CRWMS/M&O

Non-Q Design Analysis Cover Sheet

Complete only applicable items.

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1. Purpose

This analysis is prepared by the Mined Geologic Disposal System (MGDS) Waste Package Development Department (WPDD) to estimate the dose rate on and near the surface a Multi-Purpose Canister (MPC) PWR waste package (WP) which is loaded with Westinghouse 17x17 mixed oxide (MOX) PWR fuel (Ref. 5.1, 5.2). The 21 PWR MPC WP is used to provide an upper bound for waste package designs since the 12 PWR MPC WP will have a smaller source term and an equivalent amount of shielding. The objectives of this evaluation are to calculate the requested dose rate(s) and document the calculation in a fashion to allow comparisons to other waste forms and WP designs at a future time.

2. Quality Assurance

The QA Program does not apply to this analysis. The work reported in this document is part of the Plutonium Disposition support effort being conducted under the purview of Special Studies within the MGDS M&O Systems Engineering office. The work performed for this analysis is covered by a QAP-2-0 analysis, titled "Studies Not Supported by the Office of Civilian Radioactive Waste Management", generated by the Waste Package Development Group (Ref. 5.3). The QAP-2-0 evaluation determined such activities not to be subject to *Quality Assurance Requirements and Description* (QARD) (Ref. 5.4) requirements.

3. Method

The dose rate near the disposal package is determined using the discrete ordinates neutron transport technique implemented in the ANISN (Ref. 5.5) computer program. The combined gamma radiation, neutron, and total dose rate values versus distance from the surface of the WP are listed in the activity calculation summary of the ANISN output and is reported in this document.

4. Design Inputs

4.1 Design Parameters

The fuel assembly upon which this calculation is based is the Westinghouse 17x17 fuel assembly. The mechanical parameters for this assembly type are shown in the Table 4.1-1.

The Westinghouse 17x17 MOX fuel compositions and source terms after 3 cycles of operation were provided by Oak Ridge National Laboratory (ORNL) (Ref. 5.8) (Attachment I). Since the design basis shielding requirements are to be for 10 year cooled SNF, the data supplied in Attachment I for the 10 year decay time is the only data point analyzed in this analysis.

Material compositions, other than that for the fuel region, are taken from References 5.15 (SS316L, Alloy 825, A516, and air) and 5.18 (lead and borated polyethylene) which provide qualified/reviewed references for material compositions. The compositions used are included in the GIP (Ref. 5.11) cross section generation code input (Attachment VI, VII, and VIII) and output (Attachment IX).

The modeling information for the MPC waste package design were taken from previously documented analyses (Ref. 5.1 and 5.2). The modeling information used for the 21 PWR assembly MPC is based on that reported in the Volume II.A of the MPC Conceptual Design report (Ref. 5.14).

Table 4.1-1 Mechanical Parameters of Westinghouse 17x17 Fuel Assembly

Parameter	Value	Units	Metric	Units	Radius (cm)	Ref
Fuel rods	264	/assbly	264	/assbly		5.6
Fuel rods on a lattice side	17	/side	17	/side		5.6
Guide tubes	24	/assbly	24	/assbly		5.6
Instrumentation tubes	1	/assbly	1	/assbly		5.6
Total Guide + Instrument tubes	25	/assbly	25	/assbly		-
Clad/tube material	ZIRC-4		ZIRC-4			5.7
Fuel pellet OD	0.3225	inches	0.81915	cm	0.409575	5.6
Fuel Stack height	144	inches	365.8	cm		5.6
Mass of U	1023	lb	464	kgm		5.7
Percent of Theoretical Density	94.85	%	94.85	%		5.6
Fuel clad OD	0.374	inches	0.94966	cm	0.47483	5.6
Clad thickness*	0.0225	inches	0.0570	cm		-
Fuel clad ID	0.329	inches	0.83566	cm	0.41783	5.6
Fuel rod pitch	0.496	inches	1.25984	cm		5.6
Guide tube OD	0.482	inches	1.22428	cm	0.61214	5.6
Guide tube thickness*	0.016	inches	0.04064	cm		-
Guide tube ID	0.45	inches	1.1430	cm	0.5715	5.6
Burnable Poison Rod (BPR) OD	0.336	inches	0.85344	cm	0.42672	5.6
BPR Clad ID	0.344	inches	0.87376	cm	0.43688	5.6
BPR Clad OD	0.381	inches	0.96774	cm	0.48387	5.6
Fuel Assembly Width	8.44	inches	21.4376	cm		5.7
Fuel assembly height	160.1	inches	406.654	cm		5.7

* The thicknesses above are calculated by subtracting the ID from the OD and dividing by 2.

4.2 Criteria

This design analysis provides the repository criticality control design criteria for MPCs, based upon criteria from requirement documents. The criteria cited in the EBD-RD (Ref. 5.9) that have bearing on this analysis include: 3.2.2.1.A, 3.2.2.1.B, 3.2.2.1.C, 3.2.2.1.D on page 3-14, 3.2.3.3.A.5 on page 3-20, and 3.2.3.3.B.3 on page 3-24. All page references are for the EBD-RD (Ref. 5.9).

4.3 Assumptions

All assumptions identified in this section will require verification (or superseding assumptions) as the waste package design proceeds and should be treated as TBV items for preliminary design.

4.3.1 No shielding credit is taken for the MPC internal structure or MOX SNF fission products. This means that only the SNF pellets, cladding, and air is modeled inside the inner radius of the MPC shell. The fuel pellets are modeled with only the U, Pu, Np, Am, and O in the fuel pellets. This assumption is conservative for calculating dose rates since the material which is not modeled will attenuate the gamma radiation and neutrons in the MPC internal region. Thus, these materials will reduce the radiation external to the WP. This assumption is based upon engineering judgement. This assumption is used throughout Section 7.

4.3.2 The waste package models for the MPC packages were taken from previous documented analyses (Ref. 5.1 and 5.2) and are assumed to be applicable to this analysis. This assumption is used throughout Section 7.

4.3.3 The design of the 21 and 12 PWR MPC is based on that reported in the Volume II.A of the MPC Conceptual Design report (Ref. 5.14). This assumption is used throughout Section 7.

4.3.4 The material compositions, other than fuel, are taken from References 5.15 and 5.18 (See Section 4.1 for list of materials) and are assumed to be representative of the material in the referenced MPC design and the reference WP shielding materials. References 5.15 and 5.18 provide qualified/reviewed references for material compositions. This assumption is used throughout Section 7.

4.3.5 The multiplication factor for the dry WP of 0.35 is assumed to be representative and slightly conservative for the determination of the neutron source term (Attachment IV and V). This assumption is based upon the criticality calculations of reference 5.12. This assumption is used throughout Section 7.

4.3.6 The SNF assemblies will be homogenized over a cylindrical region defined by the inside diameter of the MPC and the active fuel length of the SNF. This was done to preserve the MPC WP dimensions and, combined with assumption 4.3.1, will be a conservative representation. This assumption is used throughout Section 7.

4.4 Codes and Standards

The specific codes and standards used, along with identification of all other sources used are listed in Section 5 and referenced in the calculations where used.

5. References

5.1 Davis, J. W., "12 PWR Assembly MPC Waste Package Criticality Analysis," DI# BBABA0000-01717-0200-00001 Rev 00, CRWMS M&O.

5.2 Davis, J. W., "21 PWR Assembly MPC Waste Package Criticality Analysis," DI# BBABA0000-01717-0200-00004 Rev 00, CRWMS M&O.

5.3 "Studies Not Supported by the Office of Civilian Radioactive Waste Management," Document Identifier (DI) Number: BB0000000-01717-2200-00035 REV 01, CRWMS M&O .

5.4 *Quality Assurance Requirements and Description* (QARD), DOE/RW-0333P Rev 5.

5.5 "ANISN, Multigroup One-Dimensional Discrete Ordinates Transport Code System with Anisotropic Scattering," RSIC Computer Code Collection, CCC-514, Oak Ridge National Laboratory, April, 1987.

5.6 Bowman, S. M., et al., "Scale-4 Analysis of Pressurized Water Reactor Critical Configurations: Volume 2 - Sequoyah Unit 2 Cycle 3," ORNL, ORNL/TM-12294/V2, page 18, March, 1995.

5.7 *Characteristics of Potential Repository Wastes*, DOE/RW-0184-R1, Volume 1, OCRWM, US Department of Energy, page 2A-30, July, 1992.

5.8 Primm, R. T.,III, E-mail Transmission of Summarized ORIGEN Output for Westinghouse MOX SNF, ORNL, June 27, 1996.

5.9 *Yucca Mountain Site Characterization Project Engineered Barrier Design Requirements Document*, YMP/CM-0024, Rev 0, ICN 1.

5.10 "BUGLE-93, Coupled 47 Neutron, 20 Gamma-Ray Group Cross Section Library Derived from ENDF/B-VI for LWR Shielding and Pressure Vessel Dosimetry Applications," RSIC Computer Code Collection, DLC-175, Oak Ridge National Laboratory, May, 1984.

5.11 "GIP, Code System for Preparation of Group-Organized Cross-Section Libraries," RSIC Computer Code Collection, CCC-217, Oak Ridge National Laboratory, April, 1978.

5.12 Davis, J. W., "Westinghouse 17x17 MOX Assembly - Waste Package Criticality Analysis," DI# A00000000-01717-0200-00031 Rev 00, CRWMS M&O.

5.13 *Mined Geologic Disposal System Advanced Conceptual Design Report, Volume III of IV, Engineered Barrier Segment/Waste Package*, DI#: B00000000-01717-5705-00027 REV 00, CRWMS M&O, pages 6.5-249, 6.5-145, March 1996.

5.14 *Multi-Purpose Canister (MPC) Implementation Program Conceptual Design Phase Report, Volume II A - MPC Conceptual Design Report*, DI# A20000000-00811-5705-00002 REV00, CRWMS M&O, Pages II.A.3-35, II.A.4-56, Figures 4.2.2.1-1, -2, -3, -4, September 1994.

5.15 Thomas, D. A., "Material Compositions and Number Densities for Neutronic Calculations," DI# BBA000000-01717-0200-00002 Rev 00, CRWMS M&O.

5.16 Jacks, G. M., "General Shielding Calculation Constar", Framatome Technologies Incorporated Document Number: 86-1200977-00, February, 1992.

5.17 Snidow, N. L., "Davis-Besse Cavity Dosimetry Exp.-GIP", Framatome Technologies Incorporated Document Number: 32-1203944-00, September, 1992.

5.18 Skulina, D. J., "125 Ton MPC Waste Package Shielding Analysis / 2-D DORT", DI# BBABB0000-01717-0200-00005 Rev 00, CRWMS M&O.

6. Use of Computer Software

6.1 Scientific and Engineering Software

ANISNBW Version 4.4HP. Hewlett Packard/Apollo 9000, Series 735 Workstations.

ANISN (Ref. 5.5) is an appropriate tool to be utilized to determine the radiation transport of gamma radiation and neutrons to determine dose rates near a WP. This software has **not** been validated; but was used within the range of the RSIC test data, the analyst's experience with the code, and was obtained from RSIC in accordance with appropriate procedures. The associated cross section set used is BUGLE-93 (Ref. 5.10) and is appropriate for the type of shielding analysis presented in this document.

GIP Version 1.5HP. Hewlett Packard/Apollo 9000, Series 735 Workstations.

GIP (Ref. 5.11) Version 1.5HP for Hewlett Packard/Apollo 9000, Series 735 Workstations was used to create a cross section library specific to the material for each region in the ANISN model (Attachment X). The GIP input description includes: 1) a summary of the material mixing table construction (Attachment VII), the complete GIP input deck (Attachment VIII), and the BUGLE-93 cross section library (Ref. 5.10). GIP is an appropriate tool to be utilized to process cross sections for use with the ANISN code. This software has **not** been validated; but was used within the range of the RSIC test data, the analyst's experience with the code, and was obtained from RSIC in accordance with appropriate procedures.

6.2 Computational Support Software

MATHCAD Version 5.0plus for Windows was used to calculate the normalization factors (Attachments II and IV) and the homogenized material number (atom) densities (Attachment VI). All equations, data, and calculations are easily checked by hand with the data in the attachments.

Microsoft's EXCEL Version 5.0 for Windows was used to rescale the radiation source terms from the energy scale in Attachment I to the energy scale of the BUGLE-93 cross section library. The gamma radiation source term was rescaled using the process documented in the CONVERT Version 1.0 for MS-DOS documentation (Ref. 5.16) and is provided in Attachment III. This calculation is easily checked by hand with the data in the attachment. The total neutron radiation source term was rescaled using the process documented in the CONVERT 1.0 for MS-DOS documentation (Ref. 5.16) for the ORIGENS energy groups 2 through 27. However, the spontaneous fission neutron radiation source term for the group 1 ORIGENS energy group was rescaled using the process documented in the NEUTRSR Version 1.0 for MS-DOS documentation (Ref. 5.16) in order to avoid developing an excessively conservative neutron radiation source term. This calculation is provided in Attachment V and is easily checked by hand with the data in the attachment.

7. Design Analysis

To better define the pre- and postclosure shielding issues the dose rate at the surface and for distances up to, and possible further, 10 meters from the WP surface need to be defined. The calculated dose rate data provides the information from which shielding requirements, operational limits, and the operational handling procedure issues can be identified. Radiation shielding can then be efficiently designed to provide optimal shielding protection for a reasonable cost once the operational handling concepts are defined and the shielding methods are selected. This analysis is performed for the Preclosure/Operations Phase to provide an initial estimate of the dose rate at the surface and near the surface of a 21 PWR MPC WP which is loaded with a Westinghouse 17x17 PWR MOX SNF waste form which has been cooled for a time period of 10 years.

7.1 Background

One of the options for disposing of weapons plutonium inventories is to burn it in existing commercial nuclear reactors in the form of MOX fuel. The composition of this fuel at discharge is substantially different from standard commercial fuel and; therefore, must be analyzed for comparison with the design basis fuel.

7.2 Design Details and Evaluation

The 21 PWR fuel assembly basket (Ref. 5.14) is formed by 21 tubes stacked in a regular array on a nominal 25.436-cm (10.014-inch) center-to-center spacing. The fuel cell opening provided is 22.352 cm (8.8 inches). The fuel cell tubes are formed from 0.635-cm (0.25-inch) thick Al-B plates sandwiched between a 0.635-cm (0.25-inch) thick stainless steel inner wall, and a 0.238-cm (0.094-inch) thick stainless steel outer wrapper. However, no shielding credit will be taken for any of the MPC basket material or other inner structures. This will reduce the self shielding of the source term region and; therefore, the ANISN model will be conservative.

The inner and outer radius of the MPC stainless steel 316 shell is 74.04 cm and 76.58 cm respectively. The source term region is to be homogenized from the center line (radius of 0.0 cm) to the inner radius of the MPC shell. A 1.5 cm air gap between the outer surface of the MPC shell and the inner surface of the Alloy 825 inner barrier of the WP allows the MPC to be placed or slid into the WP. This air gap is to be modeled in the ANISN code. The inner barrier of the WP is 2 cm thick. The A516 carbon steel outer barrier of the WP is 10 cm thick. A region of air is to be modeled from the surface of the WP to a distance of 10 meters in order to determine the dose rate at various locations.

7.3 Modeling and Input

7.3.1 ANISN Model

The ANISN model is a R-theta one dimensional representation of the 21 MPC WP internals (source region), the MPC shell, air gap, WP inner barrier, WP outer barrier, and a 10 meter region of air around the WP. The ANISN calculation uses a discrete ordinates solution method and this analysis will have an order of scatter of 3 (i.e., P3) and use a angular quadrature of 8 (i.e., S8). The BUGLE-93 cross section library is used along with the GIP code to create the required problem specific macroscopic cross sections to perform the calculation.

ANISN performs a distributed fix-source solution type and then determines the dose rate at each mesh interval by performing an ACTIVITY calculation. The gamma radiation dose rate is activity 1, the neutron dose rate is activity 2, and the total dose rate is activity 3. The conversion factors used are those developed by Framatome Technologies Incorporated and are documented in reference 5.17. The ANISN input file is provided as Attachment X.

7.3.2 Number Density Calculations

The grams/assembly compositions for the MOX fuel pellet provided by ORNL (Ref. 5.8, Attachment I) for a 3 cycle burnup were used to calculate the number density of each isotope included in the source region of the 21 PWR MPC WP (See Assumption 4.3.1) using a MATHCAD V5.0plus (Attachment VI) at a cooling time of 10 years. The equation for number density is shown below (Ref. 5.12).

$$N = \rho N_A / M$$

where ρ is the physical density in gm/cm^3,
N_A is Avagadro's Number: 0.602252E+24 atoms/mole,
M is the gram atomic weight.

The units of the resulting number density is in atoms/cm^3. The required units for subsequent use are atoms/b-cm where 1 barn equals 10^{-24} cm^2. The calculations in the MATHCAD file drop the E+24 from Avagadro's number to account for the conversion. Attachment VI also includes normalizing each number density to the interior volume of the MPC (See Assumption 4.3.6). The MATHCAD file is included as Attachment VI.

7.3.2 Gamma Source Generation

The gamma source term is provided in Attachment I on page 32 for a single 17x17 MOX fuel assembly with a decay time of 10 years. The gamma source data for a cooling period of 10 years was then normalized to represent 21 PWR assemblies in the volume of the MPC internal region and scaled to 20 gamma energy groups from the standard 18 energy groups used in the ORIGENS master library. The gamma source rescaling method is documented in reference 5.16 and Section 6.2. The calculation is documented in Attachments II and III.

7.3.3 Neutron Source Generation

The neutron source term is provided in Attachment I on pages 27 and 28 for a single 17x17 MOX fuel assembly with a decay time of 10 years. The individual isotope contributions are provided in Attachment I on pages 24 through 26. The neutron source data for a cooling period of 10 years was then normalized to represent 21 PWR assemblies in the volume of the MPC internal region, adjusted to account for fission neutrons, and scaled to 47 neutron energy groups from the standard energy group structure used in ORIGENS. The subcritical eigenvalue used is 0.35, which is slightly conservative based upon the value from page 17 of reference 5.12. The neutron source rescaling method is documented in reference 5.16 and Section 6.2. The calculation is documented in Attachments IV and V. (Note that the only contributer to the group 1 source term is spontaneous fission and the Cm244 spectrum is used for this group as noted in Section 6.2).

7.4 ANISN Calculation

The shielding calculation was run for a WP in air, as the WP would be handled in the surface facility, on the WP transporter, or positioned in the emplacement drift. The dose rate for gamma radiation, neutron, and total for the surface of the WP and at 2 meters from the WP surface is provided in Table 7.4-1 based upon the data from Attachment XI:

Table 7.4-1. Unshielded Dose Rates for 10 Year Cooled Westinghouse 17x17 PWR MOX SNF Waste Form in a 21 PWR MPC WP

Radiation Source Type	Dose Rate at Surface (rem/hr)	Dose Rate 2 m from Surface (rem/hr)
Gamma	31.11	8.55
Neutron	5.71	1.44
Total	36.82	9.99

For comparison, reference 5.18 presents results for the MGDS design basis commercial PWR SNF (4.20wt% initial U-235, 48.086 GWd/MTU, cooled 10 years) loaded into the 21 PWR MPC WP. The total dose rate for the commercial PWR SNF at the WP surface and at 2 meters from the WP surface is listed in Table 7.4-2 based upon the data provided in reference 5.18.

Table 7.4-2. Unshielded Dose Rates for 10 Year Cooled Commercial PWR SNF Waste Form in a 21 PWR MPC WP

Radiation Source Type	Dose Rate at Surface (rem/hr)	Dose Rate 2 m from Surface (rem/hr)
Gamma	5.15	1.77
Neutron	1.38	0.20
Total	6.53	1.97

This indicates that the Westinghouse 17x17 MOX SNF will have significantly greater shielding requirements then the MGDS basis commercial PWR SNF. The repository transporter design which is reported in reference 5.13 and 5.18 for commercial PWR SNF is a composite shield composed of a liner of 0.5cm stainless steel 316 on the exposed surfaces of the shield, an inner gamma shield of 5.5cm lead, an neutron shield of 9.0cm of 5% borated polyethylene, and an outer gamma shield of

1.0cm lead. This transporter shielding design reduces the commercial PWR MPC WP doses, as reported in reference 5.18, to those listed in Table 7.4-3. The design goal for the shield is to reduce the dose rate to 10 mrem/hr or less at 2 meters from the outer surface of the shielding.

Table 7.4-3. Shielded Dose Rates (1.0cm SS316, 6.5cm Pb, and 9.0cm Borated Poly.) for 10 Year Cooled Commercial PWR SNF Waste Form in a 21 PWR MPC WP

Radiation Source Type	Dose Rate at Surface (mrem/hr)	Dose Rate 2 m from Surface (mrem/hr)
Gamma	9.12	5.22
Neutron	19.09	4.41
Total	28.22	9.62

Clearly, given the data provided in Tables 7.4-1 and 7.4-2 additional shielding will be required for the PWR MOX SNF in order to meet the goal of 10 mrem/hr at 2 meters from the outer surface of the shielding. The ANISN input provided in Attachment X was modified to include the same transporter shield design as was documented in references 5.13 and 5.18. Additional thickness was added to the lead and borated polyethylene in order to bring the PWR MOX SNF dose rates down to the desired 10 mrem/hr goal. This calculation is provided in Attachment XII and resulted in a transporter shielding composition of a liner of 0.5cm stainless steel 316 on the exposed surfaces of the shield, an inner gamma shield of 7.75cm lead, an neutron shield of 15.25cm of 5% borated polyethylene, and an outer gamma shield of 1.0cm lead. This modified transporter shield provides a reduction in dose rates as summarized in Table 7.4-4 from the data provided in Attachment XII.

Table 7.4-4. Shielded Dose Rates (1.0cm SS316, 8.75cm Pb, and 15.25cm Borated Poly.) for 10 Year Cooled PWR MOX SNF Waste Form in a 21 PWR MPC WP

Radiation Source Type	Dose Rate at Surface (mrem/hr)	Dose Rate 2 m from Surface (mrem/hr)
Gamma	12.10	4.68
Neutron	14.57	5.21
Total	26.67	9.89

Thus, the an incremental increase of 2.25 cm of lead and 6.25 cm of borated polyethylene over the shielding design for commercial PWR SNF is required to accommodate the PWR MOX SNF.

8. Conclusions

The dose rates for Westinghouse 17x17 PWR MOX spent nuclear fuel in a 21 MPC WP was calculated for both unshielded and shielded configurations as documented in Section 7.4. The dose rates are provided in Tables 8.0-1 and 8.0-2. The goal of the shielding is to reduce the total dose rate at 2 meters from the outer surface of the shield to 10 mrem/hr or less. The required shielding is a transporter shielding composition of a liner of 0.5cm stainless steel 316 on the exposed surfaces of the shield, an inner gamma shield of 7.75cm lead, an neutron shield of 15.25cm of 5% borated polyethylene, and an outer gamma shield of 1.0cm lead. This shield requirement represents an incremental increase of 2.25 cm of lead and 6.25 cm of borated polyethylene over the shielding design for commercial PWR SNF to accommodate the PWR MOX SNF.

Table 8.0-1. Unshielded Dose Rates for 10 Year Cooled Westinghouse 17x17 PWR MOX SNF Waste Form in a 21 PWR MPC WP

Radiation Source Type	Dose Rate at Surface (rem/hr)	Dose Rate 2 m from Surface (rem/hr)
Gamma	31.11	8.55
Neutron	5.71	1.44
Total	36.82	9.99

Table 8.0-2. Shielded Dose Rates (1.0cm SS316, 8.75cm Pb, and 15.25cm Borated Poly.) for 10 Year Cooled PWR MOX SNF Waste Form in a 21 PWR MPC WP

Radiation Source Type	Dose Rate at Surface (mrem/hr)	Dose Rate 2 m from Surface (mrem/hr)
Gamma	12.10	4.68
Neutron	14.57	5.21
Total	26.67	9.89

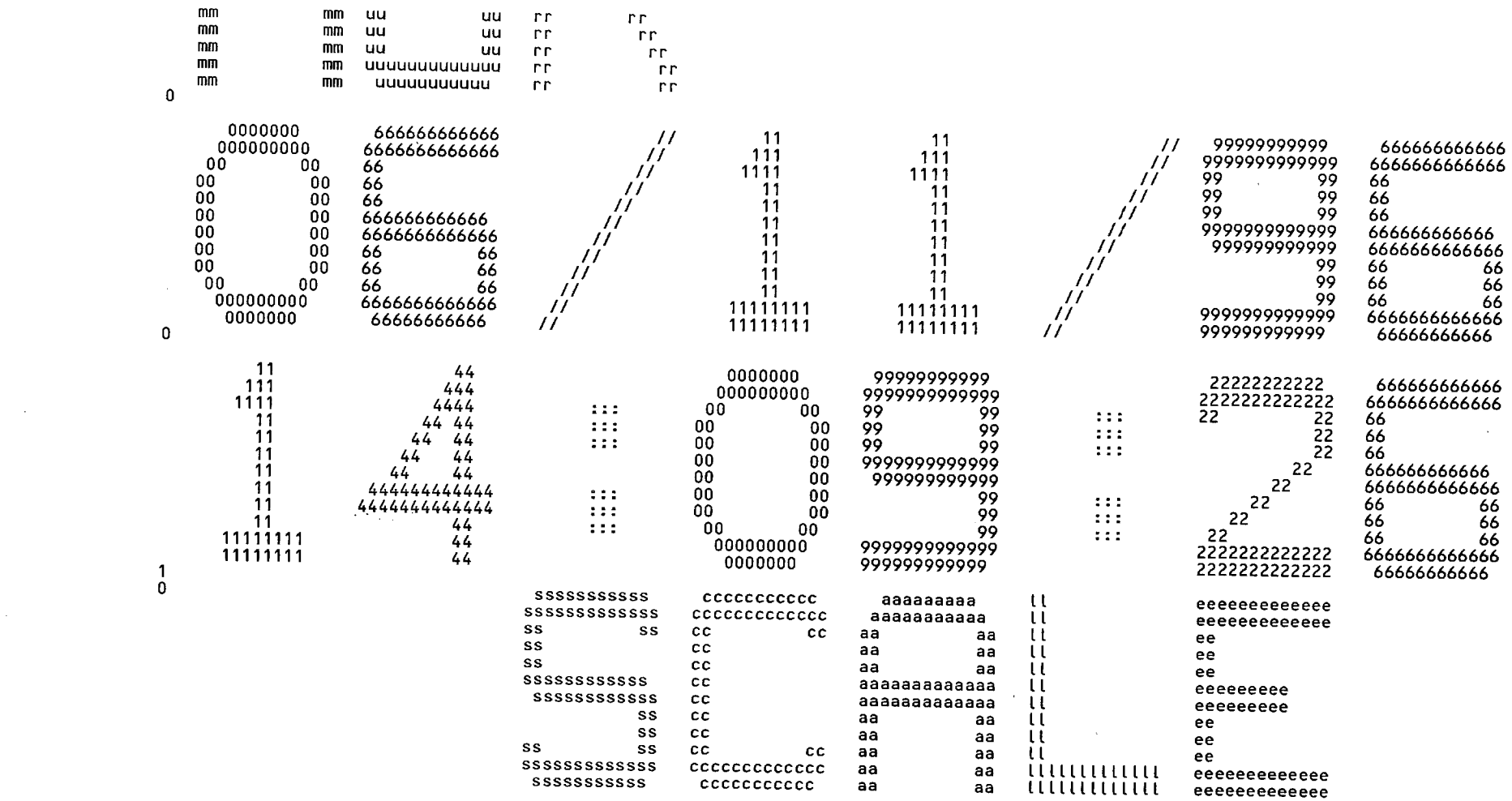
9. Attachments

The following attachments are case output files as listed. The name of the file is listed in parenthesis.

I. E-mail Transmission of Summarized ORIGENS Output for Westinghouse 17x17 MOX SNF from ORNL, 33 pages, 7/10/96 (prim.6)
II. MATHCAD file for gamma source term normalization factor, 1 page, 9/27/96 (convnfa.mcd)
III. EXCEL file for gamma source term input, 1 page, 9/27/96 (gamsor.xls)
IV. MATHCAD file for neutron source normalization factor, 1 page, 9/27/96 (neutnfa.mcd)
V. EXCEL file for neutron source term input, 1 page, 10/1/96 (neutsor.xls)
VI. MATHCAD file to create source region material number densities for GIP mixing table input, 5 pages, 10/1/96 (gipnd.mcd)
VII. GIP mixing table input summary table (no calculations), 1 page, 10/2/96 (w17gipa.xls)
VIII. GIP input file, 3 pages, 10/2/96 (gip5r1.inp)
IX. GIP output file, 194 pages, 10/2/96 (gip5r1.out)
X. ANISN input file, 4 pages, 10/2/96 (w17mox5r1.inp)
XI. ANISN output file, 127 pages, 10/2/96 (w17mox5r1.out)
XII. ANISN output file, 200 pages, 10/3/96 (w17moxshd.out)

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0*********************************************************************************
 *                                                                               *
 *                    SCALE4.3  Bulletin  Board                                  *
 *                    --------  --------  -----                                  *
 *                                                                               *
 *      Welcome to the production version of SCALE-4.3p.  This version was       *
 *      last updated on 10/04/95.                                                *
 *                                                                               *
 *********************************************************************************
1          primary module access and input record ( scale driver - 95/03/29 - 09:06:37 )
-    module origens  will be called
       0$$ a11 71 e
       1$$ 1 1t
        decay cases for westinghouse pu burner (3 cycles)
       3$$ 21 0 1 a33 -88 2t
       35$$ 0 t
       54$$ a8 1 e
       56$$ 0 8 a6 1 a13 -1 4 3 a17 2 e
       5t
         decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
         one assembly
       60** 1 3 10 30 100 365.25 1826.25 3652.5
       61** 0.05 0.0001 0.0001 4r0.01
       65$$ a4 1 2z 1 2z 1 a16 1 2z 1 a25 1 2z 1 2z 1 a37 1 2z 1
        a46 1 2z 1 2z 1 a58 1 2z 1 e
       81$$ 2 0 26 1 e
       82$$ f2
       6t
         decay step pwr plutonium burner
         decay step pwr plutonium burner
         decay step pwr plutonium burner
         decay step pwr plutonium burner
         decay step pwr plutonium burner
         decay step pwr plutonium burner
         decay step pwr plutonium burner
         decay step pwr plutonium burner
       56$$ 0 -8 a10 1 e t
       56$$ f0 t
0   module origens  is finished. completion code      0. cpu time used     4.00 (seconds).
1    ooooooooooo     rrrrrrrrrrrr     iiiiiiiiiiii      ggggggggggg     eeeeeeeeeeeee    nn          nn   sssssssssss
   ooooooooooooo    rrrrrrrrrrrrr    iiiiiiiiiiii     gggggggggggggg   eeeeeeeeeeeee    nnn         nn  sssssssssssss
   oo          oo   rr          rr         ii         gg          gg   ee               nnnn        nn  ss          ss
   oo          oo   rr          rr         ii         gg               ee               nn nn       nn  ss
   oo          oo   rr          rr         ii         gg               ee               nn  nn      nn  ss
   oo          oo   rrrrrrrrrrrrr          ii         gg    ggggggg    eeeeeeeee        nn   nn     nn  sssssssssss
   oo          oo   rrrrrrrrrrrr           ii         gg    ggggggg    eeeeeeeee        nn    nn    nn   sssssssssss
   oo          oo   rr        rr           ii         gg         gg    ee               nn     nn   nn             ss
   oo          oo   rr         rr          ii         gg         gg    ee               nn      nn nn             ss
   oo          oo   rr          rr         ii         gg         gg    ee               nn       nnnn  ss         ss
   ooooooooooooo    rr           rr  iiiiiiiiiiii     ggggggggggggg   eeeeeeeeeeeee    nn         nnn  sssssssssssss
    ooooooooooo     rr           rr  iiiiiiiiiiii      ggggggggggg    eeeeeeeeeeeee    nn          nn   sssssssssss
0
```

```
   mm           mm  uu          uu   rrrrrrrrrrrr
   mmm         mmm  uu          uu   rrrrrrrrrrrrr
   mmmm       mmmm  uu          uu   rr          rr
   mm mm     mm mm  uu          uu   rr          rr
   mm  mm   mm  mm  uu          uu   rr          rr
   mm   mm mm   mm  uu          uu   rrrrrrrrrrrrr
   mm    mmm    mm  uu          uu   rrrrrrrrrrrr
   mm     m     mm  uu          uu   rr
```


program verification information
code system: scale version: 4.3

```
                    ********************************************************************************
                    *****                                                                        *****
                    *****                                                                        *****
                    *****                                                                        *****
                    *****              program:  origen                                          *****
                    *****                                                                        *****
                    *****         creation date:  09/13/95                                       *****
                    *****                                                                        *****
                    *****              library:  /scale4.3p/bin                                  *****
                    *****                                                                        *****
                    *****                                                                        *****
                    *****       production code:  origens                                        *****
                    *****                                                                        *****
                    *****              version:  3.0                                             *****
                    *****                                                                        *****
                    *****              jobname:  mur                                             *****
                    *****                                                                        *****
                    *****     date of execution:  06/11/96                                       *****
                    *****                                                                        *****
                    *****     time of execution:  14:09:26                                       *****
                    *****                                                                        *****
                    *****                                                                        *****
                    ********************************************************************************
                    ********************************************************************************
                    ********************************************************************************
1
1            * input echo * (with break between col. 1-72 and 73-80)
0        note:  only comments are permitted after column 72.
0--------------------only this is used as input data.--------------------
0.............................columns 1-72.............................      comment or title end
                                                                                    ..73-80.
 0$$ a11 71 e
 1$$ 1 1t
  decay cases for westinghouse pu burner (3 cycles)
 3$$ 21 0 1 a33 -88 2t
 35$$ 0 t
 54$$ a8 1 e
 56$$ 0 8 a6 1 a13 -1 4 3 a17 2 e
 5t
   decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
   one assembly
 60** 1 3 10 30 100 365.25 1826.25 3652.5
 61** 0.05 0.0001 0.0001 4r0.01
 65$$ a4 1 2z 1 2z 1 a16 1 2z 1 a25 1 2z 1 2z 1 a37 1 2z 1
  a46 1 2z 1 2z 1 a58 1 2z 1 e
 81$$ 2 0 26 1 e
 82$$ f2
 6t
   decay step pwr plutonium burner
   decay step pwr plutonium burner
   decay step pwr plutonium burner
   decay step pwr plutonium burner
   decay step pwr plutonium burner
   decay step pwr plutonium burner
   decay step pwr plutonium burner
   decay step pwr plutonium burner
 56$$ 0 -8 a10 1 e t
 56$$ f0 t
0when job "fails", make sure no fido input.....................................................is out here!

0    0$ array     12 entries read
```

```
0    1$ array      1 entries read
0    1t
0         dbl. prec. machine word applied has, at least, a 16 significant figure accuracy.
0             short-lived split test fraction, qxn =    9.1188E-04
0             half-norm of matrix used, axn =    7.0000E+00
0             4-place-accuracy-retention ratio, ratio4 =    6.4516E-13
0    3$ array     33 entries read
0    2t
1library information...

          cross-section data taken from position number  1 of library on unit 21.

          pass   1
          pass   0
          *scale-system control module sas2 library*
          used a time-dependent neutron spectrum, for each of the above passes
            pass 0 applies start-up fuel densiities
            pass n applies mid time densities of nth library interval
          first library updated was...
          ********************************************************************************
          *                                                                              *
          *            prelim lwr origen-s binary working library--id = 1143             *
          *          made from modified card-image origen-s libraries of scale 4.2       *
          *       data from the light element, actinide, and fission product libraries   *
          *         decay data, including gamma and total energy, are from endf/b-vi     *
          *                                                                              *
          *       neutron flux spectrum factors and cross sections were produced from    *
          *      the "presas2" case updating all nuclides on the scale "burnup" library  *
          *                                                                              *
          *                    fission product yields are from endf/b-v                  *
          *                                                                              *
          *              photon libraries use an 18-energy-group structure               *
          *             the photon data are from the master photon data base,            *
          *              produced to include bremsstrahlung from uo2 matrix              *
          *                                                                              *
          *        see information above this box (if present) for later updates         *
          *                                                                              *
          ********************************************************************************
          *                                                                              *
0         ********************************************************************************
0                  .other identification and sizes of library.
0                   data set name:  /scale4.3p/data/prlimlwr
0                 9/19/1995    date library was produced
0                      1697    total number of nuclides in library
                        689    number of light-element nuclides
                        129    number of actinide nuclides
                        879    number of fission product nuclides
0                      7935    number of nonzero off-diagonal matrix elements
0         ********************************************************************************
0obtaining data from position no.    1 on unit no.   71
1
      decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)                                  light elements          page     1
0                                                nuclide concentrations, grams
                                                 basis =  one assembly
          charge  discharge    1.0 d     3.0 d    10.0 d    30.0 d   100.0 d   365.2 d  1826.2 d  3652.5 d
    he  4 2.41E+01  2.41E+01  2.41E+01  2.41E+01  2.41E+01  2.41E+01  2.41E+01  2.41E+01  2.41E+01  2.41E+01
    li  7 3.83E+01  3.83E+01  3.83E+01  3.83E+01  3.83E+01  3.83E+01  3.83E+01  3.83E+01  3.83E+01  3.83E+01
     c 12 5.93E+01  5.93E+01  5.93E+01  5.93E+01  5.93E+01  5.93E+01  5.93E+01  5.93E+01  5.93E+01  5.93E+01
     c 13 7.71E+00  7.71E+00  7.71E+00  7.71E+00  7.71E+00  7.71E+00  7.71E+00  7.71E+00  7.71E+00  7.71E+00
     n 14 3.37E+01  3.37E+01  3.37E+01  3.37E+01  3.37E+01  3.37E+01  3.37E+01  3.37E+01  3.37E+01  3.37E+01
```

o 16	6.20E+04	6.20E+04	6.20E+04	6.20E+04	6.20E+04	6.20E+04	6.20E+04	6.20E+04	6.20E+04	6.20E+04
o 17	2.51E+01	2.51E+01	2.51E+01	2.51E+01	2.51E+01	2.51E+01	2.51E+01	2.51E+01	2.51E+01	2.51E+01
o 18	1.43E+02	1.43E+02	1.43E+02	1.43E+02	1.43E+02	1.43E+02	1.43E+02	1.43E+02	1.43E+02	1.43E+02
al 27	4.57E+01	4.57E+01	4.57E+01	4.57E+01	4.57E+01	4.57E+01	4.57E+01	4.57E+01	4.57E+01	4.57E+01
si 28	6.05E+01	6.05E+01	6.05E+01	6.05E+01	6.05E+01	6.05E+01	6.05E+01	6.05E+01	6.05E+01	6.05E+01
si 29	3.19E+00	3.19E+00	3.19E+00	3.19E+00	3.19E+00	3.19E+00	3.19E+00	3.19E+00	3.19E+00	3.19E+00
si 30	2.20E+00	2.20E+00	2.20E+00	2.20E+00	2.20E+00	2.20E+00	2.20E+00	2.20E+00	2.20E+00	2.20E+00
p 31	1.42E+02	1.42E+02	1.42E+02	1.42E+02	1.42E+02	1.42E+02	1.42E+02	1.42E+02	1.42E+02	1.42E+02
s 32	3.83E+00	3.83E+00	3.83E+00	3.83E+00	3.83E+00	3.84E+00	3.84E+00	3.84E+00	3.84E+00	3.84E+00
ti 46	3.94E+00	3.94E+00	3.94E+00	3.94E+00	3.94E+00	3.94E+00	3.94E+00	3.94E+00	3.94E+00	3.94E+00
ti 47	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00
ti 48	3.63E+01	3.63E+01	3.63E+01	3.63E+01	3.63E+01	3.63E+01	3.63E+01	3.63E+01	3.63E+01	3.63E+01
ti 49	3.27E+00	3.27E+00	3.27E+00	3.27E+00	3.27E+00	3.27E+00	3.27E+00	3.27E+00	3.27E+00	3.27E+00
ti 50	2.73E+00	2.73E+00	2.73E+00	2.73E+00	2.73E+00	2.73E+00	2.73E+00	2.73E+00	2.73E+00	2.73E+00
v 51	5.03E+00	5.03E+00	5.04E+00	5.04E+00	5.06E+00	5.09E+00	5.13E+00	5.14E+00	5.14E+00	5.14E+00
cr 50	9.49E+01	9.49E+01	9.49E+01	9.49E+01	9.49E+01	9.49E+01	9.49E+01	9.49E+01	9.49E+01	9.49E+01
cr 52	1.95E+03	1.95E+03	1.95E+03	1.95E+03	1.95E+03	1.95E+03	1.95E+03	1.95E+03	1.95E+03	1.95E+03
cr 53	2.22E+02	2.22E+02	2.22E+02	2.22E+02	2.22E+02	2.22E+02	2.22E+02	2.22E+02	2.22E+02	2.22E+02
cr 54	6.52E+01	6.52E+01	6.52E+01	6.52E+01	6.52E+01	6.52E+01	6.53E+01	6.53E+01	6.53E+01	6.53E+01
mn 55	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.06E+02	1.06E+02
fe 54	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02
fe 55	7.55E-01	7.55E-01	7.55E-01	7.54E-01	7.50E-01	7.40E-01	7.05E-01	5.86E-01	2.12E-01	5.96E-02
fe 56	4.21E+03	4.21E+03	4.21E+03	4.21E+03	4.21E+03	4.21E+03	4.21E+03	4.21E+03	4.21E+03	4.21E+03
fe 57	1.22E+02	1.22E+02	1.22E+02	1.22E+02	1.22E+02	1.22E+02	1.22E+02	1.22E+02	1.22E+02	1.22E+02
fe 58	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.70E+01	1.71E+01	1.71E+01	1.71E+01
co 58	2.02E-01	2.02E-01	2.00E-01	1.96E-01	1.83E-01	1.51E-01	7.60E-02	5.68E-03	3.57E-09	6.31E-17
co 59	3.05E+01	3.05E+01	3.05E+01	3.05E+01	3.05E+01	3.05E+01	3.05E+01	3.05E+01	3.05E+01	3.05E+01
co 60	4.24E+00	4.24E+00	4.23E+00	4.23E+00	4.22E+00	4.19E+00	4.09E+00	3.71E+00	2.19E+00	1.14E+00
ni 58	2.94E+03	2.94E+03	2.94E+03	2.94E+03	2.94E+03	2.94E+03	2.94E+03	2.94E+03	2.94E+03	2.94E+03
ni 59	2.15E+01	2.15E+01	2.15E+01	2.15E+01	2.15E+01	2.15E+01	2.15E+01	2.15E+01	2.15E+01	2.15E+01
ni 60	1.17E+03	1.17E+03	1.17E+03	1.17E+03	1.17E+03	1.17E+03	1.17E+03	1.17E+03	1.17E+03	1.18E+03
ni 61	5.79E+01	5.79E+01	5.79E+01	5.79E+01	5.79E+01	5.79E+01	5.79E+01	5.79E+01	5.79E+01	5.79E+01
ni 62	1.63E+02	1.63E+02	1.63E+02	1.63E+02	1.63E+02	1.63E+02	1.63E+02	1.63E+02	1.63E+02	1.63E+02
ni 63	4.31E+00	4.31E+00	4.31E+00	4.31E+00	4.31E+00	4.31E+00	4.30E+00	4.28E+00	4.16E+00	4.02E+00
ni 64	4.36E+01	4.36E+01	4.36E+01	4.36E+01	4.36E+01	4.36E+01	4.36E+01	4.36E+01	4.36E+01	4.36E+01
cu 63	7.49E+00	7.49E+00	7.49E+00	7.49E+00	7.49E+00	7.49E+00	7.50E+00	7.52E+00	7.64E+00	7.78E+00
cu 65	3.59E+00	3.59E+00	3.59E+00	3.59E+00	3.59E+00	3.59E+00	3.59E+00	3.59E+00	3.59E+00	3.59E+00
sr 88	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01
zr 90	5.64E+04	5.64E+04	5.64E+04	5.64E+04	5.64E+04	5.64E+04	5.64E+04	5.64E+04	5.64E+04	5.64E+04
zr 91	1.23E+04	1.23E+04	1.23E+04	1.23E+04	1.23E+04	1.23E+04	1.23E+04	1.23E+04	1.23E+04	1.23E+04
zr 92	1.92E+04	1.92E+04	1.92E+04	1.92E+04	1.92E+04	1.92E+04	1.92E+04	1.92E+04	1.92E+04	1.92E+04
zr 93	3.49E+01	3.49E+01	3.49E+01	3.49E+01	3.49E+01	3.49E+01	3.49E+01	3.49E+01	3.49E+01	3.49E+01
zr 94	1.99E+04	1.99E+04	1.99E+04	1.99E+04	1.99E+04	1.99E+04	1.99E+04	1.99E+04	1.99E+04	1.99E+04
zr 95	1.24E+00	1.24E+00	1.22E+00	1.20E+00	1.11E+00	8.94E-01	4.19E-01	2.37E-02	3.20E-09	8.26E-18
zr 96	3.25E+03	3.25E+03	3.25E+03	3.25E+03	3.25E+03	3.25E+03	3.25E+03	3.25E+03	3.25E+03	3.25E+03
nb 93	3.23E+02	3.23E+02	3.23E+02	3.23E+02	3.23E+02	3.23E+02	3.23E+02	3.23E+02	3.23E+02	3.23E+02
nb 94	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00

1

0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) light elements page 2

nuclide concentrations, grams

basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
nb 95	6.93E-01	6.93E-01	6.92E-01	6.91E-01	6.83E-01	6.37E-01	3.95E-01	2.79E-02	3.85E-09	9.94E-18
mo 92	2.57E+01	2.57E+01	2.57E+01	2.57E+01	2.57E+01	2.57E+01	2.57E+01	2.57E+01	2.57E+01	2.57E+01
mo 94	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01
mo 95	3.76E+01	3.76E+01	3.76E+01	3.76E+01	3.77E+01	3.80E+01	3.87E+01	3.95E+01	3.95E+01	3.95E+01
mo 96	3.46E+01	3.46E+01	3.46E+01	3.46E+01	3.46E+01	3.46E+01	3.46E+01	3.46E+01	3.46E+01	3.46E+01
mo 97	4.44E+01	4.44E+01	4.44E+01	4.44E+01	4.44E+01	4.44E+01	4.44E+01	4.44E+01	4.44E+01	4.44E+01
mo 98	4.50E+01	4.50E+01	4.50E+01	4.50E+01	4.50E+01	4.50E+01	4.50E+01	4.50E+01	4.50E+01	4.50E+01
mo100	1.80E+01	1.80E+01	1.80E+01	1.80E+01	1.80E+01	1.80E+01	1.80E+01	1.80E+01	1.80E+01	1.80E+01

in113	6.98E-01	6.98E-01	6.99E-01	7.00E-01	7.05E-01	7.17E-01	7.51E-01	8.03E-01	8.16E-01	8.16E-01
sn112	1.62E+01	1.62E+01	1.62E+01	1.62E+01	1.62E+01	1.62E+01	1.62E+01	1.62E+01	1.62E+01	1.62E+01
sn114	1.17E+01	1.17E+01	1.17E+01	1.17E+01	1.17E+01	1.18E+01	1.18E+01	1.18E+01	1.18E+01	1.18E+01
sn115	6.22E+00	6.22E+00	6.22E+00	6.22E+00	6.22E+00	6.22E+00	6.22E+00	6.22E+00	6.22E+00	6.22E+00
sn116	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02	2.57E+02
sn117	1.39E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02
sn118	4.38E+02	4.38E+02	4.38E+02	4.38E+02	4.38E+02	4.38E+02	4.38E+02	4.38E+02	4.38E+02	4.38E+02
sn119	1.59E+02	1.59E+02	1.59E+02	1.59E+02	1.59E+02	1.59E+02	1.59E+02	1.59E+02	1.60E+02	1.60E+02
sn119m	1.36E+00	1.36E+00	1.36E+00	1.35E+00	1.33E+00	1.27E+00	1.07E+00	5.74E-01	1.81E-02	2.41E-04
sn120	5.94E+02	5.94E+02	5.94E+02	5.94E+02	5.94E+02	5.94E+02	5.94E+02	5.94E+02	5.94E+02	5.94E+02
sn122	8.57E+01	8.57E+01	8.57E+01	8.57E+01	8.57E+01	8.57E+01	8.57E+01	8.57E+01	8.57E+01	8.57E+01
sn124	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02
sb121	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00
sb125	6.47E-01	6.47E-01	6.46E-01	6.45E-01	6.42E-01	6.34E-01	6.04E-01	5.02E-01	1.82E-01	5.11E-02
te125	3.67E-01	3.67E-01	3.68E-01	3.69E-01	3.72E-01	3.81E-01	4.11E-01	5.13E-01	8.38E-01	9.71E-01
hf179	2.17E+00	2.17E+00	2.17E+00	2.17E+00	2.17E+00	2.17E+00	2.17E+00	2.17E+00	2.17E+00	2.17E+00
hf180	6.01E+00	6.01E+00	6.01E+00	6.01E+00	6.01E+00	6.01E+00	6.01E+00	6.01E+00	6.01E+00	6.01E+00
ta181	2.97E-01	2.97E-01	2.97E-01	2.98E-01	3.01E-01	3.09E-01	3.22E-01	3.28E-01	3.28E-01	3.28E-01
w182	3.38E-01	3.38E-01	3.38E-01	3.38E-01	3.39E-01	3.40E-01	3.44E-01	3.50E-01	3.51E-01	3.51E-01
w183	5.00E-01	5.00E-01	5.01E-01	5.01E-01	5.01E-01	5.01E-01	5.01E-01	5.01E-01	5.01E-01	5.01E-01
w184	8.63E-01	8.63E-01	8.63E-01	8.63E-01	8.63E-01	8.63E-01	8.63E-01	8.63E-01	8.63E-01	8.63E-01
w186	3.38E-01	3.38E-01	3.38E-01	3.38E-01	3.38E-01	3.38E-01	3.38E-01	3.38E-01	3.38E-01	3.38E-01
re187	2.52E-01	2.52E-01	2.52E-01	2.52E-01	2.52E-01	2.52E-01	2.52E-01	2.52E-01	2.52E-01	2.52E-01
total	1.88E+05	1.88E+05	1.88E+05	1.88E+05	1.88E+05	1.88E+05	1.88E+05	1.88E+05	1.88E+05	1.88E+05

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) light elements page 3

0 nuclide radioactivity, curies
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
h 3	1.05E+00	1.05E+00	1.05E+00	1.05E+00	1.05E+00	1.05E+00	1.04E+00	9.95E-01	7.94E-01	6.00E-01
c 14	5.53E-01	5.53E-01	5.53E-01	5.53E-01	5.53E-01	5.53E-01	5.53E-01	5.52E-01	5.52E-01	5.52E-01
na 24	3.83E+00	3.83E+00	1.23E+00	1.27E-01	4.51E-05	6.27E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
si 31	3.15E+02	3.15E+02	5.53E-01	1.71E-06	8.78E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
p 32	4.49E+02	4.49E+02	4.28E+02	3.88E+02	2.76E+02	1.05E+02	3.48E+00	8.95E-06	2.06E-07	2.02E-07
p 33	6.22E+01	6.22E+01	6.05E+01	5.73E+01	4.73E+01	2.74E+01	4.03E+00	2.84E-03	1.24E-20	0.00E+00
s 35	2.12E-01	2.12E-01	2.10E-01	2.07E-01	1.96E-01	1.67E-01	9.59E-02	1.17E-02	1.11E-07	5.77E-14
sc 46	2.87E+00	2.87E+00	2.84E+00	2.80E+00	2.64E+00	2.24E+00	1.25E+00	1.40E-01	7.90E-07	2.18E-13
sc 47	4.61E+00	4.61E+00	3.75E+00	2.48E+00	5.81E-01	9.22E-03	4.83E-09	5.42E-28	0.00E+00	0.00E+00
sc 48	4.38E-01	4.38E-01	2.99E-01	1.40E-01	9.73E-03	4.80E-06	1.28E-17	0.00E+00	0.00E+00	0.00E+00
cr 51	1.00E+04	1.00E+04	9.80E+03	9.32E+03	7.82E+03	4.74E+03	8.23E+02	1.08E+00	1.45E-16	2.09E-36
mn 54	6.84E+02	6.84E+02	6.82E+02	6.79E+02	6.69E+02	6.40E+02	5.48E+02	3.04E+02	1.18E+01	2.05E-01
mn 56	1.33E+04	1.33E+04	2.10E+01	5.22E-05	1.27E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
fe 55	1.80E+03	1.80E+03	1.80E+03	1.80E+03	1.79E+03	1.76E+03	1.68E+03	1.40E+03	5.06E+02	1.42E+02
fe 59	1.73E+02	1.73E+02	1.70E+02	1.65E+02	1.48E+02	1.08E+02	3.64E+01	5.84E-01	7.66E-11	3.39E-23
co 58	6.41E+03	6.41E+03	6.35E+03	6.23E+03	5.82E+03	4.78E+03	2.41E+03	1.81E+02	1.13E-04	2.01E-12
co 60	4.79E+03	4.79E+03	4.79E+03	4.79E+03	4.77E+03	4.74E+03	4.62E+03	4.20E+03	2.48E+03	1.29E+03
ni 59	1.74E+00	1.74E+00	1.74E+00	1.74E+00	1.74E+00	1.74E+00	1.74E+00	1.74E+00	1.74E+00	1.74E+00
ni 63	2.44E+02	2.44E+02	2.44E+02	2.44E+02	2.44E+02	2.44E+02	2.44E+02	2.43E+02	2.36E+02	2.28E+02
ni 65	4.23E+02	4.23E+02	5.75E-01	1.06E-06	9.05E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cu 64	2.84E+02	2.84E+02	7.67E+01	5.58E+00	5.82E-04	2.44E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
zn 65	2.33E-01	2.33E-01	2.32E-01	2.31E-01	2.26E-01	2.14E-01	1.75E-01	8.24E-02	1.30E-03	7.21E-06
sr 89	4.15E+01	4.15E+01	4.09E+01	3.98E+01	3.62E+01	2.75E+01	1.05E+01	2.77E-01	5.54E-10	7.40E-21
sr 91	8.05E+00	8.05E+00	1.40E+00	4.26E-02	2.07E-07	1.37E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y 90	1.53E+03	1.53E+03	1.18E+03	7.04E+02	1.14E+02	6.40E-01	2.10E-03	2.06E-03	1.87E-03	1.65E-03
y 91	1.04E+02	1.04E+02	1.03E+02	1.01E+02	9.28E+01	7.32E+01	3.19E+01	1.38E+00	4.19E-08	1.68E-17
y 92	9.10E+01	9.10E+01	8.27E-01	6.83E-05	3.50E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
zr 95	2.66E+04	2.66E+04	2.63E+04	2.57E+04	2.38E+04	1.92E+04	9.00E+03	5.09E+02	6.87E-05	1.77E-13
zr 97	4.47E+04	4.47E+04	1.67E+04	2.33E+03	2.37E+00	6.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 93m	4.40E+01	4.40E+01	4.40E+01	4.40E+01	4.39E+01	4.38E+01	4.35E+01	4.21E+01	3.55E+01	2.86E+01
nb 94	9.13E-01	9.13E-01	9.13E-01	9.13E-01	9.13E-01	9.13E-01	9.13E-01	9.13E-01	9.13E-01	9.13E-01

nb 95	2.72E+04	2.72E+04	2.72E+04	2.72E+04	2.69E+04	2.50E+04	1.55E+04	1.10E+03	1.51E-04	3.91E-13
nb 95m	3.00E+02	3.00E+02	2.99E+02	2.96E+02	2.79E+02	2.26E+02	1.06E+02	5.99E+00	8.08E-07	2.09E-15
nb 96	4.29E+01	4.29E+01	2.10E+01	5.06E+00	3.45E-02	2.24E-08	4.91E-30	0.00E+00	0.00E+00	0.00E+00
nb 97	4.47E+04	4.47E+04	1.68E+04	2.35E+03	2.39E+00	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 97m	4.24E+04	4.24E+04	1.59E+04	2.21E+03	2.25E+00	6.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
mo 99	7.97E+02	7.97E+02	6.19E+02	3.74E+02	6.40E+01	4.12E-01	8.82E-09	0.00E+00	0.00E+00	0.00E+00
cd115	6.12E-01	6.12E-01	4.48E-01	2.41E-01	2.73E-02	5.41E-05	1.89E-14	0.00E+00	0.00E+00	0.00E+00
in113m	1.18E+03	1.18E+03	1.18E+03	1.16E+03	1.12E+03	9.89E+02	6.49E+02	1.31E+02	1.98E-02	3.31E-07
in114	2.86E+02	2.86E+02	1.79E+02	1.74E+02	1.57E+02	1.19E+02	4.46E+01	1.09E+00	1.43E-09	1.13E-20
in114m	1.89E+02	1.89E+02	1.87E+02	1.81E+02	1.64E+02	1.24E+02	4.67E+01	1.14E+00	1.49E-09	1.18E-20
sn113	1.18E+03	1.18E+03	1.18E+03	1.16E+03	1.11E+03	9.88E+02	6.48E+02	1.31E+02	1.98E-02	3.31E-07
sn117m	6.49E+03	6.49E+03	6.16E+03	5.57E+03	3.90E+03	1.41E+03	3.97E+01	5.33E-05	0.00E+00	0.00E+00
sn119m	5.10E+03	5.10E+03	5.09E+03	5.07E+03	4.98E+03	4.75E+03	4.03E+03	2.15E+03	6.79E+01	9.03E-01
sn121	2.14E+03	2.14E+03	1.16E+03	3.38E+02	5.02E+00	4.55E-01	4.54E-01	4.50E-01	4.28E-01	4.02E-01
sn121m	5.87E-01	5.87E-01	5.87E-01	5.87E-01	5.87E-01	5.86E-01	5.85E-01	5.80E-01	5.51E-01	5.17E-01
sn123	1.67E+02	1.67E+02	1.66E+02	1.64E+02	1.58E+02	1.42E+02	9.74E+01	2.35E+01	9.23E-03	5.12E-07
sn125	4.05E+01	4.05E+01	3.77E+01	3.26E+01	1.97E+01	4.68E+00	3.05E-02	1.59E-10	0.00E+00	0.00E+00
sb122	4.58E+02	4.58E+02	3.54E+02	2.12E+02	3.51E+01	2.07E-01	3.25E-09	0.00E+00	0.00E+00	0.00E+00
sb124	2.12E+01	2.12E+01	2.09E+01	2.04E+01	1.89E+01	1.50E+01	6.69E+00	3.16E-01	1.56E-08	1.15E-17
sb125	6.78E+02	6.78E+02	6.77E+02	6.76E+02	6.73E+02	6.64E+02	6.33E+02	5.26E+02	1.91E+02	5.35E+01
sb126	1.42E+01	1.42E+01	1.34E+01	1.20E+01	8.11E+00	2.65E+00	5.29E-02	1.91E-08	0.00E+00	0.00E+00

1
0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) light elements page 4

nuclide radioactivity, curies
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
te123m	6.60E+00	6.60E+00	6.56E+00	6.49E+00	6.23E+00	5.55E+00	3.70E+00	7.96E-01	1.68E-04	4.29E-09
te125m	1.47E+02	1.47E+02	1.47E+02	1.47E+02	1.48E+02	1.49E+02	1.49E+02	1.28E+02	4.65E+01	1.31E+01
lu177	1.42E+00	1.42E+00	1.28E+00	1.04E+00	5.07E-01	6.49E-02	5.88E-04	1.73E-04	3.19E-07	1.22E-10
hf175	5.30E+00	5.30E+00	5.25E+00	5.15E+00	4.80E+00	3.94E+00	1.97E+00	1.43E-01	7.47E-08	1.05E-15
hf180m	1.87E+01	1.87E+01	9.10E-01	2.15E-03	1.37E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hf181	5.25E+02	5.25E+02	5.16E+02	4.99E+02	4.45E+02	3.21E+02	1.02E+02	1.34E+00	5.61E-11	6.00E-24
ta182	8.36E+01	8.36E+01	8.31E+01	8.21E+01	7.87E+01	6.98E+01	4.57E+01	9.25E+00	1.39E-03	1.74E-07
ta183	1.34E+02	1.34E+02	1.17E+02	8.88E+01	3.43E+01	2.27E+00	1.69E-04	3.84E-20	0.00E+00	0.00E+00
w181	7.23E-01	7.23E-01	7.19E-01	7.10E-01	6.83E-01	6.09E-01	4.08E-01	8.95E-02	2.10E-05	6.10E-10
w183m	1.38E+02	1.38E+02	1.17E+02	8.88E+01	3.43E+01	2.27E+00	1.69E-04	3.84E-20	0.00E+00	0.00E+00
w185	2.00E+01	2.00E+01	1.98E+01	1.95E+01	1.82E+01	1.52E+01	7.95E+00	6.87E-01	9.58E-07	4.58E-14
w187	1.98E+02	1.98E+02	9.89E+01	2.46E+01	1.88E-01	1.69E-07	1.17E-28	0.00E+00	0.00E+00	0.00E+00
w188	1.37E+00	1.37E+00	1.36E+00	1.33E+00	1.24E+00	1.02E+00	5.06E-01	3.59E-02	1.66E-08	2.02E-16
re186	1.67E+01	1.67E+01	1.39E+01	9.64E+00	2.67E+00	6.79E-02	1.79E-07	1.29E-28	0.00E+00	0.00E+00
re188	1.01E+02	1.01E+02	3.93E+01	6.69E+00	1.26E+00	1.03E+00	5.11E-01	3.62E-02	1.68E-08	2.04E-16
total	2.59E+05	2.59E+05	1.47E+05	1.01E+05	8.61E+04	7.16E+04	4.16E+04	1.11E+04	3.58E+03	1.76E+03

1
0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) light elements page 5

nuclide thermal power, watts
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
p 32	1.85E+00	1.85E+00	1.76E+00	1.60E+00	1.14E+00	4.31E-01	1.43E-02	3.69E-08	8.47E-10	8.30E-10
cr 51	2.21E+00	2.21E+00	2.16E+00	2.05E+00	1.72E+00	1.04E+00	1.81E-01	2.38E-04	3.19E-20	4.60E-40
mn 54	3.40E+00	3.40E+00	3.40E+00	3.38E+00	3.33E+00	3.19E+00	2.73E+00	1.51E+00	5.90E-02	1.02E-03
mn 56	1.99E+02	1.99E+02	3.14E-01	7.81E-07	1.91E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
fe 59	1.34E+00	1.34E+00	1.32E+00	1.28E+00	1.14E+00	8.38E-01	2.82E-01	4.52E-03	5.93E-13	2.63E-25
co 58	3.84E+01	3.84E+01	3.80E+01	3.73E+01	3.48E+01	2.86E+01	1.44E+01	1.08E+00	6.79E-07	1.20E-14
co 60	7.39E+01	7.39E+01	7.38E+01	7.38E+01	7.36E+01	7.31E+01	7.13E+01	6.48E+01	3.83E+01	1.98E+01
cu 64	5.27E-01	5.27E-01	1.42E-01	1.04E-02	1.08E-06	4.53E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sr 89	1.43E-01	1.43E-01	1.41E-01	1.38E-01	1.25E-01	9.50E-02	3.64E-02	9.59E-04	1.92E-12	2.56E-23
y 90	8.49E+00	8.49E+00	6.55E+00	3.90E+00	6.34E-01	3.54E-03	1.16E-05	1.14E-05	1.04E-05	9.16E-06
y 91	3.76E-01	3.76E-01	3.71E-01	3.63E-01	3.34E-01	2.63E-01	1.15E-01	4.96E-03	1.51E-10	6.05E-20
zr 95	1.34E+02	1.34E+02	1.33E+02	1.30E+02	1.20E+02	9.68E+01	4.54E+01	2.57E+00	3.46E-07	8.94E-16
zr 97	2.35E+02	2.35E+02	8.78E+01	1.23E+01	1.25E-02	3.51E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00

nb 95	1.31E+02	1.31E+02	1.31E+02	1.30E+02	1.29E+02	1.20E+02	7.44E+01	5.27E+00	7.25E-07	1.87E-15
nb 95m	4.24E-01	4.24E-01	4.23E-01	4.18E-01	3.94E-01	3.19E-01	1.50E-01	8.47E-03	1.14E-09	2.95E-18
nb 96	6.90E-01	6.90E-01	3.39E-01	8.15E-02	5.56E-04	3.60E-10	7.91E-32	0.00E+00	0.00E+00	0.00E+00
nb 97	3.01E+02	3.01E+02	1.13E+02	1.58E+01	1.60E-02	4.85E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 97m	1.87E+02	1.87E+02	6.98E+01	9.75E+00	9.92E-03	2.80E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
mo 99	3.19E+00	3.19E+00	2.48E+00	1.50E+00	2.56E-01	1.65E-03	3.53E-11	0.00E+00	0.00E+00	0.00E+00
in113m	2.72E+00	2.72E+00	2.70E+00	2.67E+00	2.56E+00	2.27E+00	1.49E+00	3.01E-01	4.55E-05	7.60E-10
in114	1.32E+00	1.32E+00	8.20E-01	7.98E-01	7.23E-01	5.47E-01	2.05E-01	5.01E-03	6.56E-12	5.17E-23
in114m	2.65E-01	2.65E-01	2.61E-01	2.54E-01	2.30E-01	1.74E-01	6.53E-02	1.59E-03	2.09E-12	1.65E-23
sn113	1.97E-01	1.97E-01	1.95E-01	1.93E-01	1.85E-01	1.64E-01	1.08E-01	2.18E-02	3.29E-06	5.50E-11
sn117m	1.21E+01	1.21E+01	1.15E+01	1.03E+01	7.24E+00	2.61E+00	7.37E-02	9.91E-08	0.00E+00	0.00E+00
sn119m	2.64E+00	2.64E+00	2.63E+00	2.62E+00	2.58E+00	2.46E+00	2.08E+00	1.11E+00	3.51E-02	4.68E-04
sn121	1.46E+00	1.46E+00	7.89E-01	2.31E-01	3.43E-03	3.11E-04	3.10E-04	3.07E-04	2.92E-04	2.74E-04
sn123	5.21E-01	5.21E-01	5.18E-01	5.12E-01	4.93E-01	4.43E-01	3.04E-01	7.33E-02	2.89E-05	1.60E-09
sn125	2.69E-01	2.69E-01	2.51E-01	2.17E-01	1.31E-01	3.12E-02	2.03E-04	1.06E-12	0.00E+00	0.00E+00
sb122	2.72E+00	2.72E+00	2.10E+00	1.26E+00	2.09E-01	1.23E-03	1.93E-11	0.00E+00	0.00E+00	0.00E+00
sb124	2.81E-01	2.81E-01	2.77E-01	2.71E-01	2.50E-01	1.99E-01	8.87E-02	4.18E-03	2.07E-10	1.52E-19
sb125	2.14E+00	2.14E+00	2.14E+00	2.14E+00	2.13E+00	2.10E+00	2.00E+00	1.66E+00	6.02E-01	1.69E-01
sb126	2.62E-01	2.62E-01	2.48E-01	2.22E-01	1.50E-01	4.90E-02	9.78E-04	3.54E-10	0.00E+00	0.00E+00
te125m	1.24E-01	1.24E-01	1.24E-01	1.24E-01	1.25E-01	1.26E-01	1.25E-01	1.08E-01	3.92E-02	1.10E-02
hf181	2.28E+00	2.28E+00	2.24E+00	2.17E+00	1.93E+00	1.39E+00	4.44E-01	5.79E-03	2.43E-13	2.60E-26
ta182	7.47E-01	7.47E-01	7.43E-01	7.34E-01	7.03E-01	6.24E-01	4.09E-01	8.27E-02	1.24E-05	1.56E-09
ta183	5.05E-01	5.05E-01	4.41E-01	3.36E-01	1.30E-01	8.59E-03	6.39E-07	1.45E-22	0.00E+00	0.00E+00
w183m	2.42E-01	2.42E-01	2.05E-01	1.56E-01	6.04E-02	3.99E-03	2.97E-07	6.75E-23	0.00E+00	0.00E+00
w187	8.49E-01	8.49E-01	4.23E-01	1.05E-01	8.06E-04	7.25E-10	5.01E-31	0.00E+00	0.00E+00	0.00E+00
re188	4.98E-01	4.98E-01	1.95E-01	3.32E-02	6.25E-03	5.10E-03	2.53E-03	1.79E-04	8.33E-11	1.01E-18
total	1.40E+03	1.40E+03	6.94E+02	4.49E+02	3.87E+02	3.38E+02	2.17E+02	7.87E+01	3.91E+01	2.00E+01

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0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) light elements page 6

nuclide inhalation hazard, m**3 of air at rcg

basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
p 32	2.25E+11	2.25E+11	2.14E+11	1.94E+11	1.38E+11	5.23E+10	1.74E+09	4.48E+03	1.03E+02	1.01E+02
p 33	6.22E+11	6.22E+11	6.05E+11	5.73E+11	4.73E+11	2.74E+11	4.03E+10	2.84E+07	1.24E-10	0.00E+00
cr 51	1.26E+11	1.26E+11	1.22E+11	1.16E+11	9.78E+10	5.93E+10	1.03E+10	1.35E+07	1.81E-09	2.61E-29
mn 54	6.84E+11	6.84E+11	6.82E+11	6.79E+11	6.69E+11	6.40E+11	5.48E+11	3.04E+11	1.18E+10	2.05E+08
fe 55	6.00E+10	6.00E+10	5.99E+10	5.99E+10	5.96E+10	5.87E+10	5.60E+10	4.65E+10	1.69E+10	4.74E+09
fe 59	8.64E+10	8.64E+10	8.50E+10	8.24E+10	7.39E+10	5.41E+10	1.82E+10	2.92E+08	3.83E-02	1.70E-14
co 58	3.21E+12	3.21E+12	3.18E+12	3.11E+12	2.91E+12	2.39E+12	1.21E+12	9.03E+10	5.67E+04	1.00E-03
co 60	1.60E+13	1.60E+13	1.60E+13	1.60E+13	1.59E+13	1.58E+13	1.54E+13	1.40E+13	8.27E+12	4.29E+12
ni 63	1.22E+11	1.22E+11	1.22E+11	1.22E+11	1.22E+11	1.22E+11	1.22E+11	1.21E+11	1.18E+11	1.14E+11
sr 89	1.38E+11	1.38E+11	1.36E+11	1.33E+11	1.21E+11	9.16E+10	3.51E+10	9.24E+08	1.85E+00	2.47E-11
y 90	5.11E+11	5.11E+11	3.94E+11	2.35E+11	3.82E+10	2.13E+08	7.01E+05	6.88E+05	6.24E+05	5.51E+05
y 91	1.04E+11	1.04E+11	1.03E+11	1.01E+11	9.28E+10	7.32E+10	3.19E+10	1.38E+09	4.19E+01	1.68E-08
zr 95	2.66E+13	2.66E+13	2.63E+13	2.57E+13	2.38E+13	1.92E+13	9.00E+12	5.09E+11	6.87E+04	1.77E-04
zr 97	1.49E+13	1.49E+13	5.57E+12	7.78E+11	7.91E+08	2.23E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 95	9.08E+12	9.08E+12	9.08E+12	9.06E+12	8.96E+12	8.35E+12	5.17E+12	3.66E+11	5.04E+04	1.30E-04
nb 95m	3.00E+12	3.00E+12	2.99E+12	2.96E+12	2.79E+12	2.26E+12	1.06E+12	5.99E+10	8.08E+03	2.09E-05
nb 96	4.29E+11	4.29E+11	2.10E+11	5.06E+10	3.45E+08	2.24E+02	4.91E-20	0.00E+00	0.00E+00	0.00E+00
nb 97	2.24E+11	2.24E+11	8.40E+10	1.17E+10	1.19E+07	3.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 97m	1.41E+12	1.41E+12	5.29E+11	7.38E+10	7.51E+07	2.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
mo 99	1.14E+11	1.14E+11	8.85E+10	5.34E+10	9.14E+09	5.88E+07	1.26E+00	0.00E+00	0.00E+00	0.00E+00
in114m	2.70E+11	2.70E+11	2.66E+11	2.59E+11	2.35E+11	1.78E+11	6.66E+10	1.63E+09	2.13E+00	1.68E-11
sn113	5.92E+11	5.92E+11	5.88E+11	5.81E+11	5.57E+11	4.94E+11	3.24E+11	6.56E+10	9.90E+06	1.66E+02
sn117m	6.49E+13	6.49E+13	6.16E+13	5.57E+13	3.90E+13	1.41E+13	3.97E+11	5.33E+05	0.00E+00	0.00E+00
sn119m	5.10E+13	5.10E+13	5.09E+13	5.07E+13	4.98E+13	4.75E+13	4.03E+13	2.15E+13	6.79E+11	9.03E+09
sn121	2.14E+13	2.14E+13	1.16E+13	3.38E+12	5.02E+10	4.55E+09	4.54E+09	4.50E+09	4.28E+09	4.02E+09
sn123	1.67E+12	1.67E+12	1.66E+12	1.64E+12	1.58E+12	1.42E+12	9.74E+11	2.35E+11	9.23E+07	5.12E+03
sb122	9.16E+10	9.16E+10	7.08E+10	4.24E+10	7.03E+09	4.14E+07	6.51E-01	0.00E+00	0.00E+00	0.00E+00
sb124	3.02E+10	3.02E+10	2.99E+10	2.92E+10	2.69E+10	2.14E+10	9.56E+09	4.51E+08	2.23E+01	1.64E-08

sb125	7.53E+11	7.53E+11	7.53E+11	7.52E+11	7.48E+11	7.38E+11	7.03E+11	5.85E+11	2.12E+11	5.95E+10
sb126	1.42E+11	1.42E+11	1.34E+11	1.20E+11	8.11E+10	2.65E+10	5.29E+08	1.91E+02	0.00E+00	0.00E+00
te123m	6.60E+10	6.60E+10	6.56E+10	6.49E+10	6.23E+10	5.55E+10	3.70E+10	7.96E+09	1.68E+06	4.29E+01
te125m	3.68E+10	3.68E+10	3.68E+10	3.68E+10	3.70E+10	3.73E+10	3.72E+10	3.21E+10	1.16E+10	3.27E+09
hf175	5.30E+10	5.30E+10	5.25E+10	5.15E+10	4.80E+10	3.94E+10	1.97E+10	1.43E+09	7.47E+02	1.05E-05
hf181	5.25E+11	5.25E+11	5.16E+11	4.99E+11	4.45E+11	3.21E+11	1.02E+11	1.34E+09	5.61E-02	6.00E-15
ta182	1.19E+11	1.19E+11	1.19E+11	1.17E+11	1.12E+11	9.97E+10	6.54E+10	1.32E+10	1.98E+06	2.49E+02
ta183	1.34E+12	1.34E+12	1.17E+12	8.88E+11	3.43E+11	2.27E+10	1.69E+06	3.84E-10	0.00E+00	0.00E+00
total	2.98E+15	2.98E+15	1.96E+14	1.75E+14	1.49E+14	1.15E+14	7.58E+13	3.80E+13	9.35E+12	4.50E+12

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) light elements page 7

0 nuclide ingestion hazard, m**3 of water at rcg
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
p 32	2.25E+07	2.25E+07	2.14E+07	1.94E+07	1.38E+07	5.23E+06	1.74E+05	4.48E-01	1.03E-02	1.01E-02
p 33	2.07E+07	2.07E+07	2.02E+07	1.91E+07	1.58E+07	9.12E+06	1.34E+06	9.48E+02	4.15E-15	0.00E+00
cr 51	5.02E+06	5.02E+06	4.90E+06	4.66E+06	3.91E+06	2.37E+06	4.12E+05	5.40E+02	7.24E-14	1.04E-33
mn 54	6.84E+06	6.84E+06	6.82E+06	6.79E+06	6.69E+06	6.40E+06	5.48E+06	3.04E+06	1.18E+05	2.05E+03
fe 55	2.25E+06	2.25E+06	2.25E+06	2.24E+06	2.23E+06	2.20E+06	2.10E+06	1.75E+06	6.32E+05	1.78E+05
fe 59	3.46E+06	3.46E+06	3.40E+06	3.30E+06	2.96E+06	2.17E+06	7.28E+05	1.17E+04	1.53E-06	6.78E-19
co 58	7.13E+07	7.13E+07	7.06E+07	6.92E+07	6.46E+07	5.31E+07	2.68E+07	2.01E+06	1.26E+00	2.23E-08
co 60	1.60E+08	1.60E+08	1.60E+08	1.60E+08	1.59E+08	1.58E+08	1.54E+08	1.40E+08	8.27E+07	4.29E+07
ni 63	8.15E+06	8.15E+06	8.15E+06	8.15E+06	8.15E+06	8.14E+06	8.13E+06	8.09E+06	7.87E+06	7.60E+06
sr 89	1.38E+07	1.38E+07	1.36E+07	1.33E+07	1.21E+07	9.16E+06	3.51E+06	9.24E+04	1.85E-04	2.47E-15
y 90	7.67E+07	7.67E+07	5.91E+07	3.52E+07	5.72E+06	3.20E+04	1.05E+02	1.03E+02	9.35E+01	8.27E+01
y 91	3.48E+06	3.48E+06	3.44E+06	3.36E+06	3.09E+06	2.44E+06	1.06E+06	4.60E+04	1.40E-03	5.61E-13
zr 95	4.43E+08	4.43E+08	4.38E+08	4.29E+08	3.97E+08	3.20E+08	1.50E+08	8.49E+06	1.14E+00	2.96E-09
zr 97	2.24E+09	2.24E+09	8.36E+08	1.17E+08	1.19E+05	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 95	2.72E+08	2.72E+08	2.72E+08	2.72E+08	2.69E+08	2.50E+08	1.55E+08	1.10E+07	1.51E+00	3.91E-09
nb 95m	1.00E+08	1.00E+08	9.96E+07	9.85E+07	9.29E+07	7.53E+07	3.53E+07	2.00E+06	2.69E-01	6.96E-10
nb 96	1.43E+07	1.43E+07	7.01E+06	1.69E+06	1.15E+04	7.46E-03	1.64E-24	0.00E+00	0.00E+00	0.00E+00
nb 97	4.97E+07	4.97E+07	1.87E+07	2.61E+06	2.65E+03	8.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
mo 99	1.99E+07	1.99E+07	1.55E+07	9.35E+06	1.60E+06	1.03E+04	2.21E-04	0.00E+00	0.00E+00	0.00E+00
in113m	1.18E+06	1.18E+06	1.18E+06	1.16E+06	1.12E+06	9.89E+05	6.49E+05	1.31E+05	1.98E+01	3.31E-04
in114m	9.46E+06	9.46E+06	9.33E+06	9.07E+06	8.22E+06	6.21E+06	2.33E+06	5.69E+04	7.46E-05	5.88E-16
sn113	1.48E+07	1.48E+07	1.47E+07	1.45E+07	1.39E+07	1.24E+07	8.10E+06	1.64E+06	2.48E+02	4.14E-03
sn117m	2.16E+09	2.16E+09	2.05E+09	1.86E+09	1.30E+09	4.69E+08	1.32E+07	1.78E+01	0.00E+00	0.00E+00
sn119m	1.70E+09	1.70E+09	1.70E+09	1.69E+09	1.66E+09	1.58E+09	1.34E+09	7.17E+08	2.26E+07	3.01E+05
sn121	7.12E+08	7.12E+08	3.85E+08	1.13E+08	1.67E+06	1.52E+05	1.51E+05	1.50E+05	1.43E+05	1.34E+05
sn123	5.55E+07	5.55E+07	5.52E+07	5.46E+07	5.26E+07	4.73E+07	3.25E+07	7.82E+06	3.08E+03	1.71E-01
sn125	2.02E+06	2.02E+06	1.88E+06	1.63E+06	9.86E+05	2.34E+05	1.53E+03	7.95E-06	0.00E+00	0.00E+00
sb122	1.53E+07	1.53E+07	1.18E+07	7.06E+06	1.17E+06	6.90E+03	1.08E-04	0.00E+00	0.00E+00	0.00E+00
sb124	1.06E+06	1.06E+06	1.05E+06	1.02E+06	9.43E+05	7.49E+05	3.35E+05	1.58E+04	7.80E-04	5.74E-13
sb125	6.78E+06	6.78E+06	6.77E+06	6.76E+06	6.73E+06	6.64E+06	6.33E+06	5.26E+06	1.91E+06	5.35E+05
sb126	4.73E+06	4.73E+06	4.47E+06	4.00E+06	2.70E+06	8.83E+05	1.76E+04	6.38E-03	0.00E+00	0.00E+00
te123m	2.20E+06	2.20E+06	2.19E+06	2.16E+06	2.08E+06	1.85E+06	1.23E+06	2.65E+05	5.61E+01	1.43E-03
te125m	1.47E+06	1.47E+06	1.47E+06	1.47E+06	1.48E+06	1.49E+06	1.49E+06	1.28E+06	4.65E+05	1.31E+05
hf175	1.77E+06	1.77E+06	1.75E+06	1.72E+06	1.60E+06	1.31E+06	6.57E+05	4.76E+04	2.49E-02	3.51E-10
hf181	7.49E+06	7.49E+06	7.37E+06	7.13E+06	6.36E+06	4.59E+06	1.46E+06	1.91E+04	8.01E-07	8.57E-20
ta182	2.09E+06	2.09E+06	2.08E+06	2.05E+06	1.97E+06	1.74E+06	1.14E+06	2.31E+05	3.46E+01	4.36E-03
ta183	4.45E+07	4.45E+07	3.89E+07	2.96E+07	1.14E+07	7.57E+05	5.63E+01	1.28E-14	0.00E+00	0.00E+00
w187	3.31E+06	3.31E+06	1.65E+06	4.10E+05	3.14E+03	2.82E-03	1.95E-24	0.00E+00	0.00E+00	0.00E+00
re188	3.35E+06	3.35E+06	1.31E+06	2.23E+05	4.20E+04	3.43E+04	1.70E+04	1.21E+03	5.61E-04	6.79E-12
total	1.03E+10	1.03E+10	6.36E+09	5.08E+09	4.13E+09	3.05E+09	1.96E+09	9.11E+08	1.17E+08	5.23E+07

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) actinides page 8

0 nuclide concentrations, grams
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
he 4	1.84E+00	1.84E+00	1.84E+00	1.85E+00	1.88E+00	1.94E+00	2.13E+00	2.55E+00	3.15E+00	3.71E+00

u234	5.29E+00	5.29E+00	5.29E+00	5.30E+00	5.32E+00	5.38E+00	5.60E+00	6.51E+00	1.20E+01	1.86E+01
u235	2.94E+02	2.94E+02	2.94E+02	2.94E+02	2.94E+02	2.94E+02	2.94E+02	2.95E+02	2.95E+02	2.96E+02
u236	1.17E+02	1.17E+02	1.17E+02	1.17E+02	1.17E+02	1.17E+02	1.17E+02	1.17E+02	1.19E+02	1.21E+02
u237	1.63E+00	1.63E+00	1.47E+00	1.20E+00	5.84E-01	7.50E-02	1.35E-04	7.59E-05	6.25E-05	4.91E-05
u238	4.22E+05	4.22E+05	4.22E+05	4.22E+05	4.22E+05	4.22E+05	4.22E+05	4.22E+05	4.22E+05	4.22E+05
np237	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.13E+02	1.13E+02	1.13E+02	1.14E+02	1.17E+02	1.24E+02
np239	4.56E+01	4.56E+01	3.42E+01	1.90E+01	2.42E+00	6.95E-03	2.24E-04	2.24E-04	2.24E-04	2.23E-04
pu238	1.35E+02	1.35E+02	1.36E+02	1.36E+02	1.37E+02	1.41E+02	1.51E+02	1.70E+02	1.74E+02	1.68E+02
pu239	6.49E+03	6.49E+03	6.50E+03	6.52E+03	6.54E+03	6.54E+03	6.54E+03	6.54E+03	6.54E+03	6.54E+03
pu240	3.76E+03	3.76E+03	3.76E+03	3.76E+03	3.76E+03	3.76E+03	3.76E+03	3.77E+03	3.78E+03	3.79E+03
pu241	2.63E+03	2.63E+03	2.63E+03	2.63E+03	2.62E+03	2.62E+03	2.59E+03	2.50E+03	2.06E+03	1.62E+03
pu242	8.01E+02	8.01E+02	8.01E+02	8.01E+02	8.01E+02	8.01E+02	8.01E+02	8.01E+02	8.01E+02	8.01E+02
am241	1.39E+02	1.39E+02	1.39E+02	1.40E+02	1.42E+02	1.49E+02	1.73E+02	2.62E+02	6.99E+02	1.13E+03
am242m	4.98E+00	4.98E+00	4.98E+00	4.98E+00	4.98E+00	4.97E+00	4.97E+00	4.95E+00	4.85E+00	4.74E+00
am243	2.60E+02	2.60E+02	2.60E+02	2.60E+02	2.60E+02	2.60E+02	2.60E+02	2.60E+02	2.60E+02	2.60E+02
cm242	4.59E+01	4.59E+01	4.58E+01	4.55E+01	4.42E+01	4.06E+01	3.01E+01	9.76E+00	3.22E-02	1.24E-02
cm243	2.17E+00	2.17E+00	2.17E+00	2.17E+00	2.17E+00	2.17E+00	2.16E+00	2.12E+00	1.92E+00	1.70E+00
cm244	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.11E+02	1.08E+02	9.26E+01	7.64E+01
cm245	8.46E+00	8.46E+00	8.46E+00	8.46E+00	8.46E+00	8.46E+00	8.46E+00	8.46E+00	8.46E+00	8.46E+00
cm246	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00
total	4.37E+05	4.37E+05	4.37E+05	4.37E+05	4.37E+05	4.37E+05	4.37E+05	4.37E+05	4.37E+05	4.37E+05

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0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)

nuclide radioactivity, curies actinides page 9

basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
u237	1.33E+05	1.33E+05	1.20E+05	9.79E+04	4.77E+04	6.12E+03	1.10E+01	6.20E+00	5.11E+00	4.01E+00
np238	8.25E+04	8.25E+04	5.95E+04	3.09E+04	3.12E+03	4.71E+00	2.34E-01	2.34E-01	2.29E-01	2.23E-01
np239	1.06E+07	1.06E+07	7.94E+06	4.41E+06	5.62E+05	1.61E+03	5.19E+01	5.19E+01	5.19E+01	5.19E+01
pu238	2.32E+03	2.32E+03	2.32E+03	2.33E+03	2.35E+03	2.41E+03	2.59E+03	2.91E+03	2.98E+03	2.87E+03
pu239	4.03E+02	4.03E+02	4.04E+02	4.05E+02	4.06E+02	4.06E+02	4.06E+02	4.06E+02	4.06E+02	4.06E+02
pu240	8.54E+02	8.54E+02	8.54E+02	8.54E+02	8.54E+02	8.54E+02	8.54E+02	8.55E+02	8.58E+02	8.61E+02
pu241	2.72E+05	2.72E+05	2.72E+05	2.72E+05	2.71E+05	2.71E+05	2.68E+05	2.59E+05	2.13E+05	1.68E+05
pu243	6.19E+05	6.19E+05	2.16E+04	2.62E+01	3.04E-06	3.04E-06	3.04E-06	3.04E-06	3.04E-06	3.04E-06
am241	4.77E+02	4.77E+02	4.78E+02	4.80E+02	4.89E+02	5.12E+02	5.95E+02	9.01E+02	2.40E+03	3.89E+03
am242m	5.21E+01	5.21E+01	5.21E+01	5.21E+01	5.21E+01	5.21E+01	5.21E+01	5.19E+01	5.09E+01	4.96E+01
am242	2.26E+05	2.26E+05	8.01E+04	1.01E+04	5.89E+01	5.19E+01	5.18E+01	5.17E+01	5.07E+01	4.94E+01
am243	5.19E+01	5.19E+01	5.19E+01	5.19E+01	5.19E+01	5.19E+01	5.19E+01	5.19E+01	5.19E+01	5.19E+01
am244	2.77E+05	2.77E+05	5.34E+04	1.98E+03	1.95E-02	9.63E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cm242	1.52E+05	1.52E+05	1.52E+05	1.51E+05	1.46E+05	1.34E+05	9.98E+04	3.23E+04	1.07E+02	4.09E+01
cm243	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.11E+02	1.09E+02	9.93E+01	8.79E+01
cm244	9.06E+03	9.06E+03	9.07E+03	9.07E+03	9.07E+03	9.05E+03	8.98E+03	8.74E+03	7.50E+03	6.19E+03
total	2.30E+07	2.30E+07	8.71E+06	4.99E+06	1.04E+06	4.26E+05	3.82E+05	3.05E+05	2.28E+05	1.82E+05

1

0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)

nuclide thermal power, watts actinides page 10

basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
u237	2.58E+02	2.58E+02	2.33E+02	1.90E+02	9.24E+01	1.19E+01	2.14E-02	1.20E-02	9.89E-03	7.77E-03
np238	4.11E+02	4.11E+02	2.97E+02	1.54E+02	1.56E+01	2.35E-02	1.17E-03	1.16E-03	1.14E-03	1.11E-03
np239	2.68E+04	2.68E+04	2.01E+04	1.11E+04	1.42E+03	4.08E+00	1.31E-01	1.31E-01	1.31E-01	1.31E-01
pu238	7.68E+01	7.68E+01	7.70E+01	7.72E+01	7.80E+01	8.00E+01	8.57E+01	9.66E+01	9.89E+01	9.52E+01
pu239	1.25E+01	1.25E+01	1.25E+01	1.26E+01	1.26E+01	1.26E+01	1.26E+01	1.26E+01	1.26E+01	1.26E+01
pu240	2.66E+01	2.66E+01	2.66E+01	2.66E+01	2.66E+01	2.66E+01	2.66E+01	2.66E+01	2.67E+01	2.68E+01
pu241	8.63E+00	8.63E+00	8.63E+00	8.63E+00	8.62E+00	8.60E+00	8.52E+00	8.23E+00	6.78E+00	5.33E+00
pu243	7.12E+02	7.12E+02	2.48E+01	3.01E-02	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09
am241	1.59E+01	1.59E+01	1.59E+01	1.60E+01	1.63E+01	1.71E+01	1.98E+01	3.00E+01	8.00E+01	1.30E+02
am242	2.61E+02	2.61E+02	9.23E+01	1.16E+01	6.79E-02	5.98E-02	5.97E-02	5.95E-02	5.84E-02	5.70E-02
am244	1.85E+03	1.85E+03	3.57E+02	1.33E+01	1.30E-04	6.44E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cm242	5.55E+03	5.55E+03	5.54E+03	5.50E+03	5.34E+03	4.91E+03	3.64E+03	1.18E+03	3.89E+00	1.49E+00

cm243	4.10E+00	4.10E+00	4.10E+00	4.10E+00	4.10E+00	4.10E+00	4.08E+00	4.01E+00	3.63E+00	3.22E+00
cm244	3.17E+02	3.17E+02	3.17E+02	3.17E+02	3.17E+02	3.16E+02	3.14E+02	3.06E+02	2.62E+02	2.16E+02
total	6.53E+04	6.53E+04	2.71E+04	1.75E+04	7.34E+03	5.39E+03	4.12E+03	1.67E+03	4.97E+02	4.93E+02

1

decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) actinides page 11

0 nuclide inhalation hazard, m**3 of air at rcg
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
np238	4.13E+13	4.13E+13	2.97E+13	1.54E+13	1.56E+12	2.35E+09	1.17E+08	1.17E+08	1.14E+08	1.12E+08
np239	5.29E+14	5.29E+14	3.97E+14	2.20E+14	2.81E+13	8.07E+10	2.60E+09	2.60E+09	2.59E+09	2.59E+09
pu237	8.16E+13	8.16E+13	8.04E+13	7.79E+13	7.00E+13	5.15E+13	1.76E+13	3.00E+11	5.52E+01	3.73E-11
pu238	3.31E+16	3.31E+16	3.32E+16	3.33E+16	3.36E+16	3.45E+16	3.70E+16	4.16E+16	4.26E+16	4.10E+16
pu239	6.72E+15	6.72E+15	6.73E+15	6.74E+15	6.76E+15	6.76E+15	6.76E+15	6.76E+15	6.76E+15	6.76E+15
pu240	1.42E+16	1.42E+16	1.42E+16	1.42E+16	1.42E+16	1.42E+16	1.42E+16	1.42E+16	1.43E+16	1.44E+16
pu241	9.06E+16	9.06E+16	9.06E+16	9.05E+16	9.05E+16	9.02E+16	8.94E+16	8.63E+16	7.11E+16	5.59E+16
pu242	5.28E+13	5.28E+13	5.28E+13	5.28E+13	5.28E+13	5.28E+13	5.28E+13	5.28E+13	5.28E+13	5.28E+13
am240	4.00E+13	4.00E+13	2.88E+13	1.50E+13	1.52E+12	2.20E+09	2.54E-01	0.00E+00	0.00E+00	0.00E+00
am241	2.38E+15	2.38E+15	2.39E+15	2.40E+15	2.44E+15	2.56E+15	2.97E+15	4.50E+15	1.20E+16	1.95E+16
am242m	2.61E+14	2.61E+14	2.61E+14	2.61E+14	2.61E+14	2.61E+14	2.60E+14	2.59E+14	2.54E+14	2.48E+14
am242	2.26E+14	2.26E+14	8.01E+13	1.01E+13	5.89E+10	5.19E+10	5.18E+10	5.17E+10	5.07E+10	4.94E+10
am243	2.59E+14	2.59E+14	2.60E+14	2.60E+14	2.60E+14	2.60E+14	2.60E+14	2.60E+14	2.59E+14	2.59E+14
cm242	3.80E+16	3.80E+16	3.80E+16	3.77E+16	3.66E+16	3.36E+16	2.50E+16	8.09E+15	2.67E+13	1.02E+13
cm243	5.61E+14	5.61E+14	5.61E+14	5.60E+14	5.60E+14	5.59E+14	5.57E+14	5.47E+14	4.96E+14	4.40E+14
cm244	3.02E+16	3.02E+16	3.02E+16	3.02E+16	3.02E+16	3.02E+16	2.99E+16	2.91E+16	2.50E+16	2.06E+16
total	2.17E+17	2.17E+17	2.17E+17	2.17E+17	2.16E+17	2.13E+17	2.06E+17	1.92E+17	1.73E+17	1.59E+17

1

decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) actinides page 12

0 nuclide ingestion hazard, m**3 of water at rcg
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
u237	1.33E+09	1.33E+09	1.20E+09	9.79E+08	4.77E+08	6.12E+07	1.10E+05	6.20E+04	5.11E+04	4.01E+04
np238	1.65E+09	1.65E+09	1.19E+09	6.18E+08	6.25E+07	9.41E+04	4.69E+03	4.67E+03	4.58E+03	4.47E+03
np239	1.06E+11	1.06E+11	7.94E+10	4.41E+10	5.62E+09	1.61E+07	5.19E+05	5.19E+05	5.19E+05	5.19E+05
pu237	5.44E+07	5.44E+07	5.36E+07	5.20E+07	4.67E+07	3.43E+07	1.17E+07	2.00E+05	3.68E-05	2.49E-17
pu238	4.63E+08	4.63E+08	4.64E+08	4.66E+08	4.71E+08	4.83E+08	5.17E+08	5.83E+08	5.97E+08	5.74E+08
pu239	8.06E+07	8.06E+07	8.07E+07	8.09E+07	8.11E+07	8.12E+07	8.12E+07	8.12E+07	8.12E+07	8.12E+07
pu240	1.71E+08	1.71E+08	1.71E+08	1.71E+08	1.71E+08	1.71E+08	1.71E+08	1.71E+08	1.72E+08	1.72E+08
pu241	1.36E+09	1.36E+09	1.36E+09	1.36E+09	1.36E+09	1.35E+09	1.34E+09	1.29E+09	1.07E+09	8.38E+08
pu243	2.06E+09	2.06E+09	7.19E+07	8.72E+04	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02
am240	2.66E+07	2.66E+07	1.92E+07	9.99E+06	1.01E+06	1.47E+03	1.69E-07	0.00E+00	0.00E+00	0.00E+00
am241	1.19E+08	1.19E+08	1.19E+08	1.20E+08	1.22E+08	1.28E+08	1.49E+08	2.25E+08	6.00E+08	9.73E+08
am242m	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.27E+07	1.24E+07
am242	2.26E+09	2.26E+09	8.01E+08	1.01E+08	5.89E+05	5.19E+05	5.18E+05	5.17E+05	5.07E+05	4.94E+05
am243	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07	1.30E+07
am244	5.55E+07	5.55E+07	1.07E+07	3.96E+05	3.90E+00	1.93E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cm242	7.60E+09	7.60E+09	7.59E+09	7.54E+09	7.32E+09	6.72E+09	4.99E+09	1.62E+09	5.33E+06	2.05E+06
cm243	2.24E+07	2.24E+07	2.24E+07	2.24E+07	2.24E+07	2.24E+07	2.23E+07	2.19E+07	1.99E+07	1.76E+07
cm244	1.29E+09	1.29E+09	1.30E+09	1.30E+09	1.30E+09	1.29E+09	1.28E+09	1.25E+09	1.07E+09	8.84E+08
total	1.30E+11	1.30E+11	9.39E+10	5.69E+10	1.71E+10	1.04E+10	8.60E+09	5.27E+09	3.64E+09	3.57E+09

1

decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 13

0 nuclide concentrations, grams
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
h 3	3.93E-02	3.93E-02	3.93E-02	3.93E-02	3.92E-02	3.91E-02	3.87E-02	3.72E-02	2.97E-02	2.24E-02
as 75	7.47E-02	7.47E-02	7.47E-02	7.47E-02	7.47E-02	7.47E-02	7.47E-02	7.47E-02	7.47E-02	7.47E-02
ge 76	1.84E-01	1.84E-01	1.84E-01	1.84E-01	1.84E-01	1.84E-01	1.84E-01	1.84E-01	1.84E-01	1.84E-01
se 77	4.69E-01	4.69E-01	4.69E-01	4.70E-01	4.70E-01	4.70E-01	4.70E-01	4.70E-01	4.70E-01	4.70E-01
se 78	1.96E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00
se 79	3.31E+00	3.31E+00	3.31E+00	3.31E+00	3.31E+00	3.31E+00	3.31E+00	3.31E+00	3.31E+00	3.31E+00

se 80	8.08E+00	8.08E+00	8.08E+00	8.08E+00	8.08E+00	8.08E+00	8.08E+00	8.08E+00	8.08E+00	8.08E+00
br 81	1.21E+01	1.21E+01	1.21E+01	1.21E+01	1.21E+01	1.21E+01	1.21E+01	1.21E+01	1.21E+01	1.21E+01
se 82	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01
kr 82	6.55E-01	6.55E-01	6.56E-01	6.57E-01	6.57E-01	6.57E-01	6.57E-01	6.57E-01	6.57E-01	6.57E-01
kr 83	2.02E+01	2.02E+01	2.02E+01	2.02E+01	2.02E+01	2.02E+01	2.02E+01	2.02E+01	2.02E+01	2.02E+01
kr 84	5.06E+01	5.06E+01	5.06E+01	5.06E+01	5.06E+01	5.06E+01	5.06E+01	5.06E+01	5.06E+01	5.06E+01
kr 85	9.24E+00	9.24E+00	9.24E+00	9.24E+00	9.23E+00	9.19E+00	9.08E+00	8.66E+00	6.69E+00	4.84E+00
rb 85	3.87E+01	3.87E+01	3.87E+01	3.87E+01	3.87E+01	3.87E+01	3.89E+01	3.93E+01	4.13E+01	4.31E+01
kr 86	7.17E+01	7.17E+01	7.17E+01	7.17E+01	7.17E+01	7.17E+01	7.17E+01	7.17E+01	7.17E+01	7.17E+01
sr 86	2.09E-01	2.09E-01	2.09E-01	2.10E-01	2.12E-01	2.15E-01	2.18E-01	2.18E-01	2.18E-01	2.18E-01
rb 87	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01
sr 88	1.29E+02	1.29E+02	1.29E+02	1.29E+02	1.29E+02	1.29E+02	1.29E+02	1.29E+02	1.29E+02	1.29E+02
sr 89	8.61E+00	8.61E+00	8.50E+00	8.27E+00	7.51E+00	5.71E+00	2.19E+00	5.76E-02	1.15E-10	1.54E-21
y 89	1.56E+02	1.56E+02	1.56E+02	1.56E+02	1.57E+02	1.59E+02	1.62E+02	1.64E+02	1.64E+02	1.64E+02
sr 90	1.93E+02	1.93E+02	1.93E+02	1.93E+02	1.93E+02	1.92E+02	1.91E+02	1.88E+02	1.70E+02	1.51E+02
y 90	5.17E-02	5.17E-02	5.13E-02	5.08E-02	5.02E-02	5.00E-02	4.98E-02	4.89E-02	4.43E-02	3.92E-02
zr 90	1.06E+01	1.06E+01	1.06E+01	1.06E+01	1.07E+01	1.09E+01	1.19E+01	1.52E+01	3.29E+01	5.26E+01
y 91	1.49E+01	1.49E+01	1.48E+01	1.45E+01	1.33E+01	1.05E+01	4.59E+00	1.98E-01	6.02E-09	2.42E-18
zr 91	2.29E+02	2.29E+02	2.29E+02	2.30E+02	2.31E+02	2.34E+02	2.39E+02	2.44E+02	2.44E+02	2.44E+02
zr 92	2.95E+02	2.95E+02	2.95E+02	2.95E+02	2.95E+02	2.95E+02	2.95E+02	2.95E+02	2.95E+02	2.95E+02
zr 93	2.42E+02	2.42E+02	2.43E+02	2.43E+02	2.43E+02	2.43E+02	2.43E+02	2.43E+02	2.43E+02	2.43E+02
zr 94	4.32E+02	4.32E+02	4.32E+02	4.32E+02	4.32E+02	4.32E+02	4.32E+02	4.32E+02	4.32E+02	4.32E+02
zr 95	3.16E+01	3.16E+01	3.13E+01	3.06E+01	2.84E+01	2.28E+01	1.07E+01	6.06E-01	8.17E-08	2.11E-16
nb 95	1.72E+01	1.72E+01	1.72E+01	1.72E+01	1.71E+01	1.60E+01	1.00E+01	7.14E-01	9.83E-08	2.54E-16
mo 95	3.92E+02	3.92E+02	3.93E+02	3.93E+02	3.96E+02	4.02E+02	4.20E+02	4.40E+02	4.41E+02	4.41E+02
zr 96	5.02E+02	5.02E+02	5.02E+02	5.02E+02	5.02E+02	5.02E+02	5.02E+02	5.02E+02	5.02E+02	5.02E+02
mo 96	3.20E+01	3.20E+01	3.20E+01	3.20E+01	3.20E+01	3.20E+01	3.20E+01	3.20E+01	3.20E+01	3.20E+01
zr 97	3.76E-01	3.76E-01	1.41E-01	1.96E-02	2.00E-05	5.63E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
mo 97	5.12E+02	5.12E+02	5.13E+02	5.13E+02	5.13E+02	5.13E+02	5.13E+02	5.13E+02	5.13E+02	5.13E+02
mo 98	5.84E+02	5.84E+02	5.84E+02	5.84E+02	5.84E+02	5.84E+02	5.84E+02	5.84E+02	5.84E+02	5.84E+02
mo 99	1.84E+00	1.84E+00	1.43E+00	8.65E-01	1.48E-01	9.53E-04	2.04E-11	0.00E+00	0.00E+00	0.00E+00
tc 99	5.24E+02	5.24E+02	5.25E+02	5.25E+02	5.26E+02	5.26E+02	5.26E+02	5.26E+02	5.26E+02	5.26E+02
tc 99m	1.48E-01	1.48E-01	1.26E-01	7.63E-02	1.31E-02	8.41E-05	1.80E-12	0.00E+00	0.00E+00	0.00E+00
mo100	6.91E+02	6.91E+02	6.91E+02	6.91E+02	6.91E+02	6.91E+02	6.91E+02	6.91E+02	6.91E+02	6.91E+02
ru100	1.07E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02
ru101	5.81E+02	5.81E+02	5.81E+02	5.81E+02	5.81E+02	5.81E+02	5.81E+02	5.81E+02	5.81E+02	5.81E+02
ru102	6.71E+02	6.71E+02	6.71E+02	6.71E+02	6.71E+02	6.71E+02	6.71E+02	6.71E+02	6.71E+02	6.71E+02
ru103	2.96E+01	2.96E+01	2.91E+01	2.81E+01	2.48E+01	1.75E+01	5.07E+00	4.69E-02	2.94E-13	2.92E-27
rh103	4.15E+02	4.15E+02	4.16E+02	4.17E+02	4.20E+02	4.27E+02	4.40E+02	4.45E+02	4.45E+02	4.45E+02
rh103m	2.93E-02	2.93E-02	2.89E-02	2.79E-02	2.46E-02	1.73E-02	5.03E-03	4.65E-05	2.92E-16	2.89E-30
ru104	6.34E+02	6.34E+02	6.34E+02	6.34E+02	6.34E+02	6.34E+02	6.34E+02	6.34E+02	6.34E+02	6.34E+02
pd104	2.66E+02	2.66E+02	2.66E+02	2.66E+02	2.66E+02	2.66E+02	2.66E+02	2.66E+02	2.66E+02	2.66E+02
rh105	8.83E-01	8.83E-01	6.33E-01	2.48E-01	9.23E-03	7.56E-07	3.77E-21	0.00E+00	0.00E+00	0.00E+00
pd105	5.22E+02	5.22E+02	5.22E+02	5.23E+02	5.23E+02	5.23E+02	5.23E+02	5.23E+02	5.23E+02	5.23E+02
ru106	1.65E+02	1.65E+02	1.64E+02	1.64E+02	1.62E+02	1.56E+02	1.37E+02	8.33E+01	5.46E+00	1.81E-01
pd106	3.68E+02	3.68E+02	3.68E+02	3.69E+02	3.71E+02	3.77E+02	3.96E+02	4.49E+02	5.27E+02	5.32E+02

1
0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)

nuclide concentrations, grams
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
pd107	3.59E+02	3.59E+02	3.59E+02	3.59E+02	3.59E+02	3.59E+02	3.59E+02	3.59E+02	3.59E+02	3.59E+02
pd108	2.36E+02	2.36E+02	2.36E+02	2.36E+02	2.36E+02	2.36E+02	2.36E+02	2.36E+02	2.36E+02	2.36E+02
pd109	1.73E-01	1.73E-01	5.14E-02	4.53E-03	9.22E-07	2.62E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ag109	1.19E+02	1.19E+02	1.19E+02	1.19E+02	1.19E+02	1.19E+02	1.19E+02	1.19E+02	1.19E+02	1.19E+02
pd110	7.21E+01	7.21E+01	7.21E+01	7.21E+01	7.21E+01	7.21E+01	7.21E+01	7.21E+01	7.21E+01	7.21E+01
ag110m	1.64E+00	1.64E+00	1.64E+00	1.63E+00	1.60E+00	1.51E+00	1.25E+00	5.96E-01	1.03E-02	6.51E-05
cd110	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.12E+02	1.13E+02	1.13E+02	1.14E+02	1.14E+02
ag111	3.22E-01	3.22E-01	2.94E-01	2.44E-01	1.27E-01	1.98E-02	2.94E-05	5.63E-16	0.00E+00	0.00E+00
cd111	3.80E+01	3.80E+01	3.80E+01	3.81E+01	3.82E+01	3.83E+01	3.83E+01	3.83E+01	3.83E+01	3.83E+01

cd112	1.79E+01	1.79E+01	1.79E+01	1.79E+01	1.79E+01	1.79E+01	1.79E+01	1.79E+01	1.79E+01	1.79E+01
cd113	1.53E-01	1.53E-01	1.55E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
cd113m	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.91E-01	1.84E-01	1.51E-01	1.18E-01
cd114	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01
in115	9.50E-01	9.50E-01	9.53E-01	9.58E-01	9.63E-01	9.66E-01	9.71E-01	9.73E-01	9.73E-01	9.73E-01
sn115	2.13E-01	2.13E-01	2.13E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01
cd116	5.39E+00	5.39E+00	5.39E+00	5.39E+00	5.39E+00	5.39E+00	5.39E+00	5.39E+00	5.39E+00	5.39E+00
sn116	3.49E+00	3.49E+00	3.49E+00	3.49E+00	3.49E+00	3.49E+00	3.49E+00	3.49E+00	3.49E+00	3.49E+00
sn117	5.88E+00	5.88E+00	5.88E+00	5.88E+00	5.88E+00	5.88E+00	5.88E+00	5.88E+00	5.88E+00	5.88E+00
sn118	4.25E+00	4.25E+00	4.25E+00	4.25E+00	4.25E+00	4.25E+00	4.25E+00	4.25E+00	4.25E+00	4.25E+00
sn119	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.42E+00	4.43E+00	4.43E+00
sn120	4.24E+00	4.24E+00	4.24E+00	4.24E+00	4.24E+00	4.24E+00	4.24E+00	4.24E+00	4.24E+00	4.24E+00
sn121m	5.85E-02	5.85E-02	5.85E-02	5.85E-02	5.85E-02	5.84E-02	5.83E-02	5.78E-02	5.49E-02	5.16E-02
sb121	3.91E+00	3.91E+00	3.91E+00	3.92E+00	3.92E+00	3.92E+00	3.92E+00	3.92E+00	3.92E+00	3.92E+00
sn122	5.61E+00	5.61E+00	5.61E+00	5.61E+00	5.61E+00	5.61E+00	5.61E+00	5.61E+00	5.61E+00	5.61E+00
te122	5.01E-01	5.01E-01	5.02E-01	5.03E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01
sn123	3.97E-02	3.97E-02	3.95E-02	3.90E-02	3.76E-02	3.38E-02	2.32E-02	5.59E-03	2.20E-06	1.22E-10
sb123	4.64E+00	4.64E+00	4.64E+00	4.64E+00	4.64E+00	4.65E+00	4.66E+00	4.67E+00	4.68E+00	4.68E+00
sn124	9.44E+00	9.44E+00	9.44E+00	9.44E+00	9.44E+00	9.44E+00	9.44E+00	9.44E+00	9.44E+00	9.44E+00
sb124	5.40E-02	5.40E-02	5.34E-02	5.21E-02	4.81E-02	3.82E-02	1.71E-02	8.05E-04	3.98E-11	2.93E-20
te124	3.84E-01	3.84E-01	3.84E-01	3.85E-01	3.89E-01	3.99E-01	4.20E-01	4.37E-01	4.38E-01	4.38E-01
sn125	2.85E-02	2.85E-02	2.65E-02	2.30E-02	1.39E-02	3.30E-03	2.15E-05	1.12E-13	0.00E+00	0.00E+00
sb125	7.28E+00	7.28E+00	7.27E+00	7.27E+00	7.24E+00	7.15E+00	6.82E+00	5.67E+00	2.05E+00	5.77E-01
te125	4.64E+00	4.64E+00	4.64E+00	4.65E+00	4.69E+00	4.79E+00	5.13E+00	6.29E+00	9.95E+00	1.15E+01
te125m	9.43E-02	9.43E-02	9.43E-02	9.44E-02	9.46E-02	9.49E-02	9.39E-02	8.04E-02	2.92E-02	8.19E-03
sn126	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01
te126	5.98E-01	5.98E-01	5.98E-01	5.98E-01	5.99E-01	6.01E-01	6.02E-01	6.02E-01	6.03E-01	6.03E-01
sb127	2.00E-01	2.00E-01	1.68E-01	1.17E-01	3.33E-02	9.09E-04	3.05E-09	5.52E-30	0.00E+00	0.00E+00
te127m	9.81E-01	9.81E-01	9.80E-01	9.77E-01	9.49E-01	8.40E-01	5.39E-01	9.97E-02	9.20E-06	8.33E-11
i127	4.74E+01	4.74E+01	4.74E+01	4.75E+01	4.76E+01	4.77E+01	4.80E+01	4.85E+01	4.86E+01	4.86E+01
te128	8.73E+01	8.73E+01	8.73E+01	8.73E+01	8.73E+01	8.73E+01	8.73E+01	8.73E+01	8.73E+01	8.73E+01
xe128	5.23E+00	5.23E+00	5.23E+00	5.23E+00	5.23E+00	5.23E+00	5.23E+00	5.23E+00	5.23E+00	5.23E+00
te129m	1.13E+00	1.13E+00	1.11E+00	1.06E+00	9.21E-01	6.09E-01	1.44E-01	6.04E-04	4.92E-17	2.14E-33
i129	1.69E+02	1.69E+02	1.69E+02	1.69E+02	1.69E+02	1.69E+02	1.70E+02	1.70E+02	1.70E+02	1.70E+02
xe129	3.61E-02	3.61E-02	3.62E-02	3.62E-02	3.64E-02	3.67E-02	3.67E-02	3.67E-02	3.68E-02	3.68E-02
te130	2.89E+02	2.89E+02	2.89E+02	2.89E+02	2.89E+02	2.89E+02	2.89E+02	2.89E+02	2.89E+02	2.89E+02
xe130	7.86E+00	7.86E+00	7.86E+00	7.87E+00	7.87E+00	7.87E+00	7.87E+00	7.87E+00	7.87E+00	7.87E+00
te131m	1.39E-01	1.39E-01	8.03E-02	2.65E-02	5.46E-04	8.34E-09	1.16E-25	0.00E+00	0.00E+00	0.00E+00
i131	4.00E+00	4.00E+00	3.74E+00	3.20E+00	1.77E+00	3.15E-01	7.54E-04	8.85E-14	0.00E+00	0.00E+00
xe131	3.09E+02	3.09E+02	3.09E+02	3.10E+02	3.11E+02	3.13E+02	3.13E+02	3.13E+02	3.13E+02	3.13E+02
xe131m	6.05E-02	6.05E-02	6.06E-02	6.01E-02	5.27E-02	2.43E-02	5.66E-04	1.15E-10	0.00E+00	0.00E+00
te132	2.30E+00	2.30E+00	1.86E+00	1.22E+00	2.74E-01	3.89E-03	1.33E-09	0.00E+00	0.00E+00	0.00E+00
i132	6.88E-02	6.88E-02	5.60E-02	3.66E-02	8.25E-03	1.17E-04	3.99E-11	0.00E+00	0.00E+00	0.00E+00

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0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 15

nuclide concentrations, grams
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
xe132	8.86E+02	8.86E+02	8.86E+02	8.87E+02	8.88E+02	8.88E+02	8.88E+02	8.88E+02	8.88E+02	8.88E+02
i133	8.58E-01	8.58E-01	3.96E-01	7.99E-02	2.96E-04	3.34E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xe133	5.21E+00	5.21E+00	5.03E+00	4.15E+00	1.70E+00	1.21E-01	1.16E-05	6.86E-21	0.00E+00	0.00E+00
xe133m	7.09E-02	7.09E-02	6.34E-02	3.99E-02	4.75E-03	8.48E-06	2.02E-15	0.00E+00	0.00E+00	0.00E+00
cs133	7.71E+02	7.71E+02	7.72E+02	7.73E+02	7.75E+02	7.77E+02	7.77E+02	7.77E+02	7.77E+02	7.77E+02
xe134	1.06E+03	1.06E+03	1.06E+03	1.06E+03	1.06E+03	1.06E+03	1.06E+03	1.06E+03	1.06E+03	1.06E+03
cs134	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.04E+02	1.02E+02	9.57E+01	7.50E+01	1.95E+01	3.64E+00
ba134	5.36E+01	5.36E+01	5.37E+01	5.39E+01	5.46E+01	5.65E+01	6.29E+01	8.36E+01	1.39E+02	1.55E+02
xe135	1.67E-01	1.67E-01	1.06E-01	4.28E-03	1.39E-08	2.15E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cs135	5.00E+02	5.00E+02	5.00E+02	5.00E+02	5.00E+02	5.00E+02	5.00E+02	5.00E+02	5.00E+02	5.00E+02
ba135	6.12E-01	6.12E-01	6.12E-01	6.12E-01	6.12E-01	6.12E-01	6.12E-01	6.13E-01	6.13E-01	6.14E-01
xe136	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03

cs136	8.28E-01	8.28E-01	7.85E-01	7.07E-01	4.89E-01	1.70E-01	4.27E-03	3.65E-09	0.00E+00	0.00E+00
ba136	3.26E+01	3.26E+01	3.26E+01	3.27E+01	3.29E+01	3.32E+01	3.34E+01	3.34E+01	3.34E+01	3.34E+01
cs137	9.04E+02	9.04E+02	9.04E+02	9.04E+02	9.03E+02	9.02E+02	8.98E+02	8.83E+02	8.05E+02	7.17E+02
ba137	4.54E+01	4.54E+01	4.54E+01	4.55E+01	4.59E+01	4.71E+01	5.11E+01	6.60E+01	1.44E+02	2.32E+02
ba138	8.69E+02	8.69E+02	8.69E+02	8.69E+02	8.69E+02	8.69E+02	8.69E+02	8.69E+02	8.69E+02	8.69E+02
la139	8.08E+02	8.08E+02	8.08E+02	8.08E+02	8.08E+02	8.08E+02	8.08E+02	8.08E+02	8.08E+02	8.08E+02
ba140	1.13E+01	1.13E+01	1.07E+01	9.61E+00	6.57E+00	2.22E+00	4.94E-02	2.71E-08	0.00E+00	0.00E+00
la140	1.53E+00	1.53E+00	1.50E+00	1.40E+00	9.93E-01	3.36E-01	7.48E-03	4.11E-09	0.00E+00	0.00E+00
ce140	8.40E+02	8.40E+02	8.40E+02	8.41E+02	8.45E+02	8.50E+02	8.52E+02	8.52E+02	8.52E+02	8.52E+02
ce141	2.62E+01	2.62E+01	2.58E+01	2.47E+01	2.13E+01	1.39E+01	3.13E+00	1.09E-02	3.20E-16	3.89E-33
pr141	7.21E+02	7.21E+02	7.22E+02	7.23E+02	7.26E+02	7.34E+02	7.44E+02	7.48E+02	7.48E+02	7.48E+02
ce142	7.32E+02	7.32E+02	7.32E+02	7.32E+02	7.32E+02	7.32E+02	7.32E+02	7.32E+02	7.32E+02	7.32E+02
nd142	1.46E+01	1.46E+01	1.46E+01	1.46E+01	1.46E+01	1.46E+01	1.46E+01	1.46E+01	1.46E+01	1.46E+01
ce143	9.73E-01	9.73E-01	5.92E-01	2.16E-01	6.34E-03	2.65E-07	1.25E-22	0.00E+00	0.00E+00	0.00E+00
pr143	9.47E+00	9.47E+00	9.38E+00	8.82E+00	6.33E+00	2.28E+00	6.37E-02	8.28E-08	0.00E+00	0.00E+00
nd143	5.19E+02	5.19E+02	5.19E+02	5.20E+02	5.23E+02	5.27E+02	5.29E+02	5.29E+02	5.29E+02	5.29E+02
ce144	1.59E+02	1.59E+02	1.59E+02	1.58E+02	1.56E+02	1.48E+02	1.25E+02	6.56E+01	1.88E+00	2.21E-02
nd144	5.62E+02	5.62E+02	5.62E+02	5.63E+02	5.66E+02	5.73E+02	5.96E+02	6.56E+02	7.19E+02	7.21E+02
nd145	4.06E+02	4.06E+02	4.06E+02	4.06E+02	4.06E+02	4.06E+02	4.06E+02	4.06E+02	4.06E+02	4.06E+02
nd146	4.58E+02	4.58E+02	4.58E+02	4.58E+02	4.58E+02	4.58E+02	4.58E+02	4.58E+02	4.58E+02	4.58E+02
nd147	3.84E+00	3.84E+00	3.61E+00	3.18E+00	2.05E+00	5.79E-01	6.97E-03	3.73E-10	0.00E+00	0.00E+00
pm147	8.74E+01	8.74E+01	8.76E+01	8.79E+01	8.86E+01	8.88E+01	8.49E+01	7.01E+01	2.44E+01	6.50E+00
sm147	4.98E+01	4.98E+01	4.99E+01	5.00E+01	5.05E+01	5.18E+01	5.62E+01	7.10E+01	1.17E+02	1.35E+02
nd148	2.62E+02	2.62E+02	2.62E+02	2.62E+02	2.62E+02	2.62E+02	2.62E+02	2.62E+02	2.62E+02	2.62E+02
pm148	5.48E-01	5.48E-01	4.82E-01	3.74E-01	1.54E-01	1.47E-02	1.06E-03	1.24E-05	2.77E-16	1.35E-29
pm148m	8.27E-01	8.27E-01	8.14E-01	7.87E-01	7.00E-01	5.00E-01	1.54E-01	1.80E-03	4.03E-14	1.96E-27
sm148	1.03E+02	1.03E+02	1.03E+02	1.03E+02	1.03E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02	1.04E+02
pm149	8.18E-01	8.18E-01	6.11E-01	3.26E-01	3.64E-02	6.90E-05	2.05E-14	0.00E+00	0.00E+00	0.00E+00
sm149	3.08E+00	3.08E+00	3.30E+00	3.59E+00	3.88E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00
nd150	1.57E+02	1.57E+02	1.57E+02	1.57E+02	1.57E+02	1.57E+02	1.57E+02	1.57E+02	1.57E+02	1.57E+02
sm150	2.37E+02	2.37E+02	2.37E+02	2.37E+02	2.37E+02	2.37E+02	2.37E+02	2.37E+02	2.37E+02	2.37E+02
pm151	1.64E-01	1.64E-01	9.18E-02	2.84E-02	4.70E-04	3.82E-09	5.86E-27	0.00E+00	0.00E+00	0.00E+00
sm151	1.91E+01	1.91E+01	1.91E+01	1.92E+01	1.92E+01	1.92E+01	1.92E+01	1.91E+01	1.85E+01	1.78E+01
eu151	2.78E-02	2.78E-02	2.82E-02	2.90E-02	3.18E-02	3.99E-02	6.82E-02	1.75E-01	7.54E-01	1.45E+00
sm152	9.80E+01	9.80E+01	9.80E+01	9.80E+01	9.80E+01	9.80E+01	9.80E+01	9.80E+01	9.80E+01	9.80E+01
eu152	6.00E-02	6.00E-02	6.00E-02	5.99E-02	5.99E-02	5.97E-02	5.91E-02	5.69E-02	4.62E-02	3.57E-02
gd152	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.18E-01	1.18E-01	1.21E-01	1.24E-01
sm153	7.86E-01	7.86E-01	5.49E-01	2.67E-01	2.16E-02	1.63E-05	1.92E-16	0.00E+00	0.00E+00	0.00E+00
eu153	1.06E+02	1.06E+02	1.06E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02	1.07E+02
sm154	4.52E+01	4.52E+01	4.52E+01	4.52E+01	4.52E+01	4.52E+01	4.52E+01	4.52E+01	4.52E+01	4.52E+01

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0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 16

nuclide concentrations, grams
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
eu154	4.97E+01	4.97E+01	4.96E+01	4.96E+01	4.95E+01	4.93E+01	4.86E+01	4.58E+01	3.32E+01	2.22E+01
gd154	5.40E+00	5.40E+00	5.41E+00	5.43E+00	5.51E+00	5.72E+00	6.48E+00	9.25E+00	2.19E+01	3.29E+01
eu155	2.36E+01	2.36E+01	2.36E+01	2.36E+01	2.35E+01	2.33E+01	2.27E+01	2.04E+01	1.13E+01	5.37E+00
gd155	3.40E-01	3.40E-01	3.50E-01	3.69E-01	4.36E-01	6.26E-01	1.28E+00	3.59E+00	1.27E+01	1.86E+01
eu156	3.03E+00	3.03E+00	2.90E+00	2.65E+00	1.92E+00	7.72E-01	3.16E-02	1.74E-07	0.00E+00	0.00E+00
gd156	7.90E+01	7.90E+01	7.91E+01	7.94E+01	8.01E+01	8.12E+01	8.20E+01	8.20E+01	8.20E+01	8.20E+01
gd157	2.10E-01	2.10E-01	2.20E-01	2.24E-01	2.25E-01	2.25E-01	2.25E-01	2.25E-01	2.25E-01	2.25E-01
gd158	2.73E+01	2.73E+01	2.73E+01	2.73E+01	2.73E+01	2.73E+01	2.73E+01	2.73E+01	2.73E+01	2.73E+01
tb159	3.75E+00	3.75E+00	3.75E+00	3.75E+00	3.75E+00	3.75E+00	3.75E+00	3.75E+00	3.75E+00	3.75E+00
gd160	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00
tb160	1.62E-01	1.62E-01	1.60E-01	1.57E-01	1.47E-01	1.21E-01	6.20E-02	4.88E-03	4.03E-09	1.00E-16
dy160	4.68E-01	4.68E-01	4.69E-01	4.72E-01	4.82E-01	5.08E-01	5.67E-01	6.24E-01	6.29E-01	6.29E-01
dy161	6.70E-01	6.70E-01	6.71E-01	6.73E-01	6.76E-01	6.80E-01	6.80E-01	6.80E-01	6.80E-01	6.80E-01
dy162	4.19E-01	4.19E-01	4.19E-01	4.19E-01	4.19E-01	4.19E-01	4.19E-01	4.19E-01	4.19E-01	4.19E-01
dy163	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.22E-01

dy164	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01	1.99E-01
ho165	1.94E-01	1.94E-01	1.94E-01	1.94E-01	1.94E-01	1.94E-01	1.94E-01	1.94E-01	1.94E-01	1.94E-01
er166	5.68E-02	5.68E-02	5.69E-02	5.70E-02	5.71E-02	5.71E-02	5.71E-02	5.71E-02	5.71E-02	5.71E-02
total	2.44E+04	2.44E+04	2.44E+04	2.44E+04	2.44E+04	2.44E+04	2.44E+04	2.44E+04	2.44E+04	2.44E+04

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 17

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nuclide radioactivity, curies
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
h 3	3.80E+02	3.80E+02	3.80E+02	3.80E+02	3.79E+02	3.78E+02	3.74E+02	3.59E+02	2.87E+02	2.17E+02
ge 77	2.60E+02	2.60E+02	5.97E+01	3.14E+00	1.05E-04	1.72E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
as 77	7.74E+02	7.74E+02	5.50E+02	2.43E+02	1.22E+01	2.31E-03	2.19E-16	0.00E+00	0.00E+00	0.00E+00
br 82	2.13E+03	2.13E+03	1.34E+03	5.21E+02	1.92E+01	1.55E-03	7.36E-18	0.00E+00	0.00E+00	0.00E+00
br 83	4.05E+04	4.05E+04	4.34E+01	4.14E-05	3.50E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
kr 83m	4.05E+04	4.05E+04	1.87E+02	1.74E-04	1.47E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
kr 85	3.63E+03	3.63E+03	3.63E+03	3.63E+03	3.62E+03	3.61E+03	3.56E+03	3.40E+03	2.63E+03	1.90E+03
kr 85m	7.31E+04	7.31E+04	1.81E+03	1.08E+00	5.55E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
rb 86	7.65E+02	7.65E+02	7.37E+02	6.85E+02	5.28E+02	2.51E+02	1.86E+01	9.62E-04	0.00E+00	0.00E+00
kr 88	1.91E+05	1.91E+05	5.44E+02	4.43E-03	6.78E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
rb 88	1.96E+05	1.96E+05	6.08E+02	4.94E-03	7.57E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sr 89	2.50E+05	2.50E+05	2.47E+05	2.40E+05	2.18E+05	1.66E+05	6.35E+04	1.67E+03	3.34E-06	4.46E-17
y 89m	2.35E+01	2.35E+01	2.29E+01	2.23E+01	2.03E+01	1.54E+01	5.90E+00	1.56E-01	3.11E-10	4.15E-21
sr 90	2.72E+04	2.72E+04	2.72E+04	2.72E+04	2.72E+04	2.72E+04	2.70E+04	2.66E+04	2.41E+04	2.13E+04
y 90	2.81E+04	2.81E+04	2.79E+04	2.76E+04	2.73E+04	2.72E+04	2.70E+04	2.66E+04	2.41E+04	2.13E+04
sr 91	3.60E+05	3.60E+05	6.29E+04	1.91E+03	9.29E-03	6.15E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y 91	3.65E+05	3.65E+05	3.63E+05	3.55E+05	3.27E+05	2.58E+05	1.13E+05	4.86E+03	1.48E-04	5.93E-14
y 91m	2.09E+05	2.09E+05	3.99E+04	1.21E+03	5.90E-03	3.91E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sr 92	4.26E+05	4.26E+05	9.21E+02	4.29E-03	9.34E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y 92	4.28E+05	4.28E+05	1.36E+04	1.35E+00	7.01E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y 93	3.59E+05	3.59E+05	7.00E+04	2.60E+03	2.55E-02	1.26E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00
zr 95	6.79E+05	6.79E+05	6.72E+05	6.57E+05	6.09E+05	4.91E+05	2.30E+05	1.30E+04	1.75E-03	4.53E-12
nb 95	6.77E+05	6.77E+05	6.77E+05	6.77E+05	6.71E+05	6.29E+05	3.94E+05	2.81E+04	3.87E-03	9.99E-12
nb 95m	7.68E+03	7.68E+03	7.65E+03	7.56E+03	7.12E+03	5.77E+03	2.71E+03	1.53E+02	2.06E-05	5.33E-14
nb 96	1.88E+03	1.88E+03	9.22E+02	2.22E+02	1.51E+00	9.81E-07	2.15E-28	0.00E+00	0.00E+00	0.00E+00
zr 97	7.20E+05	7.20E+05	2.69E+05	3.76E+04	3.82E+01	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 97	7.27E+05	7.27E+05	2.70E+05	3.77E+04	3.84E+01	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 97m	6.84E+05	6.84E+05	2.55E+05	3.56E+04	3.63E+01	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
mo 99	8.85E+05	8.85E+05	6.88E+05	4.15E+05	7.10E+04	4.57E+02	9.80E-06	0.00E+00	0.00E+00	0.00E+00
tc 99m	7.79E+05	7.79E+05	6.61E+05	4.02E+05	6.88E+04	4.43E+02	9.49E-06	0.00E+00	0.00E+00	0.00E+00
ru103	9.58E+05	9.58E+05	9.41E+05	9.08E+05	8.03E+05	5.64E+05	1.64E+05	1.52E+03	9.50E-09	9.43E-23
rh103m	9.55E+05	9.55E+05	9.39E+05	9.07E+05	8.01E+05	5.63E+05	1.64E+05	1.51E+03	9.49E-09	9.42E-23
ru105	7.77E+05	7.77E+05	1.89E+04	1.05E+01	4.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
rh105	7.45E+05	7.45E+05	5.35E+05	2.10E+05	7.79E+03	6.39E-01	3.19E-15	0.00E+00	0.00E+00	0.00E+00
rh105m	2.21E+05	2.21E+05	5.37E+03	2.99E+00	1.21E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ru106	5.46E+05	5.46E+05	5.45E+05	5.43E+05	5.36E+05	5.16E+05	4.53E+05	2.76E+05	1.81E+04	6.00E+02
rh106	5.67E+05	5.67E+05	5.45E+05	5.43E+05	5.36E+05	5.16E+05	4.53E+05	2.76E+05	1.81E+04	6.00E+02
pd109	3.63E+05	3.63E+05	1.08E+05	9.52E+03	1.94E+00	5.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ag109m	3.63E+05	3.63E+05	1.08E+05	9.52E+03	1.94E+00	4.25E-03	3.83E-03	2.57E-03	2.88E-04	1.87E-05
ag110	2.76E+05	2.76E+05	1.06E+02	1.05E+02	1.03E+02	9.78E+01	8.05E+01	3.86E+01	6.69E-01	4.21E-03
ag110m	7.81E+03	7.81E+03	7.79E+03	7.75E+03	7.60E+03	7.19E+03	5.92E+03	2.84E+03	4.92E+01	3.10E-01
pd111	5.07E+04	5.07E+04	7.52E+01	1.77E-01	1.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
pd111m	1.97E+03	1.97E+03	9.57E+01	2.26E-01	1.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ag111	5.08E+04	5.08E+04	4.65E+04	3.86E+04	2.01E+04	3.13E+03	4.64E+00	8.90E-11	0.00E+00	0.00E+00
ag111m	5.07E+04	5.07E+04	9.35E+01	2.21E-01	1.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
pd112	2.16E+04	2.16E+04	9.80E+03	2.02E+03	7.97E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ag112	2.17E+04	2.17E+04	1.15E+04	2.37E+03	9.36E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ag113	1.17E+04	1.17E+04	5.32E+02	1.08E+00	4.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cd113m	4.34E+01	4.34E+01	4.34E+01	4.34E+01	4.33E+01	4.32E+01	4.28E+01	4.13E+01	3.39E+01	2.65E+01
cd115	5.81E+03	5.81E+03	4.27E+03	2.29E+03	2.60E+02	5.16E-01	1.80E-10	0.00E+00	0.00E+00	0.00E+00
cd115m	2.98E+02	2.98E+02	2.94E+02	2.85E+02	2.56E+02	1.87E+02	6.31E+01	1.02E+00	1.40E-10	6.60E-23

1 in115m	5.81E+03	5.81E+03	4.65E+03	2.51E+03	2.84E+02	5.83E-01	6.97E-03	1.13E-04	1.55E-14	7.29E-27

0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 18

nuclide radioactivity, curies
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
in117	3.91E+03	3.91E+03	2.53E+01	5.80E-04	4.94E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
in117m	4.78E+03	4.78E+03	2.85E+01	5.82E-05	1.37E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sn117m	9.88E+01	9.88E+01	9.41E+01	8.50E+01	5.95E+01	2.15E+01	6.06E-01	8.14E-07	0.00E+00	0.00E+00
sn119m	5.79E+01	5.79E+01	5.78E+01	5.75E+01	5.66E+01	5.40E+01	4.57E+01	2.44E+01	7.71E-01	1.03E-02
sb122	1.29E+03	1.29E+03	9.97E+02	5.97E+02	9.90E+01	5.83E-01	9.16E-09	0.00E+00	0.00E+00	0.00E+00
sn123	3.26E+02	3.26E+02	3.25E+02	3.21E+02	3.09E+02	2.78E+02	1.91E+02	4.60E+01	1.81E-02	1.00E-06
sb124	9.44E+02	9.44E+02	9.34E+02	9.12E+02	8.42E+02	6.69E+02	2.99E+02	1.41E+01	6.96E-07	5.13E-16
sn125	3.09E+03	3.09E+03	2.88E+03	2.49E+03	1.51E+03	3.57E+02	2.33E+00	1.21E-08	0.00E+00	0.00E+00
sb125	7.63E+03	7.63E+03	7.62E+03	7.62E+03	7.59E+03	7.50E+03	7.14E+03	5.94E+03	2.15E+03	6.04E+02
te125m	1.70E+03	1.70E+03	1.70E+03	1.70E+03	1.70E+03	1.71E+03	1.69E+03	1.45E+03	5.25E+02	1.48E+02
sb126	3.26E+02	3.26E+02	3.08E+02	2.75E+02	1.86E+02	6.09E+01	1.31E+00	1.01E-01	1.01E-01	1.01E-01
sb127	5.33E+04	5.33E+04	4.50E+04	3.14E+04	8.90E+03	2.43E+02	8.15E-04	1.48E-24	0.00E+00	0.00E+00
te127	5.31E+04	5.31E+04	4.94E+04	3.78E+04	1.69E+04	7.99E+03	4.98E+03	9.22E+02	8.51E-02	7.70E-07
te127m	9.25E+03	9.25E+03	9.25E+03	9.22E+03	8.95E+03	7.93E+03	5.08E+03	9.41E+02	8.69E-02	7.86E-07
sb128	8.63E+03	8.63E+03	1.42E+03	3.55E+01	8.66E-05	7.99E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sb129	1.72E+05	1.72E+05	3.96E+03	2.06E+00	6.61E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
te129	1.64E+05	1.64E+05	2.58E+04	2.05E+04	1.78E+04	1.18E+04	2.78E+03	1.17E+01	9.50E-13	4.13E-29
te129m	3.39E+04	3.39E+04	3.34E+04	3.21E+04	2.77E+04	1.84E+04	4.33E+03	1.82E+01	1.48E-12	6.44E-29
xe129m	7.20E+01	7.20E+01	6.66E+01	5.70E+01	3.30E+01	6.94E+00	2.96E-02	3.09E-11	0.00E+00	0.00E+00
i130	1.65E+04	1.65E+04	4.33E+03	2.93E+02	2.38E-02	4.86E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
te131	4.07E+05	4.07E+05	1.44E+04	4.76E+03	9.81E+01	1.50E-03	2.08E-20	0.00E+00	0.00E+00	0.00E+00
te131m	1.11E+05	1.11E+05	6.41E+04	2.11E+04	4.36E+02	6.65E-03	9.23E-20	0.00E+00	0.00E+00	0.00E+00
i131	4.97E+05	4.97E+05	4.64E+05	3.97E+05	2.19E+05	3.91E+04	9.35E+01	1.10E-08	0.00E+00	0.00E+00
xe131m	5.07E+03	5.07E+03	5.08E+03	5.03E+03	4.42E+03	2.04E+03	4.74E+01	9.64E-06	0.00E+00	0.00E+00
te132	6.99E+05	6.99E+05	5.65E+05	3.69E+05	8.33E+04	1.18E+03	4.03E-04	0.00E+00	0.00E+00	0.00E+00
i132	7.16E+05	7.16E+05	5.83E+05	3.80E+05	8.58E+04	1.22E+03	4.15E-04	0.00E+00	0.00E+00	0.00E+00
cs132	4.40E+01	4.40E+01	3.95E+01	3.19E+01	1.51E+01	1.78E+00	9.94E-04	4.71E-16	0.00E+00	0.00E+00
i133	9.73E+05	9.73E+05	4.48E+05	9.06E+04	3.35E+02	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xe133	9.77E+05	9.77E+05	9.42E+05	7.77E+05	3.19E+05	2.28E+04	2.18E+00	1.28E-15	0.00E+00	0.00E+00
xe133m	3.18E+04	3.18E+04	2.84E+04	1.79E+04	2.13E+03	3.80E+00	9.07E-10	0.00E+00	0.00E+00	0.00E+00
cs134	1.36E+05	1.36E+05	1.36E+05	1.35E+05	1.35E+05	1.32E+05	1.24E+05	9.71E+04	2.53E+04	4.71E+03
cs134m	2.86E+04	2.86E+04	9.45E+01	1.03E-03	4.36E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
i135	9.44E+05	9.44E+05	7.51E+04	4.74E+02	9.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xe135	4.24E+05	4.24E+05	2.69E+05	1.09E+04	3.54E-02	5.47E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xe135m	2.20E+05	2.20E+05	1.23E+04	7.74E+01	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ba135m	3.94E+02	3.94E+02	2.21E+02	6.92E+01	1.20E+00	1.10E-05	2.61E-23	0.00E+00	0.00E+00	0.00E+00
cs136	6.04E+04	6.04E+04	5.73E+04	5.16E+04	3.57E+04	1.24E+04	3.12E+02	2.67E-04	0.00E+00	0.00E+00
ba136m	6.77E+03	6.77E+03	6.42E+03	5.78E+03	4.00E+03	1.39E+03	3.49E+01	2.99E-05	0.00E+00	0.00E+00
cs137	7.86E+04	7.86E+04	7.86E+04	7.86E+04	7.86E+04	7.85E+04	7.81E+04	7.68E+04	7.01E+04	6.24E+04
ba137m	7.47E+04	7.47E+04	7.43E+04	7.43E+04	7.42E+04	7.41E+04	7.38E+04	7.26E+04	6.62E+04	5.89E+04
ba140	8.28E+05	8.28E+05	7.84E+05	7.03E+05	4.81E+05	1.62E+05	3.61E+03	1.98E-03	0.00E+00	0.00E+00
la140	8.53E+05	8.53E+05	8.37E+05	7.81E+05	5.52E+05	1.87E+05	4.16E+03	2.28E-03	0.00E+00	0.00E+00
la141	7.39E+05	7.39E+05	1.15E+04	2.37E+00	2.96E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ce141	7.48E+05	7.48E+05	7.36E+05	7.06E+05	6.08E+05	3.97E+05	8.91E+04	3.11E+02	9.13E-12	1.11E-28
pr142	3.36E+04	3.36E+04	1.41E+04	2.47E+03	5.59E+00	1.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ce143	6.47E+05	6.47E+05	3.93E+05	1.44E+05	4.21E+03	1.76E-01	8.33E-17	0.00E+00	0.00E+00	0.00E+00
pr143	6.38E+05	6.38E+05	6.31E+05	5.94E+05	4.26E+05	1.54E+05	4.29E+03	5.58E-03	0.00E+00	0.00E+00
ce144	5.08E+05	5.08E+05	5.06E+05	5.04E+05	4.96E+05	4.72E+05	3.98E+05	2.09E+05	5.98E+03	7.03E+01
pr144	5.11E+05	5.11E+05	5.07E+05	5.04E+05	4.96E+05	4.72E+05	3.98E+05	2.09E+05	5.98E+03	7.03E+01
pr144m	7.14E+03	7.14E+03	7.09E+03	7.06E+03	6.94E+03	6.61E+03	5.57E+03	2.92E+03	8.37E+01	9.84E-01
1 pr145	4.52E+05	4.52E+05	2.83E+04	1.09E+02	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0 nuclide radioactivity, curies
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
nd147	3.11E+05	3.11E+05	2.92E+05	2.58E+05	1.66E+05	4.68E+04	5.64E+02	3.02E-05	0.00E+00	0.00E+00
pm147	8.11E+04	8.11E+04	8.12E+04	8.15E+04	8.22E+04	8.23E+04	7.88E+04	6.50E+04	2.26E+04	6.03E+03
pm148	9.01E+04	9.01E+04	7.92E+04	6.14E+04	2.53E+04	2.42E+03	1.75E+02	2.03E+00	4.55E-11	2.22E-24
pm148m	1.77E+04	1.77E+04	1.74E+04	1.68E+04	1.50E+04	1.07E+04	3.30E+03	3.85E+01	8.61E-10	4.19E-23
pm149	3.24E+05	3.24E+05	2.42E+05	1.29E+05	1.44E+04	2.74E+01	8.13E-09	0.00E+00	0.00E+00	0.00E+00
pm151	1.20E+05	1.20E+05	6.71E+04	2.08E+04	3.44E+02	2.80E-03	4.29E-21	0.00E+00	0.00E+00	0.00E+00
sm151	5.01E+02	5.01E+02	5.03E+02	5.05E+02	5.06E+02	5.05E+02	5.05E+02	5.02E+02	4.87E+02	4.68E+02
eu152m	1.84E+02	1.84E+02	3.08E+01	8.67E-01	3.25E-06	1.02E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sm153	3.48E+05	3.48E+05	2.43E+05	1.18E+05	9.56E+03	7.22E+00	8.51E-11	0.00E+00	0.00E+00	0.00E+00
eu154	1.34E+04	1.34E+04	1.34E+04	1.34E+04	1.34E+04	1.33E+04	1.31E+04	1.24E+04	8.97E+03	5.99E+03
eu155	1.16E+04	1.16E+04	1.16E+04	1.16E+04	1.16E+04	1.15E+04	1.12E+04	1.00E+04	5.55E+03	2.65E+03
sm156	1.80E+04	1.80E+04	3.07E+03	8.92E+01	3.72E-04	1.58E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
eu156	1.67E+05	1.67E+05	1.60E+05	1.46E+05	1.06E+05	4.26E+04	1.74E+03	9.62E-03	0.00E+00	0.00E+00
eu157	1.95E+04	1.95E+04	6.57E+03	7.34E+02	3.42E-01	1.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
gd159	6.22E+03	6.22E+03	2.56E+03	4.27E+02	8.05E-01	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tb160	1.83E+03	1.83E+03	1.81E+03	1.78E+03	1.66E+03	1.37E+03	7.00E+02	5.51E+01	4.55E-05	1.13E-12
tb161	1.13E+03	1.13E+03	1.02E+03	8.35E+02	4.13E+02	5.54E+01	4.90E-02	1.31E-13	0.00E+00	0.00E+00
ho166	1.87E+02	1.87E+02	1.01E+02	3.05E+01	8.80E-01	8.68E-03	5.51E-09	0.00E+00	0.00E+00	0.00E+00
total	8.43E+07	8.43E+07	1.79E+07	1.35E+07	9.39E+06	6.26E+06	3.42E+06	1.43E+06	3.01E+05	1.88E+05

1 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 20

0 nuclide thermal power, watts
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
br 82	3.52E+01	3.52E+01	2.20E+01	8.59E+00	3.17E-01	2.56E-05	1.21E-19	0.00E+00	0.00E+00	0.00E+00
rb 88	3.14E+03	3.14E+03	9.76E+00	7.93E-05	1.22E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sr 89	8.65E+02	8.65E+02	8.53E+02	8.30E+02	7.54E+02	5.73E+02	2.20E+02	5.78E+00	1.15E-08	1.54E-19
sr 90	3.16E+01	3.16E+01	3.16E+01	3.16E+01	3.16E+01	3.15E+01	3.14E+01	3.08E+01	2.79E+01	2.47E+01
y 90	1.55E+02	1.55E+02	1.54E+02	1.53E+02	1.51E+02	1.50E+02	1.50E+02	1.47E+02	1.33E+02	1.18E+02
sr 91	2.88E+03	2.88E+03	5.02E+02	1.52E+01	7.41E-05	4.91E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y 91	1.31E+03	1.31E+03	1.31E+03	1.28E+03	1.18E+03	9.28E+02	4.05E+02	1.75E+01	5.31E-07	2.13E-16
y 91m	6.88E+02	6.88E+02	1.31E+02	3.99E+00	1.94E-05	1.29E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sr 92	3.83E+03	3.83E+03	8.27E+00	3.85E-05	8.39E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y 92	4.29E+03	4.29E+03	1.36E+02	1.36E-02	7.01E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y 93	2.68E+03	2.68E+03	5.23E+02	1.94E+01	1.91E-04	9.42E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
zr 95	3.42E+03	3.42E+03	3.39E+03	3.31E+03	3.07E+03	2.47E+03	1.16E+03	6.56E+01	8.84E-06	2.28E-14
nb 95	3.25E+03	3.25E+03	3.25E+03	3.24E+03	3.22E+03	3.02E+03	1.89E+03	1.35E+02	1.85E-05	4.79E-14
nb 95m	1.09E+01	1.09E+01	1.08E+01	1.07E+01	1.01E+01	8.16E+00	3.83E+00	2.16E-01	2.92E-08	7.54E-17
nb 96	3.03E+01	3.03E+01	1.48E+01	3.57E+00	2.44E-02	1.58E-08	3.47E-30	0.00E+00	0.00E+00	0.00E+00
zr 97	3.78E+03	3.78E+03	1.41E+03	1.97E+02	2.01E-01	5.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 97	4.88E+03	4.88E+03	1.82E+03	2.54E+02	2.58E-01	7.80E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 97m	3.01E+03	3.01E+03	1.12E+03	1.57E+02	1.60E-01	4.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
mo 99	3.54E+03	3.54E+03	2.76E+03	1.66E+03	2.85E+02	1.83E+00	3.93E-08	0.00E+00	0.00E+00	0.00E+00
tc 99m	7.29E+02	7.29E+02	6.18E+02	3.76E+02	6.43E+01	4.14E-01	8.88E-09	0.00E+00	0.00E+00	0.00E+00
ru103	3.19E+03	3.19E+03	3.13E+03	3.02E+03	2.67E+03	1.88E+03	5.45E+02	5.04E+00	3.16E-11	3.14E-25
rh103m	2.15E+02	2.15E+02	2.11E+02	2.04E+02	1.80E+02	1.27E+02	3.68E+01	3.41E-01	2.14E-12	2.12E-26
ru105	5.29E+03	5.29E+03	1.29E+02	7.15E-02	2.89E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
rh105	1.02E+03	1.02E+03	7.30E+02	2.86E+02	1.06E+01	8.71E-04	4.35E-18	0.00E+00	0.00E+00	0.00E+00
ru106	3.24E+01	3.24E+01	3.24E+01	3.23E+01	3.18E+01	3.07E+01	2.69E+01	1.64E+01	1.08E+00	3.57E-02
rh106	5.44E+03	5.44E+03	5.22E+03	5.20E+03	5.13E+03	4.95E+03	4.34E+03	2.65E+03	1.73E+02	5.75E+00
pd109	7.77E+02	7.77E+02	2.31E+02	2.04E+01	4.15E-03	1.18E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ag109m	1.82E+02	1.82E+02	5.42E+01	4.77E+00	9.74E-04	2.13E-06	1.92E-06	1.29E-06	1.44E-07	9.36E-09
ag110m	1.30E+02	1.30E+02	1.30E+02	1.29E+02	1.27E+02	1.20E+02	9.87E+01	4.73E+01	8.20E-01	5.16E-03
ag111	1.15E+02	1.15E+02	1.05E+02	8.71E+01	4.54E+01	7.07E+00	1.05E-02	2.01E-13	0.00E+00	0.00E+00
ag112	2.68E+02	2.68E+02	1.42E+02	2.93E+01	1.16E-01	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cd115	1.76E+01	1.76E+01	1.29E+01	6.93E+00	7.85E-01	1.56E-03	5.43E-13	0.00E+00	0.00E+00	0.00E+00
in115m	1.14E+01	1.14E+01	9.13E+00	4.92E+00	5.57E-01	1.15E-03	1.37E-05	2.22E-07	3.04E-17	1.43E-29

sb124	1.25E+01	1.25E+01	1.24E+01	1.21E+01	1.12E+01	8.86E+00	3.96E+00	1.87E-01	9.22E-09	6.79E-18
sn125	2.06E+01	2.06E+01	1.91E+01	1.66E+01	1.00E+01	2.38E+00	1.55E-02	8.08E-11	0.00E+00	0.00E+00
sb125	2.41E+01	2.41E+01	2.41E+01	2.41E+01	2.40E+01	2.37E+01	2.26E+01	1.88E+01	6.80E+00	1.91E+00
sb127	3.09E+02	3.09E+02	2.61E+02	1.82E+02	5.16E+01	1.41E+00	4.73E-06	8.55E-27	0.00E+00	0.00E+00
te127	7.21E+01	7.21E+01	6.71E+01	5.13E+01	2.30E+01	1.09E+01	6.76E+00	1.25E+00	1.16E-04	1.05E-09
sb128	1.83E+02	1.83E+02	3.02E+01	7.53E-01	1.84E-06	1.69E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sb129	1.78E+03	1.78E+03	4.11E+01	2.13E-02	6.85E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
te129	5.83E+02	5.83E+02	9.18E+01	7.31E+01	6.32E+01	4.19E+01	9.88E+00	4.15E-02	3.38E-15	1.47E-31
te129m	6.17E+01	6.17E+01	6.08E+01	5.83E+01	5.05E+01	3.34E+01	7.89E+00	3.31E-02	2.70E-15	1.17E-31
i130	2.38E+02	2.38E+02	6.23E+01	4.22E+00	3.42E-04	6.99E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00
te131	2.76E+03	2.76E+03	9.77E+01	3.22E+01	6.64E-01	1.01E-05	1.41E-22	0.00E+00	0.00E+00	0.00E+00
te131m	1.06E+03	1.06E+03	6.12E+02	2.02E+02	4.17E+00	6.36E-05	8.82E-22	0.00E+00	0.00E+00	0.00E+00
i131	1.69E+03	1.69E+03	1.58E+03	1.35E+03	7.44E+02	1.33E+02	3.18E-01	3.73E-11	0.00E+00	0.00E+00
te132	1.38E+03	1.38E+03	1.12E+03	7.31E+02	1.65E+02	2.34E+00	7.97E-07	0.00E+00	0.00E+00	0.00E+00
i132	1.18E+04	1.18E+04	9.59E+03	6.26E+03	1.41E+03	2.01E+01	6.83E-06	0.00E+00	0.00E+00	0.00E+00
i133	5.89E+03	5.89E+03	2.71E+03	5.48E+02	2.03E+00	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xe133	1.06E+03	1.06E+03	1.02E+03	8.45E+02	3.47E+02	2.48E+01	2.37E-03	1.40E-18	0.00E+00	0.00E+00
xe133m	4.25E+01	4.25E+01	3.80E+01	2.39E+01	2.84E+00	5.08E-03	1.21E-12	0.00E+00	0.00E+00	0.00E+00
cs134	1.39E+03	1.39E+03	1.38E+03	1.38E+03	1.37E+03	1.35E+03	1.26E+03	9.90E+02	2.58E+02	4.80E+01

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0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 21

nuclide thermal power, watts
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
i135	1.09E+04	1.09E+04	8.68E+02	5.48E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xe135	1.42E+03	1.42E+03	9.03E+02	3.66E+01	1.19E-04	1.84E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xe135m	6.83E+02	6.83E+02	3.80E+01	2.40E-01	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cs136	7.34E+02	7.34E+02	6.97E+02	6.27E+02	4.34E+02	1.51E+02	3.79E+00	3.24E-06	0.00E+00	0.00E+00
ba136m	8.14E+01	8.14E+01	7.72E+01	6.95E+01	4.81E+01	1.68E+01	4.20E-01	3.59E-07	0.00E+00	0.00E+00
cs137	8.74E+01	8.74E+01	8.74E+01	8.74E+01	8.74E+01	8.72E+01	8.69E+01	8.54E+01	7.79E+01	6.94E+01
ba137m	2.94E+02	2.94E+02	2.92E+02	2.92E+02	2.92E+02	2.91E+02	2.90E+02	2.85E+02	2.60E+02	2.32E+02
ba140	2.42E+03	2.42E+03	2.29E+03	2.05E+03	1.40E+03	4.74E+02	1.06E+01	5.80E-06	0.00E+00	0.00E+00
la140	1.43E+04	1.43E+04	1.40E+04	1.31E+04	9.26E+03	3.14E+03	6.98E+01	3.83E-05	0.00E+00	0.00E+00
la141	4.35E+03	4.35E+03	6.77E+01	1.39E-02	1.74E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ce141	1.09E+03	1.09E+03	1.08E+03	1.03E+03	8.89E+02	5.81E+02	1.30E+02	4.56E-01	1.34E-14	1.62E-31
pr142	1.73E+02	1.73E+02	7.24E+01	1.27E+01	2.88E-02	7.97E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ce143	2.72E+03	2.72E+03	1.65E+03	6.03E+02	1.77E+01	7.40E-04	3.50E-19	0.00E+00	0.00E+00	0.00E+00
pr143	1.19E+03	1.19E+03	1.18E+03	1.11E+03	7.96E+02	2.87E+02	8.02E+00	1.04E-05	0.00E+00	0.00E+00
ce144	3.32E+02	3.32E+02	3.31E+02	3.30E+02	3.24E+02	3.09E+02	2.61E+02	1.37E+02	3.91E+00	4.60E-02
pr144	3.75E+03	3.75E+03	3.72E+03	3.70E+03	3.64E+03	3.46E+03	2.92E+03	1.53E+03	4.38E+01	5.16E-01
pr145	1.86E+03	1.86E+03	1.17E+02	4.49E-01	1.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nd147	7.53E+02	7.53E+02	7.07E+02	6.23E+02	4.01E+02	1.13E+02	1.37E+00	7.30E-08	0.00E+00	0.00E+00
pm147	2.98E+01	2.98E+01	2.98E+01	2.99E+01	3.02E+01	3.02E+01	2.89E+01	2.39E+01	8.30E+00	2.21E+00
pm148	6.96E+02	6.96E+02	6.12E+02	4.74E+02	1.95E+02	1.87E+01	1.35E+00	1.57E-02	3.52E-13	1.71E-26
pm148m	2.26E+02	2.26E+02	2.22E+02	2.15E+02	1.91E+02	1.37E+02	4.22E+01	4.92E-01	1.10E-11	5.36E-25
pm149	7.24E+02	7.24E+02	5.41E+02	2.89E+02	3.22E+01	6.11E-02	1.81E-11	0.00E+00	0.00E+00	0.00E+00
pm151	4.37E+02	4.37E+02	2.45E+02	7.59E+01	1.26E+00	1.02E-05	1.57E-23	0.00E+00	0.00E+00	0.00E+00
sm153	6.91E+02	6.91E+02	4.82E+02	2.35E+02	1.90E+01	1.43E-02	1.69E-13	0.00E+00	0.00E+00	0.00E+00
eu154	1.22E+02	1.22E+02	1.22E+02	1.22E+02	1.22E+02	1.21E+02	1.19E+02	1.12E+02	8.14E+01	5.44E+01
eu155	9.05E+00	9.05E+00	9.05E+00	9.04E+00	9.01E+00	8.94E+00	8.69E+00	7.80E+00	4.32E+00	2.06E+00
eu156	1.68E+03	1.68E+03	1.61E+03	1.47E+03	1.07E+03	4.28E+02	1.75E+01	9.66E-05	0.00E+00	0.00E+00
eu157	7.65E+01	7.65E+01	2.57E+01	2.87E+00	1.34E-03	4.06E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tb160	1.60E+01	1.60E+01	1.59E+01	1.56E+01	1.46E+01	1.20E+01	6.14E+00	4.83E-01	3.99E-07	9.95E-15
total	1.01E+06	1.01E+06	7.92E+04	5.91E+04	4.06E+04	2.56E+04	1.42E+04	6.32E+03	1.09E+03	5.62E+02

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0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 22

nuclide inhalation hazard, m**3 of air at rcg
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
as 77	7.74E+12	7.74E+12	5.50E+12	2.43E+12	1.22E+11	2.31E+07	2.19E-06	0.00E+00	0.00E+00	0.00E+00

sr 89	8.34E+14	8.34E+14	8.22E+14	8.00E+14	7.27E+14	5.53E+14	2.12E+14	5.57E+12	1.11E+04	1.49E-07
sr 90	9.07E+14	9.07E+14	9.07E+14	9.07E+14	9.07E+14	9.05E+14	9.01E+14	8.85E+14	8.02E+14	7.09E+14
y 90	9.36E+12	9.36E+12	9.29E+12	9.20E+12	9.09E+12	9.06E+12	9.01E+12	8.85E+12	8.02E+12	7.09E+12
sr 91	4.00E+13	4.00E+13	6.98E+12	2.12E+11	1.03E+06	6.83E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y 91	3.65E+14	3.65E+14	3.63E+14	3.55E+14	3.27E+14	2.58E+14	1.13E+14	4.86E+12	1.48E+05	5.93E-05
y 93	7.18E+13	7.18E+13	1.40E+13	5.19E+11	5.11E+06	2.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
zr 95	6.79E+14	6.79E+14	6.72E+14	6.57E+14	6.09E+14	4.91E+14	2.30E+14	1.30E+13	1.75E+06	4.53E-03
nb 95	2.26E+14	2.26E+14	2.26E+14	2.26E+14	2.24E+14	2.10E+14	1.31E+14	9.36E+12	1.29E+06	3.33E-03
nb 95m	7.68E+13	7.68E+13	7.65E+13	7.56E+13	7.12E+13	5.77E+13	2.71E+13	1.53E+12	2.06E+05	5.33E-04
nb 96	1.88E+13	1.88E+13	9.22E+12	2.22E+12	1.51E+10	9.81E+03	2.15E-18	0.00E+00	0.00E+00	0.00E+00
zr 97	2.40E+14	2.40E+14	8.96E+13	1.25E+13	1.27E+10	3.59E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nb 97m	2.28E+13	2.28E+13	8.51E+12	1.19E+12	1.21E+09	3.41E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
mo 99	1.26E+14	1.26E+14	9.83E+13	5.93E+13	1.01E+13	6.54E+10	1.40E+03	0.00E+00	0.00E+00	0.00E+00
ru103	3.19E+14	3.19E+14	3.14E+14	3.03E+14	2.68E+14	1.88E+14	5.46E+13	5.05E+11	3.17E+00	3.14E-14
rh105	3.73E+13	3.73E+13	2.67E+13	1.05E+13	3.90E+11	3.19E+07	1.59E-07	0.00E+00	0.00E+00	0.00E+00
ru106	2.73E+15	2.73E+15	2.72E+15	2.71E+15	2.68E+15	2.58E+15	2.26E+15	1.38E+15	9.05E+13	3.00E+12
rh106	1.89E+13	1.89E+13	1.82E+13	1.81E+13	1.79E+13	1.72E+13	1.51E+13	9.20E+12	6.03E+11	2.00E+10
pd109	3.63E+13	3.63E+13	1.08E+13	9.52E+11	1.94E+08	5.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ag109m	1.21E+13	1.21E+13	3.60E+12	3.17E+11	6.47E+07	1.42E+05	1.28E+05	8.57E+04	9.60E+03	6.22E+02
ag110m	2.60E+13	2.60E+13	2.60E+13	2.58E+13	2.53E+13	2.40E+13	1.97E+13	9.45E+12	1.64E+11	1.03E+09
ag111	6.35E+12	6.35E+12	5.81E+12	4.82E+12	2.51E+12	3.91E+11	5.81E+08	1.11E-02	0.00E+00	0.00E+00
pd112	2.16E+14	2.16E+14	9.80E+13	2.02E+13	7.97E+10	1.08E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ag112	2.17E+14	2.17E+14	1.15E+14	2.37E+13	9.36E+10	1.27E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ag113	1.17E+14	1.17E+14	5.32E+12	1.08E+10	4.13E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sn121	4.83E+13	4.83E+13	2.62E+13	7.67E+12	1.28E+11	2.44E+10	2.43E+10	2.41E+10	2.29E+10	2.15E+10
sn123	3.26E+12	3.26E+12	3.25E+12	3.21E+12	3.09E+12	2.78E+12	1.91E+12	4.60E+11	1.81E+08	1.00E+04
sb125	8.47E+12	8.47E+12	8.47E+12	8.46E+12	8.43E+12	8.33E+12	7.94E+12	6.60E+12	2.39E+12	6.72E+11
sb126	3.26E+12	3.26E+12	3.08E+12	2.75E+12	1.86E+12	6.09E+11	1.31E+10	1.01E+09	1.01E+09	1.01E+09
sb127	5.33E+14	5.33E+14	4.50E+14	3.14E+14	8.90E+13	2.43E+12	8.15E+06	1.48E-14	0.00E+00	0.00E+00
te127m	9.25E+12	9.25E+12	9.25E+12	9.22E+12	8.95E+12	7.93E+12	5.08E+12	9.41E+11	8.69E+07	7.86E+02
sb128	8.63E+13	8.63E+13	1.42E+13	3.55E+11	8.66E+05	7.99E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
sb129	1.72E+15	1.72E+15	3.96E+13	2.06E+10	6.61E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
te129m	3.39E+13	3.39E+13	3.34E+13	3.21E+13	2.77E+13	1.84E+13	4.33E+12	1.82E+10	1.48E-03	6.44E-20
i130	1.65E+14	1.65E+14	4.33E+13	2.93E+12	2.38E+08	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
te131m	1.85E+13	1.85E+13	1.07E+13	3.52E+12	7.26E+10	1.11E+06	1.54E-11	0.00E+00	0.00E+00	0.00E+00
i131	4.97E+15	4.97E+15	4.64E+15	3.97E+15	2.19E+15	3.91E+14	9.35E+11	1.10E+02	0.00E+00	0.00E+00
te132	1.75E+14	1.75E+14	1.41E+14	9.23E+13	2.08E+13	2.96E+11	1.01E+05	0.00E+00	0.00E+00	0.00E+00
i132	2.39E+14	2.39E+14	1.94E+14	1.27E+14	2.86E+13	4.06E+11	1.38E+05	0.00E+00	0.00E+00	0.00E+00
i133	2.43E+15	2.43E+15	1.12E+15	2.26E+14	8.38E+11	9.47E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xe133	3.26E+12	3.26E+12	3.14E+12	2.59E+12	1.06E+12	7.59E+10	7.26E+06	4.28E-09	0.00E+00	0.00E+00
cs134	3.40E+14	3.40E+14	3.39E+14	3.39E+14	3.37E+14	3.30E+14	3.10E+14	2.43E+14	6.33E+13	1.18E+13
i135	9.44E+14	9.44E+14	7.51E+13	4.74E+11	9.50E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
xe135	4.24E+12	4.24E+12	2.69E+12	1.09E+11	3.54E+05	5.47E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ba135m	3.94E+12	3.94E+12	2.21E+12	6.92E+11	1.20E+10	1.10E+05	2.61E-13	0.00E+00	0.00E+00	0.00E+00
cs136	1.01E+13	1.01E+13	9.55E+12	8.60E+12	5.95E+12	2.07E+12	5.19E+10	4.44E+04	0.00E+00	0.00E+00
cs137	1.57E+14	1.57E+14	1.57E+14	1.57E+14	1.57E+14	1.57E+14	1.56E+14	1.54E+14	1.40E+14	1.25E+14
ba137m	2.49E+12	2.49E+12	2.48E+12	2.48E+12	2.47E+12	2.47E+12	2.46E+12	2.42E+12	2.21E+12	1.96E+12
ba140	8.28E+14	8.28E+14	7.84E+14	7.03E+14	4.81E+14	1.62E+14	3.61E+12	1.98E+06	0.00E+00	0.00E+00
la140	2.13E+14	2.13E+14	2.09E+14	1.95E+14	1.38E+14	4.67E+13	1.04E+12	5.71E+05	0.00E+00	0.00E+00
la141	7.39E+15	7.39E+15	1.15E+14	2.37E+10	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ce141	1.50E+14	1.50E+14	1.47E+14	1.41E+14	1.22E+14	7.93E+13	1.78E+13	6.23E+10	1.83E-03	2.22E-20

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 23

0 nuclide inhalation hazard, m**3 of air at rcg
basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
pr142	6.72E+12	6.72E+12	2.81E+12	4.94E+11	1.12E+09	3.10E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ce143	9.24E+13	9.24E+13	5.62E+13	2.05E+13	6.02E+11	2.52E+07	1.19E-08	0.00E+00	0.00E+00	0.00E+00
pr143	1.06E+14	1.06E+14	1.05E+14	9.90E+13	7.10E+13	2.56E+13	7.16E+11	9.29E+05	0.00E+00	0.00E+00
ce144	2.54E+15	2.54E+15	2.53E+15	2.52E+15	2.48E+15	2.36E+15	1.99E+15	1.04E+15	2.99E+13	3.52E+11

pr144	1.70E+13	1.70E+13	1.69E+13	1.68E+13	1.65E+13	1.57E+13	1.33E+13	6.96E+12	1.99E+11	2.34E+09
pr145	4.52E+15	4.52E+15	2.83E+14	1.09E+12	3.84E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
nd147	3.89E+13	3.89E+13	3.65E+13	3.22E+13	2.07E+13	5.86E+12	7.05E+10	3.77E+03	0.00E+00	0.00E+00
pm147	4.05E+13	4.05E+13	4.06E+13	4.08E+13	4.11E+13	4.12E+13	3.94E+13	3.25E+13	1.13E+13	3.02E+12
pm148	9.01E+14	9.01E+14	7.92E+14	6.14E+14	2.53E+14	2.42E+13	1.75E+12	2.03E+10	4.55E-01	2.22E-14
pm148m	1.77E+14	1.77E+14	1.74E+14	1.68E+14	1.50E+14	1.07E+14	3.30E+13	3.85E+11	8.61E+00	4.19E-13
pm149	4.05E+13	4.05E+13	3.03E+13	1.62E+13	1.80E+12	3.42E+09	1.02E+00	0.00E+00	0.00E+00	0.00E+00
pm151	1.20E+15	1.20E+15	6.71E+14	2.08E+14	3.44E+12	2.80E+07	4.29E-11	0.00E+00	0.00E+00	0.00E+00
sm153	3.48E+13	3.48E+13	2.43E+13	1.18E+13	9.56E+11	7.22E+08	8.51E-03	0.00E+00	0.00E+00	0.00E+00
eu154	1.34E+14	1.34E+14	1.34E+14	1.34E+14	1.34E+14	1.33E+14	1.31E+14	1.24E+14	8.97E+13	5.99E+13
eu155	3.88E+12	3.88E+12	3.88E+12	3.88E+12	3.87E+12	3.83E+12	3.73E+12	3.35E+12	1.85E+12	8.83E+11
sm156	1.80E+14	1.80E+14	3.07E+13	8.92E+11	3.72E+06	1.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
eu156	1.67E+15	1.67E+15	1.60E+15	1.46E+15	1.06E+15	4.26E+14	1.74E+13	9.62E+07	0.00E+00	0.00E+00
eu157	1.95E+14	1.95E+14	6.57E+13	7.34E+12	3.42E+09	1.04E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tb161	1.13E+13	1.13E+13	1.02E+13	8.35E+12	4.13E+12	5.54E+11	4.90E+08	1.31E-03	0.00E+00	0.00E+00
total	4.28E+16	4.28E+16	2.19E+16	1.80E+16	1.37E+16	9.65E+15	6.72E+15	3.95E+15	1.24E+15	9.23E+14

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles) fission products page 24

0 nuclide ingestion hazard, m**3 of water at rcg

basis = one assembly

	charge	discharge	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
sr 89	8.34E+10	8.34E+10	8.22E+10	8.00E+10	7.27E+10	5.53E+10	2.12E+10	5.57E+08	1.11E+00	1.49E-11
sr 90	9.07E+10	9.07E+10	9.07E+10	9.07E+10	9.07E+10	9.05E+10	9.01E+10	8.85E+10	8.02E+10	7.09E+10
zr 97	3.60E+10	3.60E+10	1.34E+10	1.88E+09	1.91E+06	5.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
mo 99	2.21E+10	2.21E+10	1.72E+10	1.04E+10	1.78E+09	1.14E+07	2.45E-01	0.00E+00	0.00E+00	0.00E+00
ru106	5.46E+10	5.46E+10	5.45E+10	5.43E+10	5.36E+10	5.16E+10	4.53E+10	2.76E+10	1.81E+09	6.00E+07
sb127	1.78E+10	1.78E+10	1.50E+10	1.05E+10	2.97E+09	8.09E+07	2.72E+02	4.92E-19	0.00E+00	0.00E+00
i131	1.66E+12	1.66E+12	1.55E+12	1.32E+12	7.30E+11	1.30E+11	3.12E+08	3.66E-02	0.00E+00	0.00E+00
te132	3.49E+10	3.49E+10	2.83E+10	1.85E+10	4.16E+09	5.91E+07	2.01E+01	0.00E+00	0.00E+00	0.00E+00
i132	8.95E+10	8.95E+10	7.28E+10	4.75E+10	1.07E+10	1.52E+08	5.19E+01	0.00E+00	0.00E+00	0.00E+00
i133	9.73E+11	9.73E+11	4.48E+11	9.06E+10	3.35E+08	3.79E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cs134	1.51E+10	1.51E+10	1.51E+10	1.51E+10	1.50E+10	1.47E+10	1.38E+10	1.08E+10	2.81E+09	5.24E+08
i135	2.36E+11	2.36E+11	1.88E+10	1.19E+08	2.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ba140	4.14E+10	4.14E+10	3.92E+10	3.52E+10	2.40E+10	8.11E+09	1.81E+08	9.92E+01	0.00E+00	0.00E+00
la140	4.27E+10	4.27E+10	4.18E+10	3.90E+10	2.76E+10	9.34E+09	2.08E+08	1.14E+02	0.00E+00	0.00E+00
pr143	1.28E+14	1.28E+14	1.26E+14	1.19E+14	8.52E+13	3.07E+13	8.59E+11	1.12E+06	0.00E+00	0.00E+00
ce144	5.08E+10	5.08E+10	5.06E+10	5.04E+10	4.96E+10	4.72E+10	3.98E+10	2.09E+10	5.98E+08	7.03E+06
pm148	3.00E+10	3.00E+10	2.64E+10	2.05E+10	8.44E+09	8.07E+08	5.83E+07	6.78E+05	1.52E-05	7.39E-19
pm151	3.99E+10	3.99E+10	2.24E+10	6.93E+09	1.15E+08	9.32E+02	1.43E-15	0.00E+00	0.00E+00	0.00E+00
eu156	5.56E+10	5.56E+10	5.33E+10	4.86E+10	3.53E+10	1.42E+10	5.81E+08	3.21E+03	0.00E+00	0.00E+00
total	1.32E+14	1.32E+14	1.29E+14	1.21E+14	8.64E+13	3.12E+13	1.09E+12	1.55E+11	9.08E+10	7.61E+10

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photon spectrum as a function of time for light elements, cladding and structural materials

0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)

0 spectrum of photon release rates, photons/sec

basis = one assembly

0

emean (mev)	initial	time after discharge 1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
1.00E-02	1.82E+15	6.95E+14	3.06E+14	2.10E+14	1.63E+14	8.32E+13	1.89E+13	5.72E+12	2.84E+12
3.00E-02	7.49E+14	4.17E+14	2.87E+14	2.23E+14	1.58E+14	1.00E+14	4.98E+13	7.58E+12	2.17E+12
5.50E-02	3.55E+14	1.22E+14	4.29E+13	2.46E+13	1.90E+13	9.51E+12	1.88E+12	6.37E+11	3.19E+11
8.50E-02	1.86E+14	6.13E+13	1.72E+13	7.52E+12	5.66E+12	2.96E+12	6.39E+11	2.42E+11	1.21E+11
1.20E-01	1.40E+14	5.27E+13	2.19E+13	1.38E+13	9.98E+12	3.86E+12	4.24E+11	1.32E+11	5.98E+10
1.70E-01	3.31E+14	2.33E+14	1.84E+14	1.25E+14	4.80E+13	4.54E+12	1.66E+12	5.65E+11	1.68E+11
3.00E-01	3.12E+14	1.12E+14	5.62E+13	3.94E+13	2.52E+13	6.56E+12	8.14E+11	2.13E+11	6.33E+10
6.50E-01	6.99E+15	4.07E+15	2.87E+15	2.56E+15	2.22E+15	1.23E+15	1.06E+14	4.93E+12	1.30E+12
1.12E+00	5.21E+14	4.40E+14	4.04E+14	3.97E+14	3.93E+14	3.82E+14	3.46E+14	2.04E+14	1.06E+14
1.58E+00	1.39E+14	1.57E+13	3.67E+12	1.61E+12	1.31E+12	6.41E+11	4.50E+10	3.48E+05	5.39E+04

	2.00E+00	1.42E+14	2.31E+12	3.59E+11	6.25E+10	4.04E+10	1.74E+10	2.57E+09	1.09E+09	5.65E+08
	2.40E+00	5.42E+12	1.13E+10	2.71E+09	1.74E+09	5.70E+08	1.06E+08	1.04E+07	3.45E+06	1.79E+06
	2.80E+00	5.05E+12	5.22E+10	4.65E+09	2.92E+07	2.19E+07	9.78E+06	4.61E+05	2.30E-02	1.49E-06
	3.25E+00	9.53E+11	1.35E+09	3.54E+03	5.97E-03	1.41E-06	1.24E-06	7.55E-07	4.98E-08	1.96E-09
	3.75E+00	1.13E+11	2.91E+07	3.01E+06	1.07E+03	1.49E-07	5.46E-10	3.33E-10	2.22E-11	1.11E-12
	4.25E+00	4.10E+10	3.82E+05	3.94E+04	1.40E+01	1.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	4.75E+00	3.74E+10	9.30E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	5.50E+00	6.69E+10	8.03E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0	total	1.17E+16	6.22E+15	4.19E+15	3.60E+15	3.04E+15	1.82E+15	5.26E+14	2.24E+14	1.13E+14
0	mev/sec	5.90E+15	3.28E+15	2.39E+15	2.16E+15	1.91E+15	1.24E+15	4.61E+14	2.34E+14	1.20E+14

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photon spectrum as a function of time for fission products

0 decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
0 spectrum of photon release rates, photons/sec
basis = one assembly

0

emean		time after discharge							
(mev)	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
1.00E-02	9.84E+17	1.26E+17	9.37E+16	6.70E+16	4.71E+16	3.05E+16	1.56E+16	1.75E+15	8.44E+14
3.00E-02	4.40E+17	1.02E+17	7.35E+16	4.24E+16	2.28E+16	1.27E+16	6.36E+15	8.28E+14	4.46E+14
5.50E-02	2.33E+17	3.51E+16	2.43E+16	1.52E+16	1.05E+16	7.03E+15	3.77E+15	4.69E+14	2.27E+14
8.50E-02	1.60E+17	3.05E+16	2.42E+16	1.44E+16	6.95E+15	4.29E+15	2.34E+15	2.69E+14	1.18E+14
1.20E-01	1.29E+17	2.79E+16	1.90E+16	9.16E+15	6.19E+15	4.74E+15	2.64E+15	3.39E+14	1.68E+14
1.70E-01	2.09E+17	3.36E+16	2.60E+16	1.67E+16	1.03E+16	4.20E+15	1.55E+15	1.43E+14	5.67E+13
3.00E-01	4.73E+17	7.34E+16	4.64E+16	2.26E+16	8.14E+15	3.43E+15	1.84E+15	1.71E+14	6.76E+13
6.50E-01	9.35E+17	2.56E+17	1.90E+17	1.34E+17	9.49E+16	5.23E+16	1.69E+16	4.86E+15	2.55E+15
1.12E+00	2.85E+17	2.12E+16	1.34E+16	7.45E+15	3.26E+15	1.27E+15	8.12E+14	2.75E+14	1.57E+14
1.58E+00	1.45E+17	3.48E+16	3.06E+16	2.09E+16	7.19E+15	5.39E+14	2.41E+14	3.87E+13	1.05E+13
2.00E+00	4.26E+16	2.56E+15	1.93E+15	1.23E+15	5.68E+14	1.77E+14	8.71E+13	3.22E+12	8.59E+10
2.40E+00	3.24E+16	1.70E+15	1.50E+15	1.04E+15	3.65E+14	2.68E+13	1.13E+13	7.15E+11	2.33E+10
2.80E+00	1.41E+16	2.88E+13	2.35E+13	1.69E+13	7.92E+12	3.14E+12	1.85E+12	1.19E+11	3.92E+09
3.25E+00	6.12E+15	9.88E+12	9.09E+12	6.59E+12	2.60E+12	5.51E+11	3.08E+11	2.02E+10	6.71E+08
3.75E+00	2.58E+15	3.86E+10	2.68E+08	2.64E+08	2.54E+08	2.23E+08	1.36E+08	8.91E+06	2.96E+05
4.25E+00	2.04E+15	4.65E+09	3.78E+04	2.12E-05	2.13E-05	2.14E-05	2.18E-05	2.30E-05	2.35E-05
4.75E+00	6.16E+14	3.45E+10	2.81E+05	1.07E-05	1.07E-05	1.07E-05	1.09E-05	1.15E-05	1.18E-05
5.50E+00	5.00E+14	2.21E+08	1.80E+03	7.90E-06	7.91E-06	7.96E-06	8.10E-06	8.55E-06	8.73E-06
0 total	4.09E+18	7.45E+17	5.45E+17	3.52E+17	2.18E+17	1.21E+17	5.22E+16	9.14E+15	4.65E+15
0 mev/sec	1.64E+18	2.94E+17	2.22E+17	1.48E+17	8.60E+16	4.04E+16	1.44E+16	3.74E+15	1.95E+15

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0 principal photon sources in group 1, photons/sec
mean energy = 0.0100 mev. nuclides exceeding 5.0E-02 of total group release rate (1.26E+17) at 1.0 d

nuclide	time after discharge								
	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
mo 99	9.22E+15	7.16E+15	4.33E+15	7.40E+14	4.76E+12	1.02E+05	0.00E+00	0.00E+00	0.00E+00
rh106	1.69E+16	1.62E+16	1.61E+16	1.59E+16	1.54E+16	1.35E+16	8.22E+15	5.39E+14	1.79E+13
ba140	7.67E+15	7.26E+15	6.51E+15	4.45E+15	1.50E+15	3.35E+13	1.84E+07	0.00E+00	0.00E+00
la140	9.89E+15	9.70E+15	9.05E+15	6.40E+15	2.17E+15	4.82E+13	2.65E+07	0.00E+00	0.00E+00
pr144	1.30E+16	1.29E+16	1.29E+16	1.26E+16	1.20E+16	1.02E+16	5.33E+15	1.52E+14	1.79E+12

0 principal photon sources in group 2, photons/sec
mean energy = 0.0300 mev. nuclides exceeding 5.0E-02 of total group release rate (1.02E+17) at 1.0 d

nuclide	time after discharge								
	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
rh106	5.64E+15	5.41E+15	5.39E+15	5.32E+15	5.13E+15	4.50E+15	2.74E+15	1.80E+14	5.97E+12
te132	1.78E+16	1.44E+16	9.40E+15	2.12E+15	3.01E+13	1.03E+07	0.00E+00	0.00E+00	0.00E+00
xe133	1.83E+16	1.77E+16	1.46E+16	5.97E+15	4.27E+14	4.08E+10	2.41E-05	0.00E+00	0.00E+00
ba140	6.39E+15	6.06E+15	5.43E+15	3.71E+15	1.25E+15	2.79E+13	1.53E+07	0.00E+00	0.00E+00
ce141	5.76E+15	5.67E+15	5.44E+15	4.68E+15	3.06E+15	6.87E+14	2.40E+12	7.04E-02	8.55E-19
ce143	1.78E+16	1.09E+16	3.96E+15	1.16E+14	4.86E+09	2.30E-06	0.00E+00	0.00E+00	0.00E+00
nd147	5.76E+15	5.41E+15	4.77E+15	3.07E+15	8.68E+14	1.05E+13	5.59E+05	0.00E+00	0.00E+00

principal photon sources in group 3, photons/sec
mean energy = 0.0550 mev. nuclides exceeding 5.0E-02 of total group release rate (3.51E+16) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
	time after discharge								
rh106	3.99E+15	3.83E+15	3.82E+15	3.77E+15	3.63E+15	3.19E+15	1.94E+15	1.27E+14	4.23E+12
te132	3.43E+15	2.77E+15	1.81E+15	4.09E+14	5.80E+12	1.98E+06	0.00E+00	0.00E+00	0.00E+00
la140	2.09E+15	2.04E+15	1.91E+15	1.35E+15	4.57E+14	1.02E+13	5.58E+06	0.00E+00	0.00E+00
ce143	5.08E+15	3.09E+15	1.13E+15	3.31E+13	1.38E+09	6.55E-07	0.00E+00	0.00E+00	0.00E+00
pr144	3.03E+15	3.00E+15	2.99E+15	2.94E+15	2.80E+15	2.36E+15	1.24E+15	3.54E+13	4.17E+11
sm153	6.76E+15	4.72E+15	2.30E+15	1.86E+14	1.40E+11	1.65E+00	0.00E+00	0.00E+00	0.00E+00

principal photon sources in group 4, photons/sec
mean energy = 0.0850 mev. nuclides exceeding 5.0E-02 of total group release rate (3.05E+16) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
	time after discharge								
rh106	2.37E+15	2.28E+15	2.27E+15	2.24E+15	2.16E+15	1.89E+15	1.15E+15	7.57E+13	2.51E+12
xe133	1.29E+16	1.25E+16	1.03E+16	4.22E+15	3.02E+14	2.89E+10	1.70E-05	0.00E+00	0.00E+00
pr144	1.78E+15	1.77E+15	1.76E+15	1.73E+15	1.65E+15	1.39E+15	7.28E+14	2.08E+13	2.45E+11
nd147	3.58E+15	3.36E+15	2.96E+15	1.91E+15	5.39E+14	6.50E+12	3.47E+05	0.00E+00	0.00E+00

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principal photon sources in group 5, photons/sec
mean energy = 0.1200 mev. nuclides exceeding 5.0E-02 of total group release rate (2.79E+16) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
	time after discharge								
tc 99m	1.50E+16	1.27E+16	7.75E+15	1.33E+15	8.53E+12	1.83E+05	0.00E+00	0.00E+00	0.00E+00
rh106	1.71E+15	1.65E+15	1.64E+15	1.62E+15	1.56E+15	1.37E+15	8.34E+14	5.47E+13	1.81E+12
ce144	2.27E+15	2.27E+15	2.26E+15	2.22E+15	2.11E+15	1.78E+15	9.35E+14	2.68E+13	3.15E+11
sm153	3.22E+15	2.25E+15	1.09E+15	8.84E+13	6.67E+10	7.87E-01	0.00E+00	0.00E+00	0.00E+00

principal photon sources in group 6, photons/sec
mean energy = 0.1700 mev. nuclides exceeding 5.0E-02 of total group release rate (3.36E+16) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
	time after discharge								
mo 99	3.25E+15	2.52E+15	1.52E+15	2.61E+14	1.68E+12	3.59E+04	0.00E+00	0.00E+00	0.00E+00
tc 99m	1.06E+16	9.00E+15	5.47E+15	9.36E+14	6.03E+12	1.29E+05	0.00E+00	0.00E+00	0.00E+00
rh106	1.84E+15	1.76E+15	1.76E+15	1.73E+15	1.67E+15	1.47E+15	8.94E+14	5.86E+13	1.94E+12
ba140	1.91E+15	1.81E+15	1.62E+15	1.11E+15	3.74E+14	8.33E+12	4.57E+06	0.00E+00	0.00E+00
ce141	1.14E+16	1.12E+16	1.08E+16	9.27E+15	6.05E+15	1.36E+15	4.75E+12	1.39E-01	1.69E-18

principal photon sources in group 7, photons/sec
mean energy = 0.3000 mev. nuclides exceeding 5.0E-02 of total group release rate (7.34E+16) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
	time after discharge								
rh105	7.14E+15	5.12E+15	2.01E+15	7.46E+13	6.12E+09	3.05E-05	0.00E+00	0.00E+00	0.00E+00
i131	1.93E+16	1.80E+16	1.54E+16	8.51E+15	1.52E+15	3.64E+12	4.26E+02	0.00E+00	0.00E+00
te132	1.73E+16	1.40E+16	9.16E+15	2.07E+15	2.93E+13	9.99E+06	0.00E+00	0.00E+00	0.00E+00
xe135	1.19E+16	7.58E+15	3.07E+14	9.97E+08	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
la140	7.38E+15	7.23E+15	6.75E+15	4.77E+15	1.61E+15	3.59E+13	1.97E+07	0.00E+00	0.00E+00
ce143	1.18E+16	7.16E+15	2.61E+15	7.66E+13	3.20E+09	1.52E-06	0.00E+00	0.00E+00	0.00E+00

principal photon sources in group 8, photons/sec
mean energy = 0.6500 mev. nuclides exceeding 5.0E-02 of total group release rate (2.56E+17) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
	time after discharge								
zr 95	2.85E+16	2.82E+16	2.76E+16	2.56E+16	2.06E+16	9.67E+15	5.47E+14	7.38E+07	1.91E-01
nb 95	2.95E+16	2.95E+16	2.95E+16	2.92E+16	2.74E+16	1.72E+16	1.22E+15	1.68E+08	4.35E-01
ru103	2.66E+16	2.62E+16	2.52E+16	2.23E+16	1.57E+16	4.55E+15	4.21E+13	2.64E+02	2.62E-12
i132	6.98E+16	5.68E+16	3.71E+16	8.37E+15	1.19E+14	4.05E+07	0.00E+00	0.00E+00	0.00E+00
i133	3.02E+16	1.39E+16	2.81E+15	1.04E+13	1.18E+06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
la140	2.37E+16	2.32E+16	2.16E+16	1.53E+16	5.18E+15	1.15E+14	6.33E+07	0.00E+00	0.00E+00

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principal photon sources in group 9, photons/sec
mean energy = 1.1250 mev. nuclides exceeding 5.0E-02 of total group release rate (2.12E+16) at 1.0 d

nuclide	initial
	time after discharge

	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
i132	7.60E+15	6.19E+15	4.04E+15	9.11E+14	1.29E+13	4.40E+06	0.00E+00	0.00E+00	0.00E+00
i135	2.51E+16	1.99E+15	1.26E+13	2.52E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cs136	2.15E+15	2.04E+15	1.83E+15	1.27E+15	4.42E+14	1.11E+13	9.47E+06	0.00E+00	0.00E+00
la140	2.58E+15	2.53E+15	2.36E+15	1.67E+15	5.64E+14	1.26E+13	6.90E+06	0.00E+00	0.00E+00
eu156	3.01E+15	2.88E+15	2.63E+15	1.91E+15	7.68E+14	3.14E+13	1.73E+08	0.00E+00	0.00E+00

0 principal photon sources in group 10, photons/sec
mean energy = 1.5750 mev. nuclides exceeding 5.0E-02 of total group release rate (3.48E+16) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
i132	2.87E+15	2.34E+15	1.53E+15	3.44E+14	4.88E+12	1.66E+06	0.00E+00	0.00E+00	0.00E+00
la140	3.06E+16	3.00E+16	2.80E+16	1.98E+16	6.69E+15	1.49E+14	8.18E+07	0.00E+00	0.00E+00

0 principal photon sources in group 11, photons/sec
mean energy = 2.0000 mev. nuclides exceeding 5.0E-02 of total group release rate (2.56E+15) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
i132	7.38E+14	6.00E+14	3.92E+14	8.84E+13	1.25E+12	4.27E+05	0.00E+00	0.00E+00	0.00E+00
i135	1.87E+15	1.48E+14	9.37E+11	1.88E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
pr144	1.66E+14	1.65E+14	1.64E+14	1.61E+14	1.54E+14	1.30E+14	6.80E+13	1.94E+12	2.29E+10
eu156	1.47E+15	1.41E+15	1.29E+15	9.35E+14	3.75E+14	1.54E+13	8.48E+07	0.00E+00	0.00E+00

0 principal photon sources in group 12, photons/sec
mean energy = 2.4000 mev. nuclides exceeding 5.0E-02 of total group release rate (1.70E+15) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
la140	1.45E+15	1.42E+15	1.33E+15	9.37E+14	3.17E+14	7.06E+12	3.88E+06	0.00E+00	0.00E+00
eu156	1.04E+14	1.00E+14	9.14E+13	6.64E+13	2.66E+13	1.09E+12	6.02E+06	0.00E+00	0.00E+00

0 principal photon sources in group 13, photons/sec
mean energy = 2.8000 mev. nuclides exceeding 5.0E-02 of total group release rate (2.88E+13) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
rh106	3.68E+12	3.54E+12	3.52E+12	3.48E+12	3.35E+12	2.94E+12	1.79E+12	1.18E+11	3.90E+09
ag112	7.04E+12	3.73E+12	7.69E+11	3.04E+09	4.13E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
la140	2.03E+13	1.99E+13	1.86E+13	1.31E+13	4.45E+12	9.90E+10	5.43E+04	0.00E+00	0.00E+00

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0 principal photon sources in group 14, photons/sec
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mean energy = 3.2500 mev. nuclides exceeding 5.0E-02 of total group release rate (9.88E+12) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
rh106	6.34E+11	6.08E+11	6.06E+11	5.98E+11	5.76E+11	5.06E+11	3.08E+11	2.02E+10	6.71E+08
la140	9.26E+12	9.08E+12	8.48E+12	5.99E+12	2.03E+12	4.51E+10	2.48E+04	0.00E+00	0.00E+00

0 principal photon sources in group 15, photons/sec
mean energy = 3.7500 mev. nuclides exceeding 5.0E-02 of total group release rate (3.86E+10) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
rb 88	8.07E+12	2.51E+10	2.04E+05	3.12E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
la142	6.70E+14	1.32E+10	4.01E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0 principal photon sources in group 16, photons/sec
mean energy = 4.2500 mev. nuclides exceeding 5.0E-02 of total group release rate (4.65E+09) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
rb 88	1.50E+12	4.65E+09	3.78E+04	5.80E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0 principal photon sources in group 17, photons/sec
mean energy = 4.7500 mev. nuclides exceeding 5.0E-02 of total group release rate (3.45E+10) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
rb 88	1.11E+13	3.45E+10	2.81E+05	4.30E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0 principal photon sources in group 18, photons/sec
mean energy = 5.5000 mev. nuclides exceeding 5.0E-02 of total group release rate (2.21E+08) at 1.0 d

nuclide	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d

rb 88 7.11E+10 2.21E+08 1.80E+03 2.75E-15 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

photon spectrum as a function of time for heavy metals and their daughters page 31

decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
actinide photon release rates, photons/sec
basis = one assembly

emean (mev)	time after discharge: initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
1.00E-02	5.56E+17	2.80E+17	1.56E+17	2.17E+16	1.14E+15	6.88E+14	2.85E+14	9.54E+13	9.83E+13
3.00E-02	3.55E+16	5.36E+15	2.95E+15	4.14E+14	8.33E+12	5.86E+11	8.36E+11	2.09E+12	3.33E+12
5.50E-02	4.40E+16	9.09E+15	5.48E+15	1.24E+15	1.03E+14	1.00E+13	1.37E+13	3.49E+13	5.64E+13
8.50E-02	2.23E+17	2.66E+16	1.50E+16	2.35E+15	8.25E+13	1.84E+12	1.78E+12	1.75E+12	1.72E+12
1.20E-01	2.26E+17	1.64E+17	9.11E+16	1.19E+16	8.53E+13	2.97E+12	2.86E+12	2.69E+12	2.54E+12
1.70E-01	7.30E+15	8.33E+14	4.79E+14	8.58E+13	4.56E+12	7.32E+10	3.75E+10	2.16E+10	2.11E+10
3.00E-01	1.18E+17	8.49E+16	4.73E+16	6.27E+15	6.03E+13	1.63E+12	1.58E+12	1.48E+12	1.37E+12
6.50E-01	6.93E+15	1.00E+14	5.44E+13	6.51E+12	3.38E+10	1.43E+10	7.25E+09	4.27E+09	4.61E+09
1.12E+00	2.60E+15	1.05E+15	5.46E+14	5.52E+13	8.57E+10	6.23E+09	5.47E+09	4.92E+09	4.69E+09
1.58E+00	9.00E+08	8.95E+08	8.91E+08	8.79E+08	8.47E+08	7.52E+08	5.61E+08	4.26E+08	3.70E+08
2.00E+00	2.58E+06	1.92E+06	1.86E+06	1.86E+06	1.87E+06	1.88E+06	1.95E+06	2.41E+06	2.75E+06
2.40E+00	4.33E+08	4.33E+08	4.31E+08	4.26E+08	4.10E+08	3.63E+08	2.69E+08	1.94E+08	1.60E+08
2.80E+00	2.92E+08	2.93E+08	2.91E+08	2.88E+08	2.79E+08	2.56E+08	2.23E+08	3.41E+08	4.39E+08
3.25E+00	1.55E+08	1.55E+08	1.54E+08	1.52E+08	1.47E+08	1.30E+08	9.63E+07	6.96E+07	5.75E+07
3.75E+00	8.98E+07	8.98E+07	8.95E+07	8.83E+07	8.50E+07	7.53E+07	5.58E+07	4.03E+07	3.33E+07
4.25E+00	5.20E+07	5.20E+07	5.19E+07	5.12E+07	4.93E+07	4.37E+07	3.24E+07	2.34E+07	1.93E+07
4.75E+00	3.02E+07	3.02E+07	3.01E+07	2.97E+07	2.86E+07	2.53E+07	1.88E+07	1.36E+07	1.12E+07
5.50E+00	2.73E+07	2.73E+07	2.72E+07	2.68E+07	2.58E+07	2.29E+07	1.70E+07	1.23E+07	1.01E+07
total	1.22E+18	5.72E+17	3.19E+17	4.40E+16	1.48E+15	7.05E+14	3.05E+14	1.38E+14	1.64E+14
mev/sec	9.93E+16	5.22E+16	2.91E+16	3.89E+15	5.35E+13	8.48E+12	4.61E+12	3.87E+12	5.06E+12

neutron source intensity as a function of time page 32

decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
alpha-n neutron source, neutrons/sec/basis
basis = one assembly

	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
pb210	8.29E-15	8.31E-15	8.36E-15	8.48E-15	8.70E-15	8.89E-15	8.77E-15	8.47E-15	1.05E-14
bi210	2.12E-12	2.12E-12	2.12E-12	2.14E-12	2.20E-12	2.27E-12	2.24E-12	2.16E-12	2.68E-12
bi211	1.33E-04	1.33E-04	1.33E-04	1.35E-04	1.39E-04	1.52E-04	2.13E-04	4.85E-04	7.94E-04
bi212	1.04E+00	1.06E+00	1.05E+00	1.05E+00	1.09E+00	1.28E+00	2.11E+00	7.90E+00	1.21E+01
bi213	3.49E-06	3.48E-06	3.44E-06	3.14E-06	1.95E-06	5.56E-07	4.81E-07	5.07E-07	5.56E-07
bi214	2.49E-10	2.49E-10	2.49E-10	2.50E-10	2.54E-10	2.71E-10	3.41E-10	1.26E-09	4.33E-09
po210	1.60E-06	1.60E-06	1.61E-06	1.65E-06	1.75E-06	2.04E-06	2.55E-06	2.67E-06	3.30E-06
po211	5.26E-07	5.27E-07	5.29E-07	5.34E-07	5.49E-07	6.01E-07	8.42E-07	1.92E-06	3.14E-06
po212	5.34E+00	5.45E+00	5.36E+00	5.38E+00	5.59E+00	6.55E+00	1.08E+01	4.05E+01	6.19E+01
po213	4.60E-04	4.59E-04	4.54E-04	4.14E-04	2.58E-04	7.33E-05	6.35E-05	6.69E-05	7.34E-05
po214	2.74E-04	2.65E-04	2.48E-04	1.97E-04	1.02E-04	1.21E-05	3.04E-06	1.12E-05	3.86E-05
po215	1.88E-04	1.88E-04	1.89E-04	1.91E-04	1.96E-04	2.15E-04	3.01E-04	6.85E-04	1.12E-03
po216	4.16E+00	4.16E+00	4.16E+00	4.20E+00	4.36E+00	5.11E+00	8.45E+00	3.16E+01	4.83E+01
po218	1.06E-06	1.06E-06	1.06E-06	1.06E-06	1.08E-06	1.15E-06	1.45E-06	5.33E-06	1.84E-05
at217	2.98E-04	2.98E-04	2.94E-04	2.68E-04	1.67E-04	4.75E-05	4.11E-05	4.34E-05	4.76E-05
rn218	2.21E-04	2.14E-04	2.00E-04	1.58E-04	8.13E-05	7.88E-06	1.14E-09	0.00E+00	0.00E+00
rn219	1.49E-04	1.50E-04	1.50E-04	1.52E-04	1.56E-04	1.71E-04	2.39E-04	5.44E-04	8.92E-04
rn220	3.30E+00	3.30E+00	3.30E+00	3.32E+00	3.45E+00	4.05E+00	6.69E+00	2.50E+01	3.83E+01
rn222	7.72E-07	7.72E-07	7.72E-07	7.75E-07	7.87E-07	8.37E-07	1.06E-06	3.89E-06	1.34E-05
fr221	2.18E-04	2.17E-04	2.15E-04	1.96E-04	1.22E-04	3.47E-05	3.00E-05	3.16E-05	3.47E-05
fr223	5.99E-11	5.99E-11	6.01E-11	6.07E-11	6.24E-11	6.83E-11	9.04E-11	2.06E-10	3.38E-10

ra222	1.71E-04	1.65E-04	1.55E-04	1.22E-04	6.29E-05	6.10E-06	8.83E-10	6.53E-31	0.00E+00
ra223	8.65E-05	8.66E-05	8.69E-05	8.77E-05	9.01E-05	9.88E-05	1.38E-04	3.15E-04	5.16E-04
ra224	2.33E+00	2.33E+00	2.33E+00	2.35E+00	2.44E+00	2.86E+00	4.73E+00	1.77E+01	2.71E+01
ra226	4.51E-07	4.51E-07	4.52E-07	4.55E-07	4.62E-07	4.90E-07	6.18E-07	2.27E-06	7.84E-06
ac225	1.56E-04	1.56E-04	1.54E-04	1.41E-04	8.77E-05	2.49E-05	2.16E-05	2.27E-05	2.50E-05
ac227	6.74E-07	6.75E-07	6.77E-07	6.83E-07	7.02E-07	7.69E-07	1.02E-06	2.32E-06	3.80E-06
ac228	2.75E-18	2.76E-18	2.76E-18	2.80E-18	2.89E-18	3.22E-18	4.66E-18	1.70E-17	3.97E-17
th226	1.54E-04	1.49E-04	1.40E-04	1.10E-04	5.67E-05	5.50E-06	7.97E-10	5.68E-31	0.00E+00
th227	9.77E-05	9.78E-05	9.81E-05	9.90E-05	1.02E-04	1.11E-04	1.53E-04	3.48E-04	5.70E-04
th228	1.96E+00	1.96E+00	1.97E+00	2.00E+00	2.08E+00	2.40E+00	3.98E+00	1.49E+01	2.28E+01
th229	1.25E-05	1.25E-05	1.25E-05	1.25E-05	1.25E-05	1.25E-05	1.26E-05	1.33E-05	1.46E-05
th230	2.80E-04	2.81E-04	2.81E-04	2.84E-04	2.92E-04	3.20E-04	4.37E-04	1.43E-03	3.47E-03
th232	2.06E-10	2.07E-10	2.07E-10	2.09E-10	2.13E-10	2.29E-10	2.89E-10	6.24E-10	1.05E-09
pa231	9.23E-04	9.25E-04	9.25E-04	9.26E-04	9.26E-04	9.28E-04	9.34E-04	9.67E-04	1.01E-03
u230	1.21E-04	1.17E-04	1.10E-04	8.69E-05	4.46E-05	4.33E-06	6.27E-10	4.48E-31	0.00E+00
u231	4.61E-07	3.91E-07	2.81E-07	8.86E-08	3.27E-09	3.16E-14	3.12E-33	0.00E+00	0.00E+00
u232	5.52E+00	5.53E+00	5.56E+00	5.66E+00	5.94E+00	6.88E+00	1.01E+01	2.00E+01	2.35E+01
u233	1.14E-03	1.15E-03	1.15E-03	1.15E-03	1.16E-03	1.19E-03	1.33E-03	2.07E-03	3.05E-03
u234	1.65E+01	1.66E+01	1.66E+01	1.66E+01	1.68E+01	1.75E+01	2.04E+01	3.74E+01	5.82E+01
u235	2.35E-01	2.35E-01	2.35E-01	2.35E-01	2.35E-01	2.35E-01	2.35E-01	2.36E-01	2.36E-01
u236	2.96E+00	2.96E+00	2.96E+00	2.96E+00	2.96E+00	2.96E+00	2.97E+00	3.01E+00	3.06E+00
u238	4.06E+01	4.06E+01	4.06E+01	4.06E+01	4.06E+01	4.06E+01	4.06E+01	4.06E+01	4.06E+01
np235	1.18E-04	1.18E-04	1.18E-04	1.16E-04	1.12E-04	9.94E-05	6.25E-05	4.85E-06	1.99E-07
np237	3.75E+01	3.76E+01	3.77E+01	3.79E+01	3.81E+01	3.81E+01	3.82E+01	3.92E+01	4.17E+01
pu236	7.01E+02	7.02E+02	7.02E+02	6.99E+02	6.89E+02	6.59E+02	5.54E+02	2.13E+02	6.44E+01
pu237	5.52E-02	5.43E-02	5.27E-02	4.73E-02	3.48E-02	1.19E-02	2.03E-04	3.73E-14	2.52E-26
pu238	2.01E+06	2.01E+06	2.02E+06	2.04E+06	2.09E+06	2.24E+06	2.53E+06	2.59E+06	2.49E+06

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neutron source intensity as a function of time

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
alpha-n neutron source, neutrons/sec/basis
basis = one assembly

	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
pu239	2.74E+05	2.75E+05	2.75E+05	2.76E+05	2.76E+05	2.76E+05	2.76E+05	2.76E+05	2.76E+05
pu240	5.86E+05	5.86E+05	5.86E+05	5.86E+05	5.86E+05	5.86E+05	5.86E+05	5.88E+05	5.91E+05
pu241	3.61E+03	3.61E+03	3.61E+03	3.60E+03	3.59E+03	3.56E+03	3.44E+03	2.83E+03	2.23E+03
pu242	1.77E+03	1.77E+03	1.77E+03	1.77E+03	1.77E+03	1.77E+03	1.77E+03	1.77E+03	1.77E+03
pu244	3.64E-11	3.66E-11	3.70E-11	3.85E-11	4.28E-11	5.77E-11	1.14E-10	4.27E-10	8.17E-10
am239	8.09E-04	2.00E-04	1.22E-05	6.78E-10	4.76E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
am240	1.21E-03	8.75E-04	4.55E-04	4.62E-05	6.68E-08	7.71E-18	0.00E+00	0.00E+00	0.00E+00
am241	4.11E+05	4.12E+05	4.14E+05	4.21E+05	4.41E+05	5.12E+05	7.76E+05	2.07E+06	3.35E+06
am242m	1.68E+02	1.68E+02	1.68E+02	1.68E+02	1.68E+02	1.68E+02	1.67E+02	1.64E+02	1.60E+02
am243	3.89E+04	3.89E+04	3.89E+04	3.89E+04	3.89E+04	3.89E+04	3.89E+04	3.89E+04	3.89E+04
cm241	1.26E-02	1.23E-02	1.18E-02	1.02E-02	6.67E-03	1.52E-03	5.59E-06	2.18E-19	3.82E-36
cm242	1.85E+08	1.84E+08	1.83E+08	1.78E+08	1.63E+08	1.21E+08	3.93E+07	1.29E+05	4.97E+04
cm243	1.22E+05	1.22E+05	1.22E+05	1.22E+05	1.22E+05	1.21E+05	1.19E+05	1.08E+05	9.56E+04
cm244	9.58E+06	9.59E+06	9.59E+06	9.59E+06	9.57E+06	9.50E+06	9.24E+06	7.92E+06	6.54E+06
cm245	1.21E+03	1.21E+03	1.21E+03	1.21E+03	1.21E+03	1.21E+03	1.21E+03	1.21E+03	1.21E+03
cm246	2.90E+02	2.90E+02	2.90E+02	2.90E+02	2.90E+02	2.90E+02	2.90E+02	2.90E+02	2.90E+02
cm247	1.79E-03	1.79E-03	1.79E-03	1.79E-03	1.79E-03	1.79E-03	1.79E-03	1.79E-03	1.79E-03
cm248	1.35E-02	1.35E-02	1.35E-02	1.35E-02	1.35E-02	1.35E-02	1.35E-02	1.35E-02	1.35E-02
cm250	6.00E-10	6.00E-10	6.00E-10	6.00E-10	6.00E-10	6.00E-10	6.00E-10	6.00E-10	6.00E-10
bk249	2.62E-03	2.61E-03	2.60E-03	2.56E-03	2.45E-03	2.11E-03	1.19E-03	5.01E-05	9.60E-07
cf249	1.02E-01	1.03E-01	1.06E-01	1.15E-01	1.41E-01	2.24E-01	4.44E-01	7.11E-01	7.16E-01
cf250	2.32E+00	2.33E+00	2.33E+00	2.33E+00	2.32E+00	2.29E+00	2.21E+00	1.79E+00	1.37E+00
cf251	2.65E-02	2.65E-02	2.65E-02	2.65E-02	2.65E-02	2.65E-02	2.65E-02	2.64E-02	2.63E-02
cf252	6.67E+00	6.66E+00	6.65E+00	6.62E+00	6.53E+00	6.21E+00	5.13E+00	1.80E+00	4.85E-01

	cf253	2.18E-03	2.10E-03	1.94E-03	1.48E-03	6.78E-04	4.45E-05	1.46E-09	0.00E+00	0.00E+00
	cf254	3.02E-07	2.98E-07	2.92E-07	2.69E-07	2.14E-07	9.60E-08	4.60E-09	2.47E-16	2.02E-25
	es253	7.65E-01	7.71E-01	7.78E-01	7.69E-01	6.01E-01	1.11E-01	2.61E-05	1.00E-26	0.00E+00
	es254	1.40E-03	1.40E-03	1.39E-03	1.37E-03	1.30E-03	1.09E-03	5.59E-04	1.42E-05	1.44E-07
	es255	3.26E-05	3.21E-05	3.10E-05	2.74E-05	1.92E-05	5.53E-06	4.95E-08	2.62E-19	2.10E-33
0	total	1.98E+08	1.97E+08	1.96E+08	1.91E+08	1.76E+08	1.35E+08	5.28E+07	1.37E+07	1.34E+07
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neutron source intensity as a function of time

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
spontaneous fission neutron source, neutrons/sec/basis
basis = one assembly

	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
th230	7.19E-09	7.20E-09	7.22E-09	7.29E-09	7.49E-09	8.21E-09	1.12E-08	3.66E-08	8.91E-08
pa231	1.16E-07	1.16E-07	1.16E-07	1.16E-07	1.16E-07	1.16E-07	1.17E-07	1.21E-07	1.26E-07
u232	3.39E-04	3.40E-04	3.42E-04	3.48E-04	3.65E-04	4.23E-04	6.19E-04	1.23E-03	1.45E-03
u234	3.56E-02	3.56E-02	3.57E-02	3.58E-02	3.62E-02	3.77E-02	4.38E-02	8.05E-02	1.25E-01
u235	2.87E-03	2.87E-03	2.87E-03	2.87E-03	2.87E-03	2.87E-03	2.88E-03	2.88E-03	2.89E-03
u236	4.44E-01	4.44E-01	4.44E-01	4.44E-01	4.44E-01	4.44E-01	4.45E-01	4.51E-01	4.59E-01
u237	2.71E-06	2.44E-06	1.99E-06	9.69E-07	1.24E-07	2.24E-10	1.26E-10	1.04E-10	8.15E-11
u238	5.72E+03	5.72E+03	5.72E+03	5.72E+03	5.72E+03	5.72E+03	5.72E+03	5.72E+03	5.72E+03
u239	4.03E-06	1.36E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
np236	2.12E-07	2.12E-07	2.12E-07	2.12E-07	2.12E-07	2.12E-07	2.12E-07	2.12E-07	2.12E-07
np238	1.74E-05	1.25E-05	6.50E-06	6.57E-07	9.90E-10	4.93E-11	4.91E-11	4.82E-11	4.70E-11
np239	8.23E-02	6.17E-02	3.43E-02	4.37E-03	1.25E-05	4.03E-07	4.03E-07	4.03E-07	4.03E-07
pu236	4.75E+01	4.75E+01	4.75E+01	4.73E+01	4.67E+01	4.46E+01	3.75E+01	1.44E+01	4.36E+00
pu238	3.71E+05	3.72E+05	3.73E+05	3.77E+05	3.87E+05	4.14E+05	4.67E+05	4.78E+05	4.60E+05
pu239	1.47E+02	1.47E+02	1.48E+02	1.48E+02	1.48E+02	1.48E+02	1.48E+02	1.48E+02	1.48E+02
pu240	3.89E+06	3.89E+06	3.89E+06	3.89E+06	3.89E+06	3.90E+06	3.90E+06	3.91E+06	3.93E+06
pu241	1.30E+02	1.30E+02	1.30E+02	1.30E+02	1.29E+02	1.28E+02	1.24E+02	1.02E+02	8.01E+01
pu242	1.38E+06	1.38E+06	1.38E+06	1.38E+06	1.38E+06	1.38E+06	1.38E+06	1.38E+06	1.38E+06
pu243	1.57E-02	5.48E-04	6.65E-07	7.73E-14	7.72E-14	7.72E-14	7.72E-14	7.72E-14	7.72E-14
pu244	8.70E-06	8.75E-06	8.85E-06	9.21E-06	1.02E-05	1.38E-05	2.73E-05	1.02E-04	1.95E-04
am241	1.58E+02	1.58E+02	1.59E+02	1.62E+02	1.70E+02	1.97E+02	2.99E+02	7.95E+02	1.29E+03
am242m	8.00E+02	8.00E+02	8.00E+02	8.00E+02	7.99E+02	7.99E+02	7.96E+02	7.80E+02	7.61E+02
am242	3.78E+03	1.34E+03	1.69E+02	9.86E-01	8.68E-01	8.67E-01	8.64E-01	8.47E-01	8.27E-01
am243	1.79E+02	1.79E+02	1.79E+02	1.79E+02	1.79E+02	1.79E+02	1.79E+02	1.79E+02	1.79E+02
am244	3.98E-01	7.66E-02	2.84E-03	2.79E-08	1.38E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
cm242	9.22E+08	9.21E+08	9.14E+08	8.88E+08	8.15E+08	6.05E+08	1.96E+08	6.46E+05	2.48E+05
cm243	2.65E+03	2.65E+03	2.65E+03	2.65E+03	2.64E+03	2.63E+03	2.58E+03	2.34E+03	2.08E+03
cm244	1.25E+09	1.25E+09	1.25E+09	1.25E+09	1.25E+09	1.24E+09	1.20E+09	1.03E+09	8.54E+08
cm245	3.28E+02	3.28E+02	3.28E+02	3.28E+02	3.28E+02	3.28E+02	3.28E+02	3.28E+02	3.28E+02
cm246	1.05E+07	1.05E+07	1.05E+07	1.05E+07	1.05E+07	1.05E+07	1.05E+07	1.04E+07	1.04E+07
cm248	2.21E+05	2.21E+05	2.21E+05	2.21E+05	2.21E+05	2.21E+05	2.21E+05	2.21E+05	2.21E+05
cm250	2.56E-01	2.56E-01	2.56E-01	2.56E-01	2.56E-01	2.56E-01	2.56E-01	2.56E-01	2.56E-01
bk249	1.44E+01	1.44E+01	1.43E+01	1.41E+01	1.35E+01	1.16E+01	6.54E+00	2.76E-01	5.29E-03
cf249	6.20E-02	6.29E-02	6.45E-02	7.02E-02	8.60E-02	1.36E-01	2.70E-01	4.33E-01	4.36E-01
cf250	1.94E+05	1.95E+05	1.95E+05	1.95E+05	1.94E+05	1.92E+05	1.85E+05	1.50E+05	1.15E+05
cf252	2.33E+07	2.33E+07	2.33E+07	2.32E+07	2.28E+07	2.17E+07	1.80E+07	6.30E+06	1.70E+06
cf254	1.30E+04	1.28E+04	1.25E+04	1.16E+04	9.19E+03	4.12E+03	1.97E+02	1.06E-05	8.68E-15
es253	5.70E+00	5.74E+00	5.79E+00	5.72E+00	4.48E+00	8.29E-01	1.94E-04	7.47E-26	0.00E+00
es255	9.39E-02	9.25E-02	8.93E-02	7.88E-02	5.52E-02	1.59E-02	1.43E-04	7.54E-16	6.04E-30
0 total	2.21E+09	2.21E+09	2.21E+09	2.18E+09	2.10E+09	1.88E+09	1.44E+09	1.06E+09	8.72E+08
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0 total	2.41E+09	2.41E+09	2.40E+09	2.37E+09	2.28E+09	2.02E+09	1.49E+09	1.07E+09	8.86E+08
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alpha-n neutron source spectrum as a function of time
(using reaction spectra for uranium dioxide)

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
alpha-n neutron spectra, neutrons/sec/basis
basis = one assembly

	boundaries, mev	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
1	6.43E+00 - 2.00E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	3.00E+00 - 6.43E+00	8.684E+07	8.676E+07	8.619E+07	8.379E+07	7.725E+07	5.829E+07	2.130E+07	3.305E+06	3.194E+06
3	1.85E+00 - 3.00E+00	9.325E+07	9.317E+07	9.258E+07	9.010E+07	8.333E+07	6.373E+07	2.549E+07	7.259E+06	7.124E+06
4	1.40E+00 - 1.85E+00	1.238E+07	1.237E+07	1.230E+07	1.199E+07	1.115E+07	8.727E+06	4.002E+06	1.839E+06	1.814E+06
5	9.00E-01 - 1.40E+00	4.254E+06	4.252E+06	4.229E+06	4.133E+06	3.870E+06	3.110E+06	1.630E+06	9.929E+05	9.825E+05
6	4.00E-01 - 9.00E-01	7.061E+05	7.060E+05	7.030E+05	6.901E+05	6.548E+05	5.525E+05	3.544E+05	2.833E+05	2.808E+05
7	1.00E-01 - 4.00E-01	1.345E+05	1.345E+05	1.339E+05	1.313E+05	1.242E+05	1.036E+05	6.360E+04	4.830E+04	4.769E+04
8	1.70E-02 - 1.00E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	3.00E-03 - 1.70E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	5.50E-04 - 3.00E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	1.00E-04 - 5.50E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	3.00E-05 - 1.00E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	1.00E-05 - 3.00E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	3.05E-06 - 1.00E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
15	1.77E-06 - 3.05E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16	1.30E-06 - 1.77E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
17	1.13E-06 - 1.30E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
18	1.00E-06 - 1.13E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
19	8.00E-07 - 1.00E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
20	4.00E-07 - 8.00E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
21	3.25E-07 - 4.00E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
22	2.25E-07 - 3.25E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
23	1.00E-07 - 2.25E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
24	5.00E-08 - 1.00E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
25	3.00E-08 - 5.00E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
26	1.00E-08 - 3.00E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
27	1.00E-11 - 1.00E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0		1.976E+08	1.974E+08	1.961E+08	1.908E+08	1.764E+08	1.345E+08	5.283E+07	1.373E+07	1.344E+07
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spontaneous fission neutron source spectrum as a function of time

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decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
spontaneous fission neutron spectra, neutrons/sec/basis
basis = one assembly

	boundaries, mev	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
1	6.43E+00 - 2.00E+01	4.187E+07	4.189E+07	4.177E+07	4.124E+07	3.980E+07	3.560E+07	2.707E+07	1.990E+07	1.641E+07
2	3.00E+00 - 6.43E+00	4.631E+08	4.633E+08	4.620E+08	4.562E+08	4.405E+08	3.944E+08	3.008E+08	2.216E+08	1.828E+08
3	1.85E+00 - 3.00E+00	5.024E+08	5.026E+08	5.012E+08	4.949E+08	4.777E+08	4.275E+08	3.256E+08	2.395E+08	1.976E+08
4	1.40E+00 - 1.85E+00	2.878E+08	2.879E+08	2.871E+08	2.835E+08	2.738E+08	2.453E+08	1.875E+08	1.383E+08	1.141E+08
5	9.00E-01 - 1.40E+00	3.945E+08	3.946E+08	3.935E+08	3.886E+08	3.753E+08	3.362E+08	2.568E+08	1.894E+08	1.562E+08
6	4.00E-01 - 9.00E-01	4.356E+08	4.358E+08	4.346E+08	4.291E+08	4.142E+08	3.707E+08	2.824E+08	2.078E+08	1.714E+08
7	1.00E-01 - 4.00E-01	8.560E+07	8.564E+07	8.539E+07	8.432E+07	8.138E+07	7.279E+07	5.536E+07	4.069E+07	3.356E+07
8	1.70E-02 - 1.00E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	3.00E-03 - 1.70E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	5.50E-04 - 3.00E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	1.00E-04 - 5.50E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	3.00E-05 - 1.00E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	1.00E-05 - 3.00E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	3.05E-06 - 1.00E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
15	1.77E-06 - 3.05E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16	1.30E-06 - 1.77E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

17	1.13E-06 - 1.30E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
18	1.00E-06 - 1.13E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
19	8.00E-07 - 1.00E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
20	4.00E-07 - 8.00E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
21	3.25E-07 - 4.00E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
22	2.25E-07 - 3.25E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
23	1.00E-07 - 2.25E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
24	5.00E-08 - 1.00E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
25	3.00E-08 - 5.00E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
26	1.00E-08 - 3.00E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
27	1.00E-11 - 1.00E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0		2.211E+09	2.212E+09	2.205E+09	2.178E+09	2.103E+09	1.882E+09	1.435E+09	1.057E+09	8.721E+08	

1

total (alpha-n plus spon. fission) neutron source spectrum as a function of time
(using reaction spectra for uranium dioxide)

0

decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
neutron spectra, neutrons/sec/basis
basis = one assembly

	boundaries, mev	initial	1.0 d	3.0 d	10.0 d	30.0 d	100.0 d	365.2 d	1826.2 d	3652.5 d
1	6.43E+00 - 2.00E+01	4.187E+07	4.189E+07	4.177E+07	4.124E+07	3.980E+07	3.560E+07	2.707E+07	1.990E+07	1.641E+07
2	3.00E+00 - 6.43E+00	5.500E+08	5.501E+08	5.482E+08	5.400E+08	5.177E+08	4.527E+08	3.221E+08	2.249E+08	1.860E+08
3	1.85E+00 - 3.00E+00	5.956E+08	5.957E+08	5.937E+08	5.850E+08	5.610E+08	4.912E+08	3.510E+08	2.468E+08	2.047E+08
4	1.40E+00 - 1.85E+00	3.001E+08	3.002E+08	2.994E+08	2.955E+08	2.849E+08	2.540E+08	1.915E+08	1.401E+08	1.159E+08
5	9.00E-01 - 1.40E+00	3.987E+08	3.989E+08	3.977E+08	3.927E+08	3.791E+08	3.393E+08	2.585E+08	1.904E+08	1.572E+08
6	4.00E-01 - 9.00E-01	4.363E+08	4.365E+08	4.353E+08	4.298E+08	4.149E+08	3.713E+08	2.827E+08	2.081E+08	1.717E+08
7	1.00E-01 - 4.00E-01	8.574E+07	8.577E+07	8.553E+07	8.445E+07	8.150E+07	7.289E+07	5.542E+07	4.074E+07	3.361E+07
8	1.70E-02 - 1.00E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	3.00E-03 - 1.70E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	5.50E-04 - 3.00E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	1.00E-04 - 5.50E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	3.00E-05 - 1.00E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	1.00E-05 - 3.00E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	3.05E-06 - 1.00E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
15	1.77E-06 - 3.05E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16	1.30E-06 - 1.77E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
17	1.13E-06 - 1.30E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
18	1.00E-06 - 1.13E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
19	8.00E-07 - 1.00E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
20	4.00E-07 - 8.00E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
21	3.25E-07 - 4.00E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
22	2.25E-07 - 3.25E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
23	1.00E-07 - 2.25E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
24	5.00E-08 - 1.00E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
25	3.00E-08 - 5.00E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
26	1.00E-08 - 3.00E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
27	1.00E-11 - 1.00E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0		2.408E+09	2.409E+09	2.402E+09	2.369E+09	2.279E+09	2.017E+09	1.488E+09	1.071E+09	8.855E+08

1

1 * gamma sources determined *

0case applies the following photon data base
master photon library
in binary mode

0 the sources include photons of nuclides for...

light elements
actinides
fission products

1
0
0
0

gamma source spectrum for decay step pwr plutonium burner
1.00 day time of the requested nuclides

energy interval in mev		photons / second	mev / second
1.0000E-02 to	5.0000E-02	2.5692E+17	7.7077E+15
5.0000E-02 to	1.0000E-01	8.3451E+16	6.2588E+15
1.0000E-01 to	2.0000E-01	1.9288E+17	2.8932E+16
2.0000E-01 to	3.0000E-01	1.3097E+17	3.2743E+16
3.0000E-01 to	4.0000E-01	4.2235E+16	1.4782E+16
4.0000E-01 to	6.0000E-01	9.3928E+16	4.6964E+16
6.0000E-01 to	8.0000E-01	1.5192E+17	1.0635E+17
8.0000E-01 to	1.0000E+00	2.7987E+16	2.5188E+16
1.0000E+00 to	1.3300E+00	1.3974E+16	1.6280E+16
1.3300E+00 to	1.6600E+00	3.5948E+16	5.3743E+16
1.6600E+00 to	2.0000E+00	2.0720E+15	3.7917E+15
2.0000E+00 to	2.5000E+00	1.8241E+15	4.1042E+15
2.5000E+00 to	3.0000E+00	1.0502E+15	2.8882E+15
3.0000E+00 to	4.0000E+00	9.2176E+12	3.2262E+13
4.0000E+00 to	5.0000E+00	4.0944E+10	1.8425E+11
5.0000E+00 to	6.5000E+00	2.4400E+08	1.4030E+09
6.5000E+00 to	8.0000E+00	6.3758E+06	4.6225E+07
8.0000E+00 to	1.0000E+01	1.3531E+06	1.2178E+07
totals		1.0352E+18	3.4976E+17

0
0
0
0
1
0
0
0

total energy from nuclides with spectrum data = 3.4929E+17
total energy from nuclides with no spectrum data = 4.7615E+14
gamma source spectrum for decay step pwr plutonium burner
3.00 day time of the requested nuclides

energy interval in mev		photons / second	mev / second
1.0000E-02 to	5.0000E-02	1.6842E+17	5.0526E+15
5.0000E-02 to	1.0000E-01	5.6992E+16	4.2744E+15
1.0000E-01 to	2.0000E-01	1.1842E+17	1.7764E+16
2.0000E-01 to	3.0000E-01	6.9984E+16	1.7496E+16
3.0000E-01 to	4.0000E-01	3.0390E+16	1.0636E+16
4.0000E-01 to	6.0000E-01	7.1699E+16	3.5850E+16
6.0000E-01 to	8.0000E-01	1.0989E+17	7.6921E+16
8.0000E-01 to	1.0000E+00	2.1927E+16	1.9735E+16
1.0000E+00 to	1.3300E+00	8.0929E+15	9.4282E+15
1.3300E+00 to	1.6600E+00	3.2206E+16	4.8148E+16
1.6600E+00 to	2.0000E+00	9.7872E+14	1.7911E+15
2.0000E+00 to	2.5000E+00	1.4936E+15	3.3606E+15
2.5000E+00 to	3.0000E+00	9.7263E+14	2.6747E+15
3.0000E+00 to	4.0000E+00	8.4447E+12	2.9557E+13
4.0000E+00 to	5.0000E+00	8.1245E+07	3.6560E+08
5.0000E+00 to	6.5000E+00	3.2436E+07	1.8651E+08
6.5000E+00 to	8.0000E+00	6.3583E+06	4.6098E+07
8.0000E+00 to	1.0000E+01	1.3494E+06	1.2145E+07
totals		6.9148E+17	2.5316E+17

0
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0
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1
0
0
0

total energy from nuclides with spectrum data = 2.5274E+17
total energy from nuclides with no spectrum data = 4.2418E+14
gamma source spectrum for decay step pwr plutonium burner
10.00 day time of the requested nuclides

energy interval in mev		photons / second	mev / second
1.0000E-02 to	5.0000E-02	7.5764E+16	2.2729E+15
5.0000E-02 to	1.0000E-01	2.5860E+16	1.9395E+15
1.0000E-01 to	2.0000E-01	3.6071E+16	5.4106E+15
2.0000E-01 to	3.0000E-01	1.3626E+16	3.4065E+15

3.0000E-01 to	4.0000E-01	1.5035E+16	5.2621E+15
4.0000E-01 to	6.0000E-01	5.4099E+16	2.7050E+16
6.0000E-01 to	8.0000E-01	7.5702E+16	5.2991E+16
8.0000E-01 to	1.0000E+00	1.3620E+16	1.2258E+16
1.0000E+00 to	1.3300E+00	4.8091E+15	5.6027E+15
1.3300E+00 to	1.6600E+00	2.2007E+16	3.2901E+16
1.6600E+00 to	2.0000E+00	5.1245E+14	9.3779E+14
2.0000E+00 to	2.5000E+00	1.0257E+15	2.3079E+15
2.5000E+00 to	3.0000E+00	6.8508E+14	1.8840E+15
3.0000E+00 to	4.0000E+00	6.1241E+12	2.1434E+13
4.0000E+00 to	5.0000E+00	7.9797E+07	3.5909E+08
5.0000E+00 to	6.5000E+00	3.2002E+07	1.8401E+08
6.5000E+00 to	8.0000E+00	6.2737E+06	4.5485E+07
8.0000E+00 to	1.0000E+01	1.3315E+06	1.1983E+07
totals		3.3882E+17	1.5424E+17

0
0
0
0
1
0
0
0

total energy from nuclides with spectrum data = 1.5395E+17
total energy from nuclides with no spectrum data = 2.9605E+14
gamma source spectrum for decay step pwr plutonium burner
30.00 day time of the requested nuclides

energy interval in mev		photons / second	mev / second
1.0000E-02 to	5.0000E-02	4.0856E+16	1.2257E+15
5.0000E-02 to	1.0000E-01	1.2367E+16	9.2750E+14
1.0000E-01 to	2.0000E-01	1.6831E+16	2.5246E+15
2.0000E-01 to	3.0000E-01	3.0597E+15	7.6492E+14
3.0000E-01 to	4.0000E-01	4.8291E+15	1.6902E+15
4.0000E-01 to	6.0000E-01	3.4422E+16	1.7211E+16
6.0000E-01 to	8.0000E-01	5.9167E+16	4.1417E+16
8.0000E-01 to	1.0000E+00	6.3443E+15	5.7099E+15
1.0000E+00 to	1.3300E+00	2.5004E+15	2.9129E+15
1.3300E+00 to	1.6600E+00	7.6176E+15	1.1388E+16
1.6600E+00 to	2.0000E+00	2.1184E+14	3.8766E+14
2.0000E+00 to	2.5000E+00	4.8125E+14	1.0828E+15
2.5000E+00 to	3.0000E+00	2.3408E+14	6.4372E+14
3.0000E+00 to	4.0000E+00	2.4150E+12	8.4526E+12
4.0000E+00 to	5.0000E+00	7.6755E+07	3.4540E+08
5.0000E+00 to	6.5000E+00	3.0784E+07	1.7701E+08
6.5000E+00 to	8.0000E+00	6.0350E+06	4.3754E+07
8.0000E+00 to	1.0000E+01	1.2808E+06	1.1527E+07
totals		1.8892E+17	8.7894E+16

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1
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0

total energy from nuclides with spectrum data = 8.7785E+16
total energy from nuclides with no spectrum data = 1.0913E+14
gamma source spectrum for decay step pwr plutonium burner
100.00 day time of the requested nuclides

energy interval in mev		photons / second	mev / second
1.0000E-02 to	5.0000E-02	2.4360E+16	7.3080E+14
5.0000E-02 to	1.0000E-01	7.8210E+15	5.8657E+14
1.0000E-01 to	2.0000E-01	8.5563E+15	1.2834E+15
2.0000E-01 to	3.0000E-01	1.9741E+15	4.9352E+14
3.0000E-01 to	4.0000E-01	1.5250E+15	5.3376E+14
4.0000E-01 to	6.0000E-01	1.4653E+16	7.3265E+15
6.0000E-01 to	8.0000E-01	3.5964E+16	2.5175E+16
8.0000E-01 to	1.0000E+00	2.8563E+15	2.5707E+15
1.0000E+00 to	1.3300E+00	1.2414E+15	1.4463E+15
1.3300E+00 to	1.6600E+00	6.1127E+14	9.1385E+14
1.6600E+00 to	2.0000E+00	5.8909E+13	1.0780E+14
2.0000E+00 to	2.5000E+00	1.5365E+14	3.4570E+14

2.5000E+00 to	3.0000E+00	8.8632E+12	2.4374E+13
3.0000E+00 to	4.0000E+00	5.0616E+11	1.7716E+12
4.0000E+00 to	5.0000E+00	6.7967E+07	3.0585E+08
5.0000E+00 to	6.5000E+00	2.7262E+07	1.5676E+08
6.5000E+00 to	8.0000E+00	5.3452E+06	3.8753E+07
8.0000E+00 to	1.0000E+01	1.1345E+06	1.0211E+07
totals		9.9784E+16	4.1540E+16

total energy from nuclides with spectrum data = 4.1531E+16
total energy from nuclides with no spectrum data = 8.9972E+12
gamma source spectrum for decay step pwr plutonium burner
365.25 day time of the requested nuclides

energy interval in mev		photons / second	mev / second
1.0000E-02 to	5.0000E-02	1.2456E+16	3.7369E+14
5.0000E-02 to	1.0000E-01	4.2246E+15	3.1684E+14
1.0000E-01 to	2.0000E-01	3.8803E+15	5.8204E+14
2.0000E-01 to	3.0000E-01	1.0612E+15	2.6530E+14
3.0000E-01 to	4.0000E-01	8.2018E+14	2.8706E+14
4.0000E-01 to	6.0000E-01	6.1222E+15	3.0611E+15
6.0000E-01 to	8.0000E-01	9.1589E+15	6.4112E+15
8.0000E-01 to	1.0000E+00	1.9636E+15	1.7673E+15
1.0000E+00 to	1.3300E+00	8.8852E+14	1.0351E+15
1.3300E+00 to	1.6600E+00	3.0692E+14	4.5884E+14
1.6600E+00 to	2.0000E+00	2.8553E+13	5.2252E+13
2.0000E+00 to	2.5000E+00	7.6609E+13	1.7237E+14
2.5000E+00 to	3.0000E+00	2.2796E+12	6.2689E+12
3.0000E+00 to	4.0000E+00	2.8305E+11	9.9069E+11
4.0000E+00 to	5.0000E+00	5.0381E+07	2.2671E+08
5.0000E+00 to	6.5000E+00	2.0215E+07	1.1624E+08
6.5000E+00 to	8.0000E+00	3.9648E+06	2.8745E+07
8.0000E+00 to	1.0000E+01	8.4170E+05	7.5753E+06
totals		4.0991E+16	1.4790E+16

total energy from nuclides with spectrum data = 1.4789E+16
total energy from nuclides with no spectrum data = 1.5143E+12
gamma source spectrum for decay step pwr plutonium burner
1826.25 day time of the requested nuclides

energy interval in mev		photons / second	mev / second
1.0000E-02 to	5.0000E-02	1.6541E+15	4.9622E+13
5.0000E-02 to	1.0000E-01	4.9151E+14	3.6863E+13
1.0000E-01 to	2.0000E-01	4.3613E+14	6.5420E+13
2.0000E-01 to	3.0000E-01	1.1136E+14	2.7841E+13
3.0000E-01 to	4.0000E-01	6.8479E+13	2.3968E+13
4.0000E-01 to	6.0000E-01	1.0739E+15	5.3695E+14
6.0000E-01 to	8.0000E-01	3.1797E+15	2.2258E+15
8.0000E-01 to	1.0000E+00	5.0301E+14	4.5271E+14
1.0000E+00 to	1.3300E+00	3.6448E+14	4.2461E+14
1.3300E+00 to	1.6600E+00	8.0677E+13	1.2061E+14
1.6600E+00 to	2.0000E+00	1.7605E+12	3.2217E+12
2.0000E+00 to	2.5000E+00	2.8308E+12	6.3693E+12
2.5000E+00 to	3.0000E+00	1.4781E+11	4.0648E+11
3.0000E+00 to	4.0000E+00	1.8652E+10	6.5281E+10
4.0000E+00 to	5.0000E+00	3.6396E+07	1.6378E+08
5.0000E+00 to	6.5000E+00	1.4608E+07	8.3994E+07
6.5000E+00 to	8.0000E+00	2.8656E+06	2.0775E+07
8.0000E+00 to	1.0000E+01	6.0843E+05	5.4759E+06
totals		7.9680E+15	3.9744E+15

total energy from nuclides with spectrum data = 3.9743E+15
total energy from nuclides with no spectrum data = 1.0025E+11
gamma source spectrum for decay step pwr plutonium burner
3652.50 day time of the requested nuclides

energy interval in mev			photons / second	mev / second
1.0000E-02	to	5.0000E-02	8.7517E+14	2.6255E+13
5.0000E-02	to	1.0000E-01	2.4849E+14	1.8637E+13
1.0000E-01	to	2.0000E-01	2.0075E+14	3.0113E+13
2.0000E-01	to	3.0000E-01	4.9130E+13	1.2282E+13
3.0000E-01	to	4.0000E-01	2.4056E+13	8.4195E+12
4.0000E-01	to	6.0000E-01	2.0128E+14	1.0064E+14
6.0000E-01	to	8.0000E-01	2.0956E+15	1.4669E+15
8.0000E-01	to	1.0000E+00	1.4040E+14	1.2636E+14
1.0000E+00	to	1.3300E+00	1.9826E+14	2.3098E+14
1.3300E+00	to	1.6600E+00	3.2164E+13	4.8085E+13
1.6600E+00	to	2.0000E+00	1.1539E+11	2.1116E+11
2.0000E+00	to	2.5000E+00	6.0736E+10	1.3666E+11
2.5000E+00	to	3.0000E+00	5.3068E+09	1.4594E+10
3.0000E+00	to	4.0000E+00	7.0412E+08	2.4644E+09
4.0000E+00	to	5.0000E+00	3.0056E+07	1.3525E+08
5.0000E+00	to	6.5000E+00	1.2063E+07	6.9360E+07
6.5000E+00	to	8.0000E+00	2.3662E+06	1.7155E+07
8.0000E+00	to	1.0000E+01	5.0240E+05	4.5216E+06
totals			4.0655E+15	2.0691E+15

total energy from nuclides with spectrum data = 2.0690E+15
total energy from nuclides with no spectrum data = 3.0159E+10

.results on logical unit no. 71, position 2, for time step 1, subcase 1. (run position 2, case position 2)
title: decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
.results on logical unit no. 71, position 3, for time step 2, subcase 1. (run position 2, case position 2)
title: decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
.results on logical unit no. 71, position 4, for time step 3, subcase 1. (run position 2, case position 2)
title: decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
.results on logical unit no. 71, position 5, for time step 4, subcase 1. (run position 2, case position 2)
title: decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
.results on logical unit no. 71, position 6, for time step 5, subcase 1. (run position 2, case position 2)
title: decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
.results on logical unit no. 71, position 7, for time step 6, subcase 1. (run position 2, case position 2)
title: decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
.results on logical unit no. 71, position 8, for time step 7, subcase 1. (run position 2, case position 2)
title: decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
.results on logical unit no. 71, position 9, for time step 8, subcase 1. (run position 2, case position 2)
title: decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
.terminated logical unit no. 71 with zero flag record.
* normal termination of execution *

table of contents for material tables
case or subcase printed page

Ondset 33 1 1

21	4	1	27	6	0	0	0	0	0
0	0	0	0	0	0	-1	1698	690	130
880	7935	0	5	99	9	19	95	18	18
18	0	71							

35$ array 1 entries read
0t
54$ array 12 entries read
56$ array 20 entries read

```
0    5t
     l90   99062
     l116  62609
     l32   33663 nudata (library) storage size
     l44   33734
     l103  77665
0   60* array      8 entries read
0   61* array      7 entries read
0   65$ array     63 entries read
0   81$ array      6 entries read
0   82$ array      8 entries read
0    6t
     l140  84095
     used   103179 in size   150000
0jopt            12
              0            0            0            0            0            0            0            1            0            0
              0            0
0therm            4
  5.272101E-01 3.663939E-01 2.909014E+00 1.000000E-25
0non              5
           7935           20            6           18         1697
0mmn             19
              0            8            0            0            1            1            0            0            0            0
             21          100           -1            4            3            0            2            0            0
0tconst           5
  8.640000E+04 0.000000E+00 0.000000E+00 0.000000E+00 5.000000E-02
0mzero            4
              0          689          129          879
0pow              3
  0.000000E+00 0.000000E+00 0.000000E+00
0 linp            9
              6            2            0           26            1        18418         1000         1697            5
0 case or subcase    1    decay (1 day, 1 yr. and 5 yrs.) for west. pu burner (3 cycles)
0   56$ array     20 entries read
0    0t
0   56$ array     20 entries read
0    0t
```

Determination of normalization factor for the gamma source.

Gamma source is from the Oak Ridge ORIGEN data received via e-mail, and is for a Westinghouse 17x17 MOX PWR assembly burned for 3 cycles and a cooling time of 3652.5 days (10 years) from the case prim.6.

The normalization factor converts the Attachment I data (photons/second) to ANISN or DORT source input (photons/second cm^3), i.e., $S_{anisn} = S_{origen} \times NF$.

Normalization factor is calculated based upon the whole MPC canister, which contains 21 PWR assemblies. The data from Attachment I is for a single assembly.

Define needed parameters:

Inner radius of the 21 PWR MPC container: $IR := 58.30 \cdot \frac{2.54}{2}$

$IR = 74.041$ cm

Active fuel length of the W17x17 MOX assembly: $AL := 144.0 \cdot 2.54$

$AL = 365.76$ cm

Number of the W17x17 MOX assemblies in MPC: $N := 21$

Normaliztion Factor (NF): $NF := \frac{N}{(\pi \cdot IR^2 \cdot AL)}$

$NF = 3.33372 \cdot 10^{-6}$ cm^{-3}

Rescaling the ORIGENS Gamma Source to the BUGLE-93 Energy Group Structure and Normalizing for ANISN Source													
	1	2	3	4	5			6	7	8	9	10	11
												NF (Att. II) =	3.3337E-06
ORIGENS	Lower	Upper	Delta E	SO	SO/dE	Bugle-93	ORIGENS	Lower	Upper	Delta E'	(SO/dE)*dE'	SO*E'	SO*NF
Group #	E (MeV)	E (MeV)	E (MeV)	gamma/s	gamma/s-MeV	Group #	Group Eq.	E' (MeV)	E' (MeV)	E' (MeV)	gamma/s	MEV/s	gamma/s
18	0.01	0.05	0.04	8.7517E+14	2.1879E+16	20	18 (1/4)	0.01	0.02	0.01	2.1879E+14	3.2819E+12	7.2939E+08
17	0.05	0.10	0.05	2.4849E+14	4.9698E+15	19	18 (1/4)	0.02	0.03	0.01	2.1879E+14	5.4698E+12	7.2939E+08
16	0.10	0.20	0.10	2.0075E+14	2.0075E+15	18	18 (.5)+17 (.2)	0.03	0.06	0.03	4.8728E+14	2.1928E+13	1.6245E+09
15	0.20	0.30	0.10	4.9130E+13	4.9130E+14	17	17 (.8)	0.06	0.10	0.04	1.9879E+14	1.5903E+13	6.6272E+08
14	0.30	0.40	0.10	2.4056E+13	2.4056E+14	16	16	0.10	0.20	0.10	2.0075E+14	3.0113E+13	6.6924E+08
13	0.40	0.60	0.20	2.0128E+14	1.0064E+15	15	14+15	0.20	0.40	0.20	7.3186E+13	2.1956E+13	2.4398E+08
12	0.60	0.80	0.20	2.0956E+15	1.0478E+16	14	13	0.40	0.60	0.20	2.0128E+14	1.0064E+14	6.7101E+08
11	0.80	1.00	0.20	1.4040E+14	7.0200E+14	13	12 (1/2)	0.60	0.70	0.10	1.0478E+15	6.8107E+14	3.4931E+09
10	1.00	1.33	0.33	1.9826E+14	6.0079E+14	12	12 (1/2)	0.70	0.80	0.10	1.0478E+15	7.8585E+14	3.4931E+09
9	1.33	1.66	0.33	3.2164E+13	9.7467E+13	11	11	0.80	1.00	0.20	1.4040E+14	1.2636E+14	4.6805E+08
8	1.66	2.00	0.34	1.1539E+11	3.3938E+11	10	10	1.00	1.50	0.50	2.1483E+14	2.6854E+14	7.1618E+08
7	2.00	2.50	0.50	6.0736E+10	1.2147E+11	9	8+9	1.50	2.00	0.50	1.5710E+13	2.7493E+13	5.2373E+07
6	2.50	3.00	0.50	5.3068E+09	1.0614E+10	8	6+7	2.00	3.00	1.00	6.6043E+10	1.6511E+11	2.2017E+05
5	3.00	4.00	1.00	7.0412E+08	7.0412E+08	7	5	3.00	4.00	1.00	7.0412E+08	2.4644E+09	2.3473E+03
4	4.00	5.00	1.00	3.0056E+07	3.0056E+07	6	4	4.00	5.00	1.00	3.0056E+07	1.3525E+08	1.0020E+02
3	5.00	6.50	1.50	1.2063E+07	8.0420E+06	5	(2+3)(1/3)	5.00	6.00	1.00	8.0420E+06	4.4231E+07	2.6810E+01
2	6.50	8.00	1.50	2.3662E+06	1.5775E+06	4	(2+3)(1/3)	6.00	7.00	1.00	4.8097E+06	3.1263E+07	1.6034E+01
1	8.00	10.00	2.00	5.0240E+05	2.5120E+05	3	(2+3)(1/3)	7.00	8.00	1.00	1.5775E+06	1.1831E+07	5.2588E+00
			Sum:	4.0655E+15		2	1	8.00	10.00	2.00	5.0240E+05	4.5216E+06	1.6749E+00
						1	None	10.00	14.00	4.00	0.0000E+00	0.0000E+00	0.0000E+00
										Sum:	4.0655E+15	2.0888E+15	1.3553E+10

Determination of normalization factor for the neutron source.

Neutron source data is from the Oak Ridge ORIGEN data received via e-mail, and is for a Westinghouse 17x17 MOX PWR assembly burned for 3 cycles and a cooling time of 3652.5 days (10 years) from the case prim.6.

The normalization factor converts the Attachment I data (neutrons/second) to ANISN or DORT source input (neutrons/second cm^3), i.e., $S_{anisn} = S_{origen}$ x NF.

The normalization factor has two components, NF_v and $NF_{subcrit}$. NF_v is calculated based upon the whole MPC canister, which contains 21 PWR assemblies. $NF_{subcrit}$ is the ratio of the total neutron source to the non-fission source neutrons (i.e., $(1/(1-k_{eff}))$). The data from Attachment I is for a single assembly.

Define needed parameters:

Inner radius of the 21 PWR MPC container: $IR := 58.30 \cdot \frac{2.54}{2}$

$IR = 74.041$ cm

Active fuel length of the W17x17 MOX assembly: $AL := 144.0 \cdot 2.54$

$AL = 365.76$ cm

Number of the W17x17 MOX assemblies in MPC: $N := 21$

Multiplication factor for W17x17 MOX assemblies in a 21 MPC: $Keff := 0.35$

Normaliztion Factor, volume conversion (NFv): $NFv := \frac{N}{(\pi \cdot IR^2 \cdot AL)}$

$NFv = 3.33372 \cdot 10^{-6}$ cm^{-3}

Normaliztion Factor, subcritical (NFsc): $NFsc := \frac{1}{(1 - Keff)}$

$NFsc = 1.53846$ cm^{-3}

Normaliztion Factor, (NF): $NF := NFv \cdot NFsc$

$NF = 5.1287946 \cdot 10^{-6}$ cm^{-3}

Rescaling the ORIGENS Neutron Source to the BUGLE-93 Energy Group Structure and Normalizing for ANISN Source

(Using the reference 5.16 Cm-244 spontaneous fission distribution for the ORIGENS group 1)

	1	2	3	4	5			6	7	8	9	10	11
												NF (Att. IV) =	5.1287946E-06
ORIGENS	Lower	Upper	Delta E	SO	SO/dE	Bugle-93	ORIGENS	Lower	Upper	Delta E'	(SO/dE)*dE'	SO*E'	SO*NF
Group #	E (MeV)	E (MeV)	E (MeV)	neutron/s	neutron/s-MeV	Group #	Group Eq.	E' (MeV)	E' (MeV)	E' (MeV)	neutron/s	MEV/s	neutron/s
10 to 27	1.00E-11	0.003	3.00E-03	0.0000E+00	0.0000E+00	28 to 47	Part 8 + (9 to 27)	1.0000E-11	6.7379E-02	6.7379E-02	0.0000E+00	0.0000E+00	0.0000E+00
9	0.003	0.017	1.40E-02	0.0000E+00	0.0000E+00	27	Part 8 + Part 7	6.7379E-02	0.11109	0.04371	1.2424E+06	1.1087E+05	6.3723E+00
8	0.017	0.100	8.30E-02	0.0000E+00	0.0000E+00	26	Part 7	0.11109	0.18316	0.07207	8.0742E+06	1.1879E+06	4.1411E+01
7	0.100	0.400	3.00E-01	3.3610E+07	1.1203E+08	25	Part 7	0.18316	0.29721	0.11405	1.2777E+07	3.0689E+06	6.5533E+01
6	0.400	0.900	5.00E-01	1.7170E+08	3.4340E+08	24	Part 7	0.29721	0.36883	0.07162	8.0238E+06	2.6721E+06	4.1153E+01
5	0.900	1.400	5.00E-01	1.5720E+08	3.1440E+08	23	Part 7 + Part 6	0.36883	0.49787	0.12904	3.7101E+07	1.6078E+07	1.9028E+02
4	1.400	1.850	4.50E-01	1.1590E+08	2.5756E+08	22	Part 6	0.49787	0.60810	0.11023	3.7853E+07	2.0932E+07	1.9414E+02
3	1.850	3.000	1.15E+00	2.0470E+08	1.7800E+08	21	Part 6	0.60810	0.74274	0.13464	4.6235E+07	3.1228E+07	2.3713E+02
2	3.000	6.430	3.43E+00	1.8600E+08	5.4227E+07	20	Part 6	0.74274	0.82085	0.07811	2.6823E+07	2.0970E+07	1.3757E+02
1	6.430	20.000	1.36E+01	1.6410E+07	1.2093E+06	19	Part 6 + Part 5	0.82085	1.00260	0.18175	5.9438E+07	5.4191E+07	3.0484E+02
			Sum:	8.8552E+08		18	Part 5	1.00260	1.35340	0.35080	1.1029E+08	1.2992E+08	5.6566E+02
						17	Part 5 + Part 4	1.35340	1.65300	0.29960	7.9813E+07	1.1997E+08	4.0934E+02
						16	Part 4 + Part 3	1.65300	1.92050	0.26750	6.3287E+07	1.1308E+08	3.2459E+02
						15	Part 3	1.92050	2.23130	0.31080	5.5322E+07	1.1484E+08	2.8374E+02
						14	Part 3	2.23130	2.34570	0.11440	2.0363E+07	4.6601E+07	1.0444E+02
Convert ORIGENS Group 1 Data to Cm244 Spont. Fission Spectrum						13	Part 3	2.34570	2.36530	0.01960	3.4888E+06	8.2179E+06	1.7893E+01
						12	Part 3	2.36530	2.46600	0.10070	1.7925E+07	4.3300E+07	9.1932E+01
Cm244 Sp.	Lower	Upper	Delta E	SO	SO/dE	11	Part 3	2.46600	2.72530	0.25930	4.6155E+07	1.1980E+08	2.3672E+02
Fiss. Grps	E (MeV)	E (MeV)	E (MeV)	neutron/s	neutron/s-MeV	10	Part 3 + Part 2	2.72530	3.01190	0.28660	4.9542E+07	1.4212E+08	2.5409E+02
C9	6.430	6.800	3.70E-01	4.6023E+06	1.2439E+07	9	Part 2	3.01190	3.67880	0.66690	3.6164E+07	1.2098E+08	1.8548E+02
C8	6.800	7.200	4.00E-01	3.1986E+06	7.9966E+06	8	Part 2	3.67880	4.96590	1.28710	6.9796E+07	3.0168E+08	3.5797E+02
C7	7.200	7.600	4.00E-01	2.4160E+06	6.0400E+06	7	Part 2	4.96590	6.06530	1.09940	5.9618E+07	3.2883E+08	3.0577E+02
C6	7.600	8.000	4.00E-01	1.9481E+06	4.8703E+06	6	Part 2+C9+C8+Part C7	6.06530	7.40820	1.34290	2.8835E+07	1.9426E+08	1.4789E+02
C5	8.000	8.800	8.00E-01	2.1863E+06	2.7329E+06	5	Part C7+C6+Part C5	7.40820	8.60710	1.19890	4.7657E+06	3.8162E+07	2.4442E+01
C4	8.800	9.600	8.00E-01	6.3802E+05	7.9753E+05	4	Part C5+C4+Part C3	8.60710	10.00000	1.39290	1.5012E+06	1.3967E+07	7.6995E+00
C3	9.600	10.400	8.00E-01	6.7205E+05	8.4007E+05	3	Part C3+C2+Part C1	10.00000	12.21400	2.21400	9.7248E+05	1.0801E+07	4.9876E+00
C2	10.400	11.200	8.00E-01	4.4236E+05	5.5295E+05	2	Part C1	12.21400	14.19100	1.97700	1.1216E+05	1.4809E+06	5.7527E-01
C1	11.200	12.800	1.60E+00	3.0625E+05	1.9141E+05	1	None	14.19100	17.33200	3.14100	0.0000E+00	0.0000E+00	0.0000E+00
			Sum:	1.6410E+07						Sum:	8.8552E+08	1.9985E+09	4.5417E+03

Cm244 Sp.	Ref. 5.16	Normalized
Fiss. Grps	Spec. Data	Spec. Data
C9	0.00541	0.2804562
C8	0.00376	0.1949196
C7	0.00284	0.1472265
C6	0.00229	0.1187144
C5	0.00257	0.1332297
C4	0.00075	0.0388802
C3	0.00079	0.0409539
C2	0.00052	0.026957
C1	0.00036	0.0186625
Sum:	0.01929	1.000E+00

Determination of the fuel (i.e., source) region number densities to be used in the GIP input deck.

Grams of each isotope for the MOX fuel pellet region is from the Oak Ridge ORIGEN data received via e-mail, and is for a Westinghouse 17x17 MOX PWR assembly burned for 3 cycles and a cooling time of 10 years (Attachment I).

The assembly number density data will be homogenized for 21 PWR MOX assemblies in a MPC.

Define needed parameters:

Nfr := 264	Number of fuel rods in a Westinghouse 17x17 PWR assembly.
Cod := 0.94966	Fuel cladding outer diameter in cm.
Cid := 0.83566	Fuel cladding inner diameter in cm.
Pod := 0.81915	Fuel pellet outer diameter in cm.
Ngi := 25	Number of instrument and guide tubes in the fuel assembly
IGod := 1.22428	Instrument/Guide tube outer diamter in cm.
IGid := 1.1430	Instrument/Guide tube inner diameter in cm.
AL := 144·2.54	Active fuel length, i.e. fuel stack hieght, in cm.
AL = 365.76	
FAwid := 21.4376	Fuel assembly width in cm.
Nassy := 21	Number of fuel assemblies in a MPC.
MPCid := 58.3·2.54	MPC inner diameter in inches converted to cm.
MPCid = 148.082	

Define volumes:

Volume of a single fuel assembly:

$$Vfa := FAwid^2 \cdot AL$$

$$Vfa = 168092.5769497 \quad cm^3$$

Volume of the MPC internal space:

$$Vmpc := \left[\pi \cdot \left(\frac{MPCid}{2}\right)^2\right] \cdot AL$$

$$Vmpc = 6299275.936924 \quad cm^3$$

Define volume fractions:

Volume fraction of fuel pellets in an assembly:

$$VFp := \frac{Nfr \cdot \pi \cdot \left(\frac{Pod}{2}\right)^2 \cdot AL}{FAwid^2 \cdot AL}$$

VFp = 0.302739

Volume fraction of cladding in an assembly (i.e., fuel clad, instrument/guide tubes. Spacer grids are not included and assumed to have a negligible impact on the calc.):

$$VFc := \left[\frac{Nfr \cdot \pi \cdot \left[\left(\frac{Cod}{2}\right)^2 - \left(\frac{Cid}{2}\right)^2\right] \cdot AL}{FAwid^2 \cdot AL}\right] + \left[\frac{Ngi \cdot \pi \cdot \left[\left(\frac{IGod}{2}\right)^2 - \left(\frac{IGid}{2}\right)^2\right] \cdot AL}{FAwid^2 \cdot AL}\right]$$

VFc = 0.100046

Volume fraction of helium in the pellet/clad gap of the fuel rod in an assembly :

$$VFg := \left[\frac{Nfr \cdot \pi \cdot \left[\left(\frac{Cid}{2}\right)^2 - \left(\frac{Pod}{2}\right)^2\right] \cdot AL}{FAwid^2 \cdot AL}\right]$$

VFg = 0.0123264

Volume fraction of void space (i.e., air) an assembly :

$$VFa := 1.0 - VFp - VFc - VFg$$

VFa = 0.5848886

Define conversion factor to change from an assembly number density basis to a MPC number density basis (i.e., the volume fraction of the PWR MOX assemblies within the MPC):

$$NF := \frac{Nassy \cdot Vfa}{Vmpc}$$

NF = 0.560373

Define material element composition and number densities which were calculated in the references for the zirc cladding, helium, and air (all number densities in: #/b-cm) and define the grams of the major isotopes for the fuel pellet region:

Fuel Pellet

$ip := 1 .. 14$

$Gmf_{ip} :=$

O16	62000.0
U234	18.6
U235	296.0
U236	121.0
U238	422000.0
Np237	124.0
Pu238	168.0
Pu239	6540.0
Pu240	3790.0
Pu241	1620.0
Pu242	801.0
Am241	1130.0
Am242m	4.74
Am243	260.0

Zirc Cladding

$iz := 1 .. 5$

$NDz_{iz} :=$

O	$2.9640 \cdot 10^{-4}$
Cr	$7.5982 \cdot 10^{-5}$
Fe	$1.4149 \cdot 10^{-4}$
Zr	$4.2522 \cdot 10^{-2}$
Sn	$4.6601 \cdot 10^{-4}$

He (1 atm)

$NDh := 2.6858 \cdot 10^{-4}$

Air (sea level)

$ia := 1 .. 2$

$NDa_{ia} :=$

N	$4.2149 \cdot 10^{-5}$
O	$9.2249 \cdot 10^{-6}$

Calculate the number densities for the fuel pellets

1) define isotope atomic wieghts and 2) a function to quickly perform the mathmatics:

$ATwt_{ip} :=$

O16	15.99492
U234	234.0409
U235	235.0439
U236	236.0456
U238	238.0508
Np237	237.0481
Pu238	238.0495
Pu239	239.0521
Pu240	240.0539
Pu241	241.0567
Pu242	241.0567
Am241	242.0587
Am242m	241.0567
Am243	242.0595
	243.0614

$$NDfunc(GMS, VOL, ATWT) := \frac{GMS \cdot 0.602252}{VOL \cdot ATWT}$$

List all SNF source region (i.e., a single; homogenized fuel assembly) isotope number densities:

$$NDp_{ip} := NDfunc\left(Gmf_{ip}, Vfa, ATwt_{ip}\right)$$

$NDzr_{iz} := NDz_{iz} \cdot VFc$ $\quad$ $NDhe := NDh \cdot VFg$ $\quad$ $NDair := NDa \cdot VFa$

	NDp_{ip}
O16	$1.3888 \cdot 10^{-2}$
U234	$2.8474 \cdot 10^{-7}$
U235	$4.512 \cdot 10^{-6}$
U236	$1.8366 \cdot 10^{-6}$
U238	$6.3514 \cdot 10^{-3}$
Np237	$1.8742 \cdot 10^{-6}$
Pu238	$2.5286 \cdot 10^{-6}$
Pu239	$9.802 \cdot 10^{-5}$
Pu240	$5.6567 \cdot 10^{-5}$
Pu241	$2.4078 \cdot 10^{-5}$
Pu242	$1.1856 \cdot 10^{-5}$
Am241	$1.6795 \cdot 10^{-5}$
Am242m	$7.0159 \cdot 10^{-8}$
Am243	$3.8325 \cdot 10^{-6}$

	$NDzr_{iz}$
O	$2.9654 \cdot 10^{-5}$
Cr	$7.6017 \cdot 10^{-6}$
Fe	$1.4156 \cdot 10^{-5}$
Zr	$4.2542 \cdot 10^{-3}$
Sn	$4.6622 \cdot 10^{-5}$

$NDhe = 3.3106 \cdot 10^{-6}$

	$NDair_{ia}$
N	$2.4652 \cdot 10^{-5}$
O	$5.3955 \cdot 10^{-6}$

List all MPC source region (i.e., 21 assemblies homogenized over the MPC internal volume) isotope number densities:

$NDpcask_{ip} := NDp_{ip} \cdot NF$ $NDzrcask_{iz} := NDzr_{iz} \cdot NF$

$NDhecask := NDhe \cdot NF$ $NDaircask := NDair \cdot NF$

	$NDpcask_{ip}$
O16	$7.7825 \cdot 10^{-3}$
U234	$1.5956 \cdot 10^{-7}$
U235	$2.5284 \cdot 10^{-6}$
U236	$1.0292 \cdot 10^{-6}$
U238	$3.5592 \cdot 10^{-3}$
Np237	$1.0502 \cdot 10^{-6}$
Pu238	$1.4169 \cdot 10^{-6}$
Pu239	$5.4928 \cdot 10^{-5}$
Pu240	$3.1698 \cdot 10^{-5}$
Pu241	$1.3493 \cdot 10^{-5}$
Pu242	$6.6438 \cdot 10^{-6}$
Am241	$9.4117 \cdot 10^{-6}$
Am242m	$3.9315 \cdot 10^{-8}$
Am243	$2.1477 \cdot 10^{-6}$

	$NDzrcask_{iz}$
O	$1.6617 \cdot 10^{-5}$
Cr	$4.2598 \cdot 10^{-6}$
Fe	$7.9324 \cdot 10^{-6}$
Zr	$2.3839 \cdot 10^{-3}$
Sn	$2.6126 \cdot 10^{-5}$

$NDhecask = 1.8552 \cdot 10^{-6}$

	$NDaircask_{ia}$
N	$1.3815 \cdot 10^{-5}$
O	$3.0235 \cdot 10^{-6}$

Combine the oxygen number densities in order to enter them as a single value:

$NDocask := NDpcask_1 + NDzrcask_1 + NDaircask_2$

$NDocask = 7.8021 \cdot 10^{-3}$

GIP Data Reads From Bugle-93					GIP Mixing Table Entries				
Material	GIP Mat #	13$$ Entry	Table Length		10$$	11$$	12**	Material	ANISN #
Al	1	4R-13	1	Fuel	20R-138	117	1.5956E-07	U234	1-4
Am241	5	4R-21	2			121	2.5284E-06	U235	
Am242m	9	4R-33	3			125	1.0292E-06	U236	
Am243	13	4R-39	4			129	3.5592E-03	U238	
B-10	17	4R-51	5			65	1.0502E-06	Np237	
B-11	21	4R-59	6			81	1.4169E-06	Pu238	
C	25	4R-95	7			85	5.4928E-05	Pu239	
Cr	29	4R-197	8			89	3.1698E-05	Pu240	
Cu	33	4R-221	9			93	1.3493E-05	Pu241	
Fe	37	4R-283	10			97	6.6438E-06	Pu242	
H	41	4R-313	11			5	9.4117E-06	Am241	
He	45	4R-353	12			9	3.9315E-08	Am242m	
Mn	49	4R-435	13			13	2.1477E-06	Am243	
Mo	53	4R-443	14			69	7.8021E-03	O	
N	57	4R-449	15			57	1.3815E-05	N	
Ni	61	4R-479	16			133	2.3838E-03	Zr	
Np237	65	4R-519	17			29	4.2598E-06	Cr	
O	69	4R-537	18			37	7.9324E-06	Fe	
P	73	4R-553	19			109	2.6126E-05	Sn	
Pb	77	4R-585	20			45	1.8552E-06	He	
Pu238	81	4R-603	21	SS316L	10R-142	25	1.1883E-04	C	5-8
Pu239	85	4R-609	22			57	3.3977E-04	N	
Pu240	89	4R-615	23			105	1.2705E-03	Si	
Pu241	93	4R-621	24			73	6.9123E-05	P	
Pu242	97	4R-627	25			101	4.4643E-05	S	
S	101	4R-657	26			29	1.5556E-02	Cr	
Si	105	4R-673	27			49	1.7321E-03	Mn	
Sn	109	4R-681	28			37	5.5840E-02	Fe	
Ti	113	4R-711	29			61	9.7247E-03	Ni	
U234	117	4R-731	30			53	1.2398E-03	Mo	
U235	121	4R-737	31	Alloy 825	11R-146	25	2.0407E-04	C	9-12
U236	125	4R-743	32			1	3.6338E-04	Al	
U238	129	4R-755	33			105	8.7274E-04	Si	
Zr	133	4R-805	34			101	4.5999E-05	S	
Act TBL	137	990	35			113	9.2111E-04	Ti	
			36			29	2.0271E-02	Cr	
			37			49	8.9234E-04	Mn	
			38			37	2.5079E-02	Fe	
			39			61	3.5070E-02	Ni	
			40			33	1.7360E-03	Cu	
			41			53	1.5329E-03	Mo	
			42	A516 Steel	6R-150	25	8.6395E-04	C	13-16
			43			105	4.6184E-04	Si	
			44			73	5.3300E-05	P	
			45			101	5.1635E-05	S	
			46			49	7.7272E-04	Mn	
			47			37	8.3223E-02	Fe	
			48	Air	2R-154	57	4.2148E-05	N	17-20
			49			69	9.2249E-06	O	
			50	Act. TBL.	158	137	1.0000E+00		21
			51	Lead	-159	77	3.2992E-02	Pb	22-25
			52	Borated Poly.	5R-163	41	6.5798E-02	H	26-29
			53			17	5.1426E-04	B-10	
			54			21	2.1307E-03	B-11	
			55			25	2.9152E-02	C	
			56			69	7.9410E-03	O	

```
GIP  BUGLE 93 LV TASK5 21 W17x17 PWR CASK BASIS homog
1$$
/    IGM = Number of groups
           67
/    IHR = Position of total cross section
           3
/    IHS = Position of group-to-group cross section
           4
/    IHM = Cross section table length
           70
/     MS = Mixing table length, Number of 11$ entries
           56
/    MCR = Number of materials to read from 14** array
           0
/    MTP = Number of materials read from BUGLE-93 file, # of 13$ entries * 4
           137
/    MTM = Total number of materials (MCR+MTP+MIXTURES)
           166
/    ITH = 0 = forward solution, 1 = adjoint solution
           0
/   ISCT = Order of scattering expansion
           3
/   IPRT = 0 = print all cross sections,
/          1 = do not print cross sections
/          2 = print mixtures only
           2
/   IOUT = 0 = output mixtures only to file => tape8
/          1 = no file (tape8) output
/          2 = output all materials to file => tape8
           0
/   IDOT = 0 = ANISN output format
/          1 = DOTIII format
/          2 = DOTIV format
           2
/   Skip to end of array
           E
/   Terminate 1$$ array
           T
/
/
/================================================
/  ***  Mixture IDs   ***
/================================================
10$$
/    HOMOGENIZED FUEL
     20R-138
/
/    Stainless Steel 316L
     10R-142
/
/    alloy steel 825
     11R-146
/
/    CARBON STEEL A-516
     6R-150
/
/    Air - 130 F - 760mm - 16.8% RH,
     2R-154
/
/    990 ACTIVITIES
     158
/
/    Lead Shielding Material
     -159
/
/    Borated Polyethelene Shielding Material
     5R-163
/
/============================================================
/    ***  Mixture Components  ***
```

```
/=============================================================
11$$
/    HOMOG FUEL
     117 121 125 129  65  81 85 89  93 97
       5   9  13  69  57 133 29 37 109 45
/
/    SS316L
      25  57 105  73 101  29 49 37  61 53
/
/    ALLOY 825
      25   1 105 101 113  29 49 37  61 33 53
/
/    CARBON STEEL  A-516
      25 105  73 101  49  37
/
/    AIR
      57  69
/
/    990  ACTIVITIES
     137
/
/    Lead Shielding Material
      77
/
/    Borated Poly. Shielding Material
      41  17  21  25  69
/
/
/=========================================================
/    ***   Number Densities and Volume Fractions
/=========================================================
12**
/   HOMOG FUEL
     1.5956-7  2.5284-6  1.0292-6  3.5592-3  1.0502-6
     1.4169-6  5.4928-5  3.1698-5  1.3493-5  6.6438-6
     9.4117-6  3.9315-8  2.1477-6  7.8021-3  1.3815-5
     2.3838-3  4.2598-6  7.9324-6  2.6126-5  1.8552-6
/
/    SS-316L
     1.1883-4  3.3977-4  1.2705-3  6.9123-5  4.4643-5
     1.5556-2  1.7321-3  5.5840-2  9.7247-3  1.2398-3
/
/     ALLOY 825
     2.0407-4  3.6338-4  8.7274-4  4.5999-5  9.2111-4
     2.0271-2  8.9234-4  2.5079-2  3.5070-2  1.7360-3
     1.5329-3
/
/     CARBON STEEL  A-516
     8.6395-4  4.6184-4  5.3300-5  5.1635-5  7.7272-4
     8.3223-2
/
/    AIR
     4.2148-5  9.2249-6
/
/      990  ACTIVITIES
     1.0
/
/    Lead Shielding Material
     3.2992-2
/
/    Borated Poly. Shielding Material
     6.5798-2  5.1426-4  2.1307-3  2.9152-2  7.9410-3
/
/
/=====================================================
/  ***  Materials to be read from BUGLE-93 file  ***
/=====================================================
13$$
   4R-13   4R-21   4R-33   4R-39   4R-51   4R-59   4R-95
  4R-197  4R-221  4R-283  4R-313  4R-353  4R-435  4R-443
```

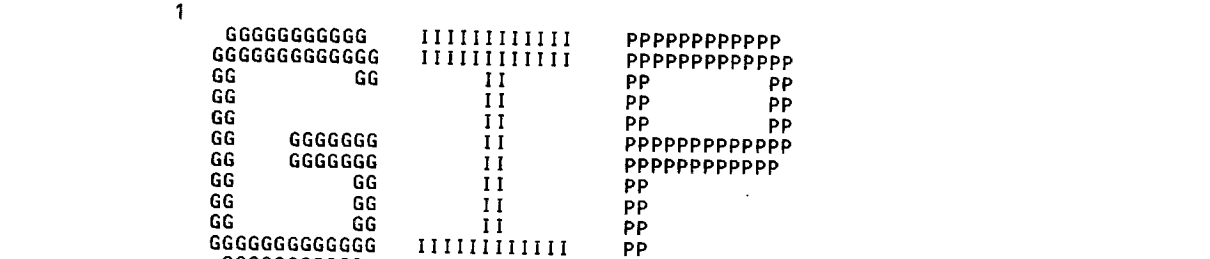
4R-449 4R-479 4R-519 4R-537 4R-553 4R-585 4R-603
4R-609 4R-615 4R-621 4R-627 4R-657 4R-673 4R-681
4R-711 4R-731 4R-737 4R-743 4R-755 4R-805 990
T

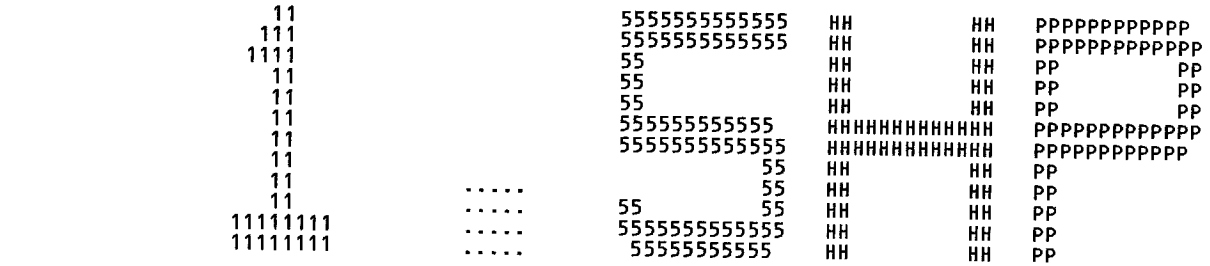
"Version 1.5HP of
GIP has not received the verification analysis required
for certification."

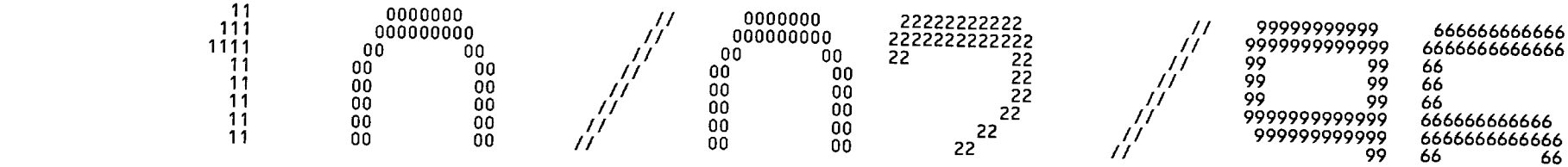
Execution on the following machine produced this output:
HP-9000/Series 730 (BWFC) HP-UX hpw1.ymp.gov E 9000/730 2015518337

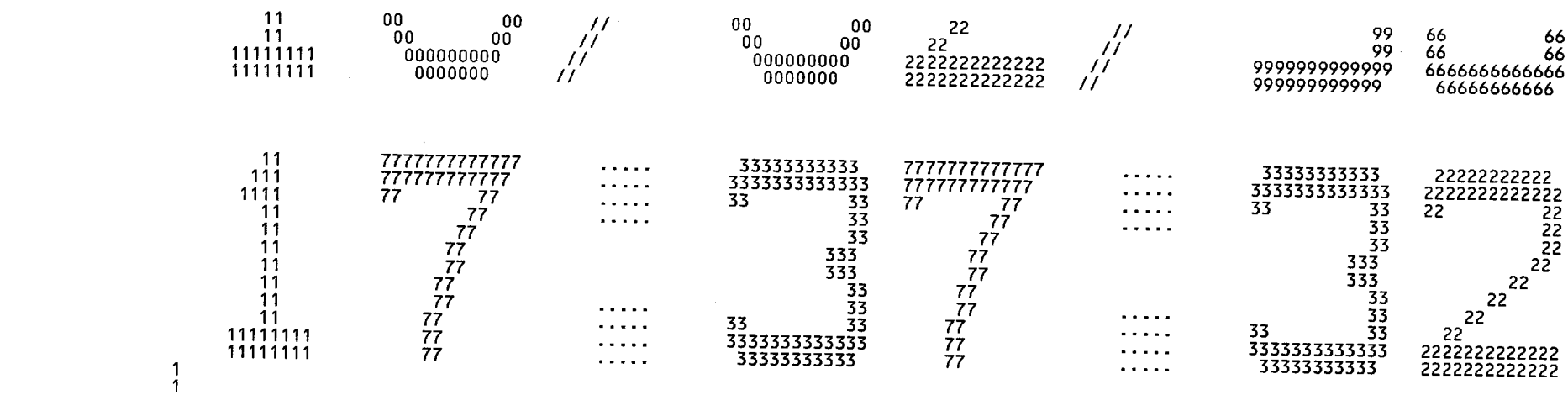
GIP V1.5HP CREATED ON 06/12/92 AT 13:18:07 USED ON 10/02/96 AT 17:37:32

1









CARD IMAGE INPUT LISTING

```
CARD                                                  C O L U M N   N U M B E R
NUMBER          1111111111222222222233333333334444444444555555555566666666667777777778
          12345678901234567890123456789012345678901234567890123456789012345678901234567890

     1    GIP  BUGLE 93 LV TASK5 21 W17x17 PWR CASK BASIS homog
     2    1$$
     3    /     IGM = Number of groups
     4            67
     5    /     IHR = Position of total cross section
     6            3
     7    /     IHS = Position of group-to-group cross section
     8            4
     9    /     IHM = Cross section table length
    10            70
    11    /      MS = Mixing table length, Number of 11$ entries
    12            56
    13    /     MCR = Number of materials to read from 14** array
    14            0
    15    /     MTP = Number of materials read from BUGLE-93 file, # of 13$ entries * 4
    16            137
    17    /     MTM = Total number of materials (MCR+MTP+MIXTURES)
    18            166
    19    /     ITH = 0 = forward solution, 1 = adjoint solution
    20            0
    21    /    ISCT = Order of scattering expansion
    22            3
    23    /    IPRT = 0 = print all cross sections,
    24    /           1 = do not print cross sections
    25    /           2 = print mixtures only
    26            2
    27    /    IOUT = 0 = output mixtures only to file => tape8
    28    /           1 = no file (tape8) output
    29    /           2 = output all materials to file => tape8
    30            0
    31    /    IDOT = 0 = ANISN output format
    32    /           1 = DOTIII format
    33    /           2 = DOTIV format
    34            2
```

```
                        /   Skip to end of array
                        /          E
                        /   Terminate 1$$ array
                        /          T
                        /
                        /
                        /=================================================
                        /  ***  Mixture IDs   ***
                        /=================================================
                        10$$
                        /    HOMOGENIZED FUEL
                             20R-138
                        /
                        /    Stainless Steel 316L
                             10R-142

 CARD                                1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                  12345678901234567890123456789012345678901234567890123456789012345678901234567890
                                                    C O L U M N    N U M B E R
1
      CARD IMAGE INPUT LISTING                      C O L U M N    N U M B E R
 CARD                                1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                  12345678901234567890123456789012345678901234567890123456789012345678901234567890

                        /
                        /    alloy steel 825
                             11R-146
                        /
                        /    CARBON STEEL A-516
                             6R-150
                        /
                        /    Air - 130 F - 760mm - 16.8% RH,
                             2R-154
                        /
                        /    990 ACTIVITIES
                             158
                        /
                        /    Lead Shielding Material
                             -159
                        /
                        /    Borated Polyethelene Shielding Material
                             5R-163
                        /
                        /=================================================================
                        /    ***  Mixture Components  ***
                        /=================================================================
                        11$$
                        /    HOMOG FUEL
                             117 121 125 129  65  81 85 89  93 97
                               5   9  13  69  57 133 29 37 109 45
                        /
                        /    SS316L
                              25  57 105  73 101  29 49 37  61 53
                        /
                        /    ALLOY 825
                              25   1 105 101 113  29 49 37  61 33 53
                        /
                        /    CARBON STEEL  A-516
                              25 105  73 101  49  37
                        /
```

```
                                /    AIR
                                      57  69
                                /
                                /    990  ACTIVITIES
                                      137
                                /
                                /    Lead Shielding Material
                                      77
                                /
                                /    Borated Poly. Shielding Material
                                      41  17  21  25  69
                                /
                                /

 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                          12345678901234567890123456789012345678901234567890123456789012345678901234567890
                                                      C O L U M N    N U M B E R
1
      CARD IMAGE INPUT LISTING                        C O L U M N    N U M B E R
 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                          12345678901234567890123456789012345678901234567890123456789012345678901234567890

                                /=====================================================
                                /    ***   Number Densities and Volume Fractions
                                /=====================================================
                                12**
                                /   HOMOG FUEL
                                     1.5956-7  2.5284-6  1.0292-6  3.5592-3  1.0502-6
                                     1.4169-6  5.4928-5  3.1698-5  1.3493-5  6.6438-6
                                     9.4117-6  3.9315-8  2.1477-6  7.8021-3  1.3815-5
                                     2.3838-3  4.2598-6  7.9324-6  2.6126-5  1.8552-6
                                /
                                /    SS-316L
                                     1.1883-4  3.3977-4  1.2705-3  6.9123-5  4.4643-5
                                     1.5556-2  1.7321-3  5.5840-2  9.7247-3  1.2398-3
                                /
                                /     ALLOY 825
                                     2.0407-4  3.6338-4  8.7274-4  4.5999-5  9.2111-4
                                     2.0271-2  8.9234-4  2.5079-2  3.5070-2  1.7360-3
                                     1.5329-3
                                /
                                /     CARBON STEEL  A-516
                                     8.6395-4  4.6184-4  5.3300-5  5.1635-5  7.7272-4
                                     8.3223-2
                                /
                                /    AIR
                                     4.2148-5  9.2249-6
                                /
                                /      990  ACTIVITIES
                                     1.0
                                /
                                /    Lead Shielding Material
                                     3.2992-2
                                /
                                /    Borated Poly. Shielding Material
                                     6.5798-2  5.1426-4  2.1307-3  2.9152-2  7.9410-3
                                /
                                /
                                /=====================================================
                                /  ***  Materials to be read from BUGLE-93 file  ***
```

```
            137                        /=================================================
            138                        13$$
            139                          4R-13   4R-21   4R-33   4R-39   4R-51   4R-59   4R-95
            140                         4R-197  4R-221  4R-283  4R-313  4R-353  4R-435  4R-443
            141                         4R-449  4R-479  4R-519  4R-537  4R-553  4R-585  4R-603
            142                         4R-609  4R-615  4R-621  4R-627  4R-657  4R-673  4R-681
            143                         4R-711  4R-731  4R-737  4R-743  4R-755  4R-805  990
            144                              T

             CARD                                  1111111111222222222233333333344444444455555555556666666666777777777 8
            NUMBER                     12345678901234567890123456789012345678901234567890123456789012345678901234567890
                                                                  C O L U M N   N U M B E R


        ********************************** E N D   O F   I N P U T   L I S T I N G **********************************
1
1 GROUP INPUT PROGRAM - - -
 GIP  BUGLE 93 LV TASK5 21 W17x17 PWR CASK BASIS homog
                                       /    IGM = Number of groups
                                       /    IHR = Position of total cross section
                                       /    IHS = Position of group-to-group cross section
                                       /    IHM = Cross section table length
                                       /     MS = Mixing table length, Number of 11$ entries
                                       /    MCR = Number of materials to read from 14** array
                                       /    MTP = Number of materials read from BUGLE-93 file, # of 13$ entries * 4
                                       /    MTM = Total number of materials (MCR+MTP+MIXTURES)
                                       /    ITH = 0 = forward solution, 1 = adjoint solution
                                       /   ISCT = Order of scattering expansion
                                       /   IPRT = 0 = print all cross sections,
                                       /          1 = do not print cross sections
                                       /          2 = print mixtures only
                                       /   IOUT = 0 = output mixtures only to file => tape8
                                       /          1 = no file (tape8) output
                                       /          2 = output all materials to file => tape8
                                       /   IDOT = 0 = ANISN output format
                                       /          1 = DOTIII format
                                       /          2 = DOTIV format
                                       /   Skip to end of array
                                       /   Terminate 1$$ array
0    1$ ARRAY     21 ENTRIES READ
0    0T
  IGM  NO. OF GROUPS                                67
  IHT  SIGMA(T) POSITION                             3
  IHS  SIGMA(G--G) POSITION                          4
  IHM  TABLE LENGTH                                 70
  MS   MIXING TABLE LENGTH                          56
0 MCR  NO. OF MATERIALS FROM CARDS                   0
  MTP  NO. OF MATERIALS FROM LIB. TAPE             137
  MTM  NO. OF MATERIALS (MCR+MTP+MIXTURES)         166
  ITH  0=DIRECT SOLUTION, 1=ADJOINT                  0
  ISCT ORDER OF SCATTERING EXPANSION                 3
0 IPRT 0=PRINT ALL, 1=NO PRINT, 2=PRINT MIXTURES     2
  IOUT 0=MIXT. ONLY, 1=NONE, 2=OUTPUT ALL MATLS      0
  IDOT 0=ANISN OUTPUT, 1=DOTIII, 2=DOTIV             2
  NBUF NO. K-BYTES BUFFER SPACE (DEFAULT=60)        60
0 12426 WORDS MEMORY REQUIRED VS. AVAILABLE 47000
0             LIBRARY RECORD LENGTH =    4690,     EXTENDED TABLE LENGTH =      70
```

```
                    4 GROUPS    2 THROUGH    5 GO ON TAPE    4
                   62 GROUPS,   6 THROUGH   67 GO ON TAPE    1

                                /
                                /
                                /================================================
                                /  ***  Mixture IDs   ***
                                /================================================
                                /    HOMOGENIZED FUEL
                                /
                                /    Stainless Steel 316L
                                /
                                /    alloy steel 825
                                /
                                /    CARBON STEEL A-516
                                /
                                /    Air - 130 F - 760mm - 16.8% RH,
                                /
                                /    990 ACTIVITIES
                                /
                                /    Lead Shielding Material
                                /
                                /    Borated Polyethelene Shielding Material
                                /
                                /================================================================
                                /    ***  Mixture Components  ***
                                /================================================================
0   10$ ARRAY     56 ENTRIES READ
                                /    HOMOG FUEL
                                /
                                /    SS316L
                                /
                                /    ALLOY 825
                                /
                                /    CARBON STEEL  A-516
                                /
                                /    AIR
                                /
                                /    990  ACTIVITIES
                                /
                                /    Lead Shielding Material
                                /
                                /    Borated Poly. Shielding Material
                                /
                                /
                                /=======================================================
                                /    ***   Number Densities and Volume Fractions
                                /=======================================================
0   11$ ARRAY     56 ENTRIES READ
                                /   HOMOG FUEL
                                /
                                /    SS-316L
                                /
                                /     ALLOY 825
                                /
                                /     CARBON STEEL  A-516
                                /
                                /    AIR
                                /
```

```
                                        /      990  ACTIVITIES
                                        /
                                        /    Lead Shielding Material
                                        /
                                        /    Borated Poly. Shielding Material
                                        /
                                        /
                                        /================================================
                                        /  ***  Materials to be read from BUGLE-93 file  ***
                                        /================================================
0    12* ARRAY     56 ENTRIES READ
0    13$ ARRAY    137 ENTRIES READ
0     0T
0     I  MATERIAL     COMPONENT   MULTIPLIER    TAPE ID      MIX CODE
           (10$)        (11$)        (12*)       (13$)       ( 7$)
      1    -138          117     1.59560E-07      -13           1
      2    -138          121     2.52840E-06      -13           2
      3    -138          125     1.02920E-06      -13           3
      4    -138          129     3.55920E-03      -13           4
      5    -138           65     1.05020E-06      -21           5
      6    -138           81     1.41690E-06      -21           6
      7    -138           85     5.49280E-05      -21           7
      8    -138           89     3.16980E-05      -21           8
      9    -138           93     1.34930E-05      -33           9
     10    -138           97     6.64380E-06      -33          10
     11    -138            5     9.41170E-06      -33          11
     12    -138            9     3.93150E-08      -33          12
     13    -138           13     2.14770E-06      -39          13
     14    -138           69     7.80210E-03      -39          14
     15    -138           57     1.38150E-05      -39          15
     16    -138          133     2.38380E-03      -39          16
     17    -138           29     4.25980E-06      -51          17
     18    -138           37     7.93240E-06      -51          18
     19    -138          109     2.61260E-05      -51          19
     20    -138           45     1.85520E-06      -51          20
     21    -142           25     1.18830E-04      -59          21
     22    -142           57     3.39770E-04      -59          22
     23    -142          105     1.27050E-03      -59          23
     24    -142           73     6.91230E-05      -59          24
     25    -142          101     4.46430E-05      -95          25
     26    -142           29     1.55560E-02      -95          26
     27    -142           49     1.73210E-03      -95          27
     28    -142           37     5.58400E-02      -95          28
     29    -142           61     9.72470E-03     -197          29
     30    -142           53     1.23980E-03     -197          30
     31    -146           25     2.04070E-04     -197          31
     32    -146            1     3.63380E-04     -197          32
     33    -146          105     8.72740E-04     -221          33
     34    -146          101     4.59990E-05     -221          34
     35    -146          113     9.21110E-04     -221          35
     36    -146           29     2.02710E-02     -221          36
     37    -146           49     8.92340E-04     -283          37
     38    -146           37     2.50790E-02     -283          38
     39    -146           61     3.50700E-02     -283          39
     40    -146           33     1.73600E-03     -283          40
     41    -146           53     1.53290E-03     -313          41
     42    -150           25     8.63950E-04     -313          42
     43    -150          105     4.61840E-04     -313          43
     44    -150           73     5.33000E-05     -313          44
     45    -150          101     5.16350E-05     -353          45
```

46	-150	49	7.72720E-04	-353	46
47	-150	37	8.32230E-02	-353	47
48	-154	57	4.21480E-05	-353	48
49	-154	69	9.22490E-06	-435	49
50	158	137	1.00000E+00	-435	50
51	-159	77	3.29920E-02	-435	51
52	-163	41	6.57980E-02	-435	52
53	-163	17	5.14260E-04	-443	53
54	-163	21	2.13070E-03	-443	54
55	-163	25	2.91520E-02	-443	55
56	-163	69	7.94100E-03	-443	56
57				-449	57
58				-449	58
59				-449	59
60				-449	60
61				-479	61
62				-479	62
63				-479	63
64				-479	64
65				-519	65
66				-519	66
67				-519	67
68				-519	68
69				-537	69
70				-537	70
71				-537	71
72				-537	72
73				-553	73
74				-553	74
75				-553	75
76				-553	76
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79				-585	79
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81				-603	81
82				-603	82
83				-603	83
84				-603	84
85				-609	85
86				-609	86
87				-609	87
88				-609	88
89				-615	89
90				-615	90
91				-615	91
92				-615	92
93				-621	93
94				-621	94
95				-621	95
96				-621	96
97				-627	97
98				-627	98
99				-627	99
100				-627	100
101				-657	101
102				-657	102
103				-657	103
104				-657	104
105				-673	105

106	-673	106
107	-673	107
108	-673	108
109	-681	109
110	-681	110
111	-681	111
112	-681	112
113	-711	113
114	-711	114
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116	-711	116
117	-731	117
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119	-731	119
120	-731	120
121	-737	121
122	-737	122
123	-737	123
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125	-743	125
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127	-743	127
128	-743	128
129	-755	129
130	-755	130
131	-755	131
132	-755	132
133	-805	133
134	-805	134
135	-805	135
136	-805	136
137	990	137
138		138
139		139
140		140
141		141
142		142
143		143
144		144
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154		154
155		155
156		156
157		157
158		158
159		159
160		160
161		161
162		162
163		163
164		164
165		165

166

166

0 MATL	TAPE ID	MIX CODE
1	13	1
2	14	2
3	15	3
4	16	4
5	21	5
6	22	6
7	23	7
8	24	8
9	33	9
10	34	10
11	35	11
12	36	12
13	39	13
14	40	14
15	41	15
16	42	16
17	51	17
18	52	18
19	53	19
20	54	20
21	59	21
22	60	22
23	61	23
24	62	24
25	95	25
26	96	26
27	97	27
28	98	28
29	197	29
30	198	30
31	199	31
32	200	32
33	221	33
34	222	34
35	223	35
36	224	36
37	283	37
38	284	38
39	285	39
40	286	40
41	313	41
42	314	42
43	315	43
44	316	44
45	353	45
46	354	46
47	355	47
48	356	48
49	435	49
50	436	50
51	437	51
52	438	52
53	443	53
54	444	54
55	445	55
56	446	56
57	449	57
58	450	58

59	451	59
60	452	60
61	479	61
62	480	62
63	481	63
64	482	64
65	519	65
66	520	66
67	521	67
68	522	68
69	537	69
70	538	70
71	539	71
72	540	72
73	553	73
74	554	74
75	555	75
76	556	76
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92	618	92
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96	624	96
97	627	97
98	628	98
99	629	99
100	630	100
101	657	101
102	658	102
103	659	103
104	660	104
105	673	105
106	674	106
107	675	107
108	676	108
109	681	109
110	682	110
111	683	111
112	684	112
113	711	113
114	712	114
115	713	115
116	714	116
117	731	117
118	732	118

119	733	119
120	734	120
121	737	121
122	738	122
123	739	123
124	740	124
125	743	125
126	744	126
127	745	127
128	746	128
129	755	129
130	756	130
131	757	131
132	758	132
133	805	133
134	806	134
135	807	135
136	808	136
137	990	137
138	0	138
139	0	139
140	0	140
141	0	141
142	0	142
143	0	143
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158	0	158
159	0	159
160	0	160
161	0	161
162	0	162
163	0	163
164	0	164
165	0	165
166	0	166

0 ELEMENTS FROM LIBRARY TAPE

0 MATL	ID	TITLE		
1	13	p0	al27	v91.94 standard wgt e601325b93vb630
2	14	p1	al27	
3	15	p2	al27	
4	16	p3	al27	
5	21	p0	am241	v91.94 standard wgt e629543b93vb630
6	22	p1	am241	
7	23	p2	am241	
8	24	p3	am241	
9	33	p0	am242m	v91.94 standard wgt e629547b93vb630
10	34	p1	am242m	

11	35	p2	am242m	
12	36	p3	am242m	
13	39	p0	am243	v91.94 standard wgt e619549b93vb630
14	40	p1	am243	
15	41	p2	am243	
16	42	p3	am243	
17	51	p0	b10	v91.94 standard wgt e620525b93vb630
18	52	p1	b10	
19	53	p2	b10	
20	54	p3	b10	
21	59	p0	b11	v91.94 standard wgt e610528b93vb630
22	60	p1	b11	
23	61	p2	b11	
24	62	p3	b11	
25	95	p0	c	v91.94 standard wgt e620600b93vb630
26	96	p1	c	
27	97	p2	c	
28	98	p3	c	
29	197	p0	cr52	v91.94 standard wgt e622431b93vb630
30	198	p1	cr52	
31	199	p2	cr52	
32	200	p3	cr52	
33	221	p0	cu63	v91.94 standard wgt e632925b93vb630
34	222	p1	cu63	
35	223	p2	cu63	
36	224	p3	cu63	
37	283	p0	fe56	v91.94 standard wgt e622631b93vb630
38	284	p1	fe56	
39	285	p2	fe56	
40	286	p3	fe56	
41	313	p0	h1(h2o)	v91.94 standard wgt e620125b93vb630
42	314	p1	h1(h2o)	
43	315	p2	h1(h2o)	
44	316	p3	h1(h2o)	
45	353	p0	he4	v91.94 standard wgt e600228b93vb630
46	354	p1	he4	
47	355	p2	he4	
48	356	p3	he4	
49	435	p0	mn55	v91.94 standard wgt e612525b93vb630
50	436	p1	mn55	
51	437	p2	mn55	
52	438	p3	mn55	
53	443	p0	mo	v91.94 standard wgt e604200b93vb630
54	444	p1	mo	
55	445	p2	mo	
56	446	p3	mo	
57	449	p0	n14	v91.94 standard wgt e620725b93vb630
58	450	p1	n14	
59	451	p2	n14	
60	452	p3	n14	
61	479	p0	ni58	v91.94 standard wgt e622825b93vb630
62	480	p1	ni58	
63	481	p2	ni58	
64	482	p3	ni58	
65	519	p0	np237	v91.94 standard wgt e629346b93vb630
66	520	p1	np237	
67	521	p2	np237	
68	522	p3	np237	
69	537	p0	o16	v91.94 standard wgt e610825b93vb630
70	538	p1	o16	

71	539	p2	o16	
72	540	p3	o16	
73	553	p0	p31	v91.94 standard wgt e601525b93vb630
74	554	p1	p31	
75	555	p2	p31	
76	556	p3	p31	
77	585	p0	pb208	v91.94 standard wgt e618237b93vb630
78	586	p1	pb208	
79	587	p2	pb208	
80	588	p3	pb208	
81	603	p0	pu238	v91.94 standard wgt e619434b93vb630
82	604	p1	pu238	
83	605	p2	pu238	
84	606	p3	pu238	
85	609	p0	pu239	v91.94 standard wgt e629437b93vb630
86	610	p1	pu239	
87	611	p2	pu239	
88	612	p3	pu239	
89	615	p0	pu240	v91.94 standard wgt e639440b93vb630
90	616	p1	pu240	
91	617	p2	pu240	
92	618	p3	pu240	
93	621	p0	pu241	v91.94 standard wgt e629443b93vb630
94	622	p1	pu241	
95	623	p2	pu241	
96	624	p3	pu241	
97	627	p0	pu242	v91.94 standard wgt e619446b93vb630
98	628	p1	pu242	
99	629	p2	pu242	
100	630	p3	pu242	
101	657	p0	s	v91.94 standard wgt e601600b93vb630
102	658	p1	s	
103	659	p2	s	
104	660	p3	s	
105	673	p0	si	v91.94 standard wgt e601400b93vb630
106	674	p1	si	
107	675	p2	si	
108	676	p3	si	
109	681	p0	sn(nat)	v91.94 standard wgt l007850b93vb630
110	682	p1	sn(nat)	
111	683	p2	sn(nat)	
112	684	p3	sn(nat)	
113	711	p0	ti	v91.94 standard wgt e602200b93vb630
114	712	p1	ti	
115	713	p2	ti	
116	714	p3	ti	
117	731	p0	u234	v91.94 standard wgt e619225b93vb630
118	732	p1	u234	
119	733	p2	u234	
120	734	p3	u234	
121	737	p0	u235	v91.94 standard wgt e639228b93vb630
122	738	p1	u235	
123	739	p2	u235	
124	740	p3	u235	
125	743	p0	u236	v91.94 standard wgt e619231b93vb630
126	744	p1	u236	
127	745	p2	u236	
128	746	p3	u236	
129	755	p0	u238	v91.94 standard wgt e639237b93vb630
130	756	p1	u238	

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      131       757       p2  u238
      132       758       p3  u238
      133       805       p0  zr      v91.94 standard wgt e624000b93vb630
      134       806       p1  zr
      135       807       p2  zr
      136       808       p3  zr
      137       990      HEATING RESPONSE PLUS FLUXS AND DOSE RATES 11/85
0     * * * ALL CROSS SECTIONS HAVE BEEN READ FROM CARDS AND LIBRARY TAPE  9, 1 GROUP SORTED DIRECTLY TO TAPE  3
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  1 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  2
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  2 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  1
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  1 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  2
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  2 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  1
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  1 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  2
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  2 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  1
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  1 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  2
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  2 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  1
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  1 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  2
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  2 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  1
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  1 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  2
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * * 1 GROUP HAS BEEN SORTED FROM  3 TO  2 A NEW COREFULL TO  4, THE BALANCE, IF ANY, TO  1
0     * * *     4 GROUPS HAVE BEEN MOVED FROM TAPE  4 TO TAPE  3


0     * * *     2 GROUPS HAVE BEEN MOVED FROM TAPE  1 TO TAPE  3
```

1
0

I	MATERIAL (10$)	COMPONENT (11$)	MULTIPLIER (12*)	TAPE ID (13$)
1	138	117	.15956E-06	731
2	139	118	.15956E-06	732
3	140	119	.15956E-06	733
4	141	120	.15956E-06	734
5	138	121	.25284E-05	737
6	139	122	.25284E-05	738
7	140	123	.25284E-05	739
8	141	124	.25284E-05	740
9	138	125	.10292E-05	743
10	139	126	.10292E-05	744
11	140	127	.10292E-05	745
12	141	128	.10292E-05	746
13	138	129	.35592E-02	755
14	139	130	.35592E-02	756
15	140	131	.35592E-02	757
16	141	132	.35592E-02	758
17	138	65	.10502E-05	519
18	139	66	.10502E-05	520
19	140	67	.10502E-05	521
20	141	68	.10502E-05	522
21	138	81	.14169E-05	603
22	139	82	.14169E-05	604
23	140	83	.14169E-05	605
24	141	84	.14169E-05	606
25	138	85	.54928E-04	609
26	139	86	.54928E-04	610
27	140	87	.54928E-04	611
28	141	88	.54928E-04	612
29	138	89	.31698E-04	615
30	139	90	.31698E-04	616
31	140	91	.31698E-04	617
32	141	92	.31698E-04	618
33	138	93	.13493E-04	621
34	139	94	.13493E-04	622
35	140	95	.13493E-04	623
36	141	96	.13493E-04	624
37	138	97	.66438E-05	627
38	139	98	.66438E-05	628
39	140	99	.66438E-05	629
40	141	100	.66438E-05	630
41	138	5	.94117E-05	21
42	139	6	.94117E-05	22
43	140	7	.94117E-05	23
44	141	8	.94117E-05	24
45	138	9	.39315E-07	33
46	139	10	.39315E-07	34
47	140	11	.39315E-07	35
48	141	12	.39315E-07	36
49	138	13	.21477E-05	39
50	139	14	.21477E-05	40
51	140	15	.21477E-05	41
52	141	16	.21477E-05	42
53	138	69	.78021E-02	537
54	139	70	.78021E-02	538

55	140	71	.78021E-02	539
56	141	72	.78021E-02	540
57	138	57	.13815E-04	449
58	139	58	.13815E-04	450
59	140	59	.13815E-04	451
60	141	60	.13815E-04	452
61	138	133	.23838E-02	805
62	139	134	.23838E-02	806
63	140	135	.23838E-02	807
64	141	136	.23838E-02	808
65	138	29	.42598E-05	197
66	139	30	.42598E-05	198
67	140	31	.42598E-05	199
68	141	32	.42598E-05	200
69	138	37	.79324E-05	283
70	139	38	.79324E-05	284
71	140	39	.79324E-05	285
72	141	40	.79324E-05	286
73	138	109	.26126E-04	681
74	139	110	.26126E-04	682
75	140	111	.26126E-04	683
76	141	112	.26126E-04	684
77	138	45	.18552E-05	353
78	139	46	.18552E-05	354
79	140	47	.18552E-05	355
80	141	48	.18552E-05	356
81	142	25	.11883E-03	95
82	143	26	.11883E-03	96
83	144	27	.11883E-03	97
84	145	28	.11883E-03	98
85	142	57	.33977E-03	449
86	143	58	.33977E-03	450
87	144	59	.33977E-03	451
88	145	60	.33977E-03	452
89	142	105	.12705E-02	673
90	143	106	.12705E-02	674
91	144	107	.12705E-02	675
92	145	108	.12705E-02	676
93	142	73	.69123E-04	553
94	143	74	.69123E-04	554
95	144	75	.69123E-04	555
96	145	76	.69123E-04	556
97	142	101	.44643E-04	657
98	143	102	.44643E-04	658
99	144	103	.44643E-04	659
100	145	104	.44643E-04	660
101	142	29	.15556E-01	197
102	143	30	.15556E-01	198
103	144	31	.15556E-01	199
104	145	32	.15556E-01	200
105	142	49	.17321E-02	435
106	143	50	.17321E-02	436
107	144	51	.17321E-02	437
108	145	52	.17321E-02	438
109	142	37	.55840E-01	283
110	143	38	.55840E-01	284
111	144	39	.55840E-01	285
112	145	40	.55840E-01	286
113	142	61	.97247E-02	479
114	143	62	.97247E-02	480

115	144	63	.97247E-02	481
116	145	64	.97247E-02	482
117	142	53	.12398E-02	443
118	143	54	.12398E-02	444
119	144	55	.12398E-02	445
120	145	56	.12398E-02	446
121	146	25	.20407E-03	95
122	147	26	.20407E-03	96
123	148	27	.20407E-03	97
124	149	28	.20407E-03	98
125	146	1	.36338E-03	13
126	147	2	.36338E-03	14
127	148	3	.36338E-03	15
128	149	4	.36338E-03	16
129	146	105	.87274E-03	673
130	147	106	.87274E-03	674
131	148	107	.87274E-03	675
132	149	108	.87274E-03	676
133	146	101	.45999E-04	657
134	147	102	.45999E-04	658
135	148	103	.45999E-04	659
136	149	104	.45999E-04	660
137	146	113	.92111E-03	711
138	147	114	.92111E-03	712
139	148	115	.92111E-03	713
140	149	116	.92111E-03	714
141	146	29	.20271E-01	197
142	147	30	.20271E-01	198
143	148	31	.20271E-01	199
144	149	32	.20271E-01	200
145	146	49	.89234E-03	435
146	147	50	.89234E-03	436
147	148	51	.89234E-03	437
148	149	52	.89234E-03	438
149	146	37	.25079E-01	283
150	147	38	.25079E-01	284
151	148	39	.25079E-01	285
152	149	40	.25079E-01	286
153	146	61	.35070E-01	479
154	147	62	.35070E-01	480
155	148	63	.35070E-01	481
156	149	64	.35070E-01	482
157	146	33	.17360E-02	221
158	147	34	.17360E-02	222
159	148	35	.17360E-02	223
160	149	36	.17360E-02	224
161	146	53	.15329E-02	443
162	147	54	.15329E-02	444
163	148	55	.15329E-02	445
164	149	56	.15329E-02	446
165	150	25	.86395E-03	95
166	151	26	.86395E-03	96
167	152	27	.86395E-03	97
168	153	28	.86395E-03	98
169	150	105	.46184E-03	673
170	151	106	.46184E-03	674
171	152	107	.46184E-03	675
172	153	108	.46184E-03	676
173	150	73	.53300E-04	553
174	151	74	.53300E-04	554

175	152	75	.53300E-04	555
176	153	76	.53300E-04	556
177	150	101	.51635E-04	657
178	151	102	.51635E-04	658
179	152	103	.51635E-04	659
180	153	104	.51635E-04	660
181	150	49	.77272E-03	435
182	151	50	.77272E-03	436
183	152	51	.77272E-03	437
184	153	52	.77272E-03	438
185	150	37	.83223E-01	283
186	151	38	.83223E-01	284
187	152	39	.83223E-01	285
188	153	40	.83223E-01	286
189	154	57	.42148E-04	449
190	155	58	.42148E-04	450
191	156	59	.42148E-04	451
192	157	60	.42148E-04	452
193	154	69	.92249E-05	537
194	155	70	.92249E-05	538
195	156	71	.92249E-05	539
196	157	72	.92249E-05	540
197	158	137	.10000E+01	990
198	159	77	.32992E-01	585
199	160	78	.32992E-01	586
200	161	79	.32992E-01	587
201	162	80	.32992E-01	588
202	163	41	.65798E-01	313
203	164	42	.65798E-01	314
204	165	43	.65798E-01	315
205	166	44	.65798E-01	316
206	163	17	.51426E-03	51
207	164	18	.51426E-03	52
208	165	19	.51426E-03	53
209	166	20	.51426E-03	54
210	163	21	.21307E-02	59
211	164	22	.21307E-02	60
212	165	23	.21307E-02	61
213	166	24	.21307E-02	62
214	163	25	.29152E-01	95
215	164	26	.29152E-01	96
216	165	27	.29152E-01	97
217	166	28	.29152E-01	98
218	163	69	.79410E-02	537
219	164	70	.79410E-02	538
220	165	71	.79410E-02	539
221	166	72	.79410E-02	540

0 CROSS SECTIONS FOR GRP. 1

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	6.10725E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.43310E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	2.14229E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.40186E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.11616E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.26166E-02	6.02932E-02	8.67697E-02	1.03404E-01	9.06094E-02	2.29473E-01	3.21049E-01	3.79118E-01
5	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
6 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.98070E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.26809E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.16883E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.09876E-01	0.00000E+00	0.00000E+00	0.00000E+00

4	9.29045E-02	2.36265E-01	3.35407E-01	3.97782E-01	9.01850E-02	2.26730E-01	3.14179E-01	3.70484E-01
5	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
6 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.09514E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.94075E-04	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	8.18187E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.85804E-01	0.00000E+00	0.00000E+00
4	3.36486E-05	8.84140E-05	1.17269E-04	1.24919E-04	1.00000E+00	1.01315E-01	2.58357E-01	3.52948E-01
5	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.12600E-04	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8 SAME AS ABOVE								
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.26470E-14	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.74500E-14	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.72570E-14	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.21920E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.18520E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93310E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.69310E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07280E-13	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.79810E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.14170E-14	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.90400E-15	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00730E-13	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.09300E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.47700E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.38940E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.08720E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.26470E-14	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.74500E-14	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.72570E-14	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.21920E-14	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.18520E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93310E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.69310E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07280E-13	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.79810E-14	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.14170E-14	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.90400E-15	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00730E-13	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	3.54707E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	9.95358E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	4.00127E-01	2.82671E-02	7.53884E-02	1.01530E-01	1.07773E-01
5	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
6 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 2

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	5.75465E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.75165E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	1.72159E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.36560E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.29905E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.09073E-02	5.48373E-02	7.75523E-02	9.09606E-02	1.03492E-01	2.66223E-01	3.78440E-01	4.38984E-01
5	2.84269E-03	2.32399E-03	-3.81496E-04	-1.20502E-04	1.08545E-02	6.25245E-03	5.85516E-03	4.01640E-03
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16

1	2.84718E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.38160E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.35885E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.28676E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.06696E-01	2.76356E-01	3.96977E-01	4.62366E-01	1.03873E-01	2.65270E-01	3.74597E-01	4.32829E-01
5	1.05528E-02	6.18116E-03	6.71216E-03	4.26941E-03	1.13735E-02	5.97594E-03	5.49268E-03	4.06310E-03
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.17430E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	7.89993E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	8.06669E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.77639E-01	0.00000E+00	0.00000E+00
4	3.11205E-05	8.20903E-05	1.08688E-04	1.13819E-04	1.00000E+00	9.37468E-02	2.22864E-01	2.82930E-01
5	1.25953E-05	1.33688E-05	-2.38222E-06	-8.56473E-07	1.00000E+00	3.03302E-03	2.99577E-03	1.32882E-03
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.92720E-04	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8 SAME AS ABOVE								
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.08590E-14	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.09660E-14	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.07840E-14	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.79940E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.38060E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.47770E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.75130E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.82510E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.07230E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.12690E-14	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.93270E-15	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.44470E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.94820E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.75370E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.21800E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.42470E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.08590E-14	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.09660E-14	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.07840E-14	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.79940E-14	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.38060E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.47770E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.75130E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.82510E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.07230E-14	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.12690E-14	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.93270E-15	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.44470E-14	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	4.45962E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.04949E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.03823E-01	2.48171E-02	6.69814E-02	9.16042E-02	9.78641E-02
5	-8.99428E-04	1.40886E-02	2.57822E-02	2.28252E-02	2.43509E-02
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 3

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	5.75038E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.61456E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	1.51657E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.30846E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.53779E-01	0.00000E+00	0.00000E+00	0.00000E+00

4	2.02671E-02	5.05604E-02	6.94626E-02	8.12188E-02	1.26365E-01	3.27012E-01	4.65308E-01	5.22428E-01
5	3.57298E-03	1.48552E-03	-1.07531E-03	2.47724E-05	1.21000E-02	7.25775E-03	9.68338E-03	5.80530E-03
6	6.97930E-04	-2.84584E-04	5.14136E-04	-2.16643E-04	4.40417E-03	1.66110E-03	1.36781E-03	-7.67666E-05
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	3.14698E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.04358E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.59294E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.54084E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.28034E-01	3.30776E-01	4.73217E-01	5.32245E-01	1.29073E-01	3.34564E-01	4.74428E-01	5.30947E-01
5	1.22656E-02	6.96555E-03	1.05993E-02	5.76765E-03	1.22209E-02	7.39851E-03	9.60478E-03	6.20787E-03
6	4.27760E-03	2.03107E-03	1.35538E-03	7.06525E-06	4.28490E-03	1.19462E-03	1.47084E-03	-8.02202E-05
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.28024E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	6.04974E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.30176E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.72175E-01	0.00000E+00	0.00000E+00
4	2.50224E-05	6.20809E-05	7.70808E-05	8.05704E-05	1.00000E+00	9.06455E-02	2.00974E-01	2.48984E-01
5	1.68956E-05	8.40665E-06	-8.35885E-06	3.00129E-06	1.00000E+00	3.77033E-03	2.78459E-03	3.91912E-04
6	2.68579E-06	-2.15468E-06	2.82225E-06	7.30345E-07	0.00000E+00	3.30679E-03	3.17179E-03	1.63050E-03
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.59900E-04	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8	SAME AS ABOVE							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.76160E-14	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.96750E-14	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.94690E-14	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.60540E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.76270E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24520E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.55390E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.79630E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.69570E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.57850E-14	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.74690E-15	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.92470E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.55660E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.63000E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.74030E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.63850E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.76160E-14	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.96750E-14	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.94690E-14	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.60540E-14	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.76270E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24520E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.55390E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.79630E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.69570E-14	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.57850E-14	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.74690E-15	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.92470E-14	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	5.15497E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.10107E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.75048E-01	2.44111E-02	6.42019E-02	8.51821E-02	8.97498E-02
5	-1.77708E-03	1.92404E-02	3.00908E-02	2.94187E-02	4.02772E-02
6	2.58077E-04	1.02796E-02	1.44729E-02	2.29965E-02	1.50385E-02

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     7  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
     8 THROUGH   70 SAME AS ABOVE
0 CROSS SECTIONS FOR GRP.   4

0 POS.    MAT.  1      MAT.  2      MAT.  3      MAT.  4      MAT.  5      MAT.  6      MAT.  7      MAT.  8
     1  5.69522E-03  0.00000E+00  0.00000E+00  0.00000E+00  1.40522E-02  0.00000E+00  0.00000E+00  0.00000E+00
     2  1.43856E-02  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
     3  4.23236E-02  0.00000E+00  0.00000E+00  0.00000E+00  2.73059E-01  0.00000E+00  0.00000E+00  0.00000E+00
     4  1.95118E-02  4.83619E-02  6.68073E-02  7.75747E-02  1.43182E-01  3.72302E-01  5.22363E-01  5.68390E-01
     5  3.33821E-03 -1.57179E-05 -1.02426E-03  8.53626E-04  1.10571E-02  7.66064E-03  1.19336E-02  5.75912E-03
     6  5.65757E-04 -2.51485E-04  4.87013E-04 -3.95675E-04  3.19056E-03  9.70253E-04  7.33231E-04 -4.87427E-05
     7  4.09980E-04  3.83338E-04  2.85661E-04  1.61096E-04  3.70911E-03  1.75743E-03  1.22031E-03 -2.17234E-05
     8  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
     9 THROUGH   70 SAME AS ABOVE
0 POS.    MAT.  9      MAT. 10      MAT. 11      MAT. 12      MAT. 13      MAT. 14      MAT. 15      MAT. 16
     1  3.10737E-02  0.00000E+00  0.00000E+00  0.00000E+00  7.62499E-03  0.00000E+00  0.00000E+00  0.00000E+00
     2  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
     3  2.78861E-01  0.00000E+00  0.00000E+00  0.00000E+00  2.72916E-01  0.00000E+00  0.00000E+00  0.00000E+00
     4  1.43459E-01  3.71057E-01  5.22678E-01  5.70005E-01  1.45918E-01  3.81343E-01  5.33568E-01  5.79109E-01
     5  1.08279E-02  7.09523E-03  1.24525E-02  5.33850E-03  1.14277E-02  8.40274E-03  1.21120E-02  6.26488E-03
     6  3.16835E-03  1.25975E-03  6.74696E-04  1.17912E-05  3.04860E-03  6.86640E-04  8.14309E-04  5.12904E-05
     7  3.40831E-03  1.81497E-03  9.53671E-04 -1.83520E-05  3.85964E-03  1.68066E-03  1.45197E-03 -4.80154E-05
     8  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
     9 THROUGH   70 SAME AS ABOVE
0 POS.    MAT. 17      MAT. 18      MAT. 19      MAT. 20      MAT. 21      MAT. 22      MAT. 23      MAT. 24
     1  1.03118E-05  0.00000E+00  0.00000E+00  0.00000E+00  1.00000E+00  4.90525E-05  0.00000E+00  0.00000E+00
     2  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
     3  6.54765E-05  0.00000E+00  0.00000E+00  0.00000E+00  1.00000E+00  1.75372E-01  0.00000E+00  0.00000E+00
     4  2.09990E-05  5.35396E-05  6.66839E-05  6.48783E-05  1.00000E+00  9.19487E-02  1.98820E-01  2.55431E-01
     5  1.43414E-05  2.77007E-06 -1.02280E-05  2.27806E-06  1.00000E+00  2.60472E-03  9.86560E-04 -3.19524E-04
     6  2.32053E-06 -4.13560E-06  6.46623E-06 -4.80077E-06  0.00000E+00  2.36793E-03  1.81261E-03  7.22888E-04
     7  1.54327E-06  2.06679E-06  1.08604E-06  2.42910E-07  1.47060E-04  2.28176E-03  1.76817E-03  6.81714E-04
     8  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.47060E-04  0.00000E+00  0.00000E+00  0.00000E+00
     9  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.40470E-14  0.00000E+00  0.00000E+00  0.00000E+00
    10  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.13560E-14  0.00000E+00  0.00000E+00  0.00000E+00
    11  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.11780E-14  0.00000E+00  0.00000E+00  0.00000E+00
    12  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.77870E-14  0.00000E+00  0.00000E+00  0.00000E+00
    13  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  4.37990E-14  0.00000E+00  0.00000E+00  0.00000E+00
    14  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.21620E-13  0.00000E+00  0.00000E+00  0.00000E+00
    15  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.84140E-14  0.00000E+00  0.00000E+00  0.00000E+00
    16  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  3.09060E-14  0.00000E+00  0.00000E+00  0.00000E+00
    17  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  7.35300E-14  0.00000E+00  0.00000E+00  0.00000E+00
    18  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  5.46450E-14  0.00000E+00  0.00000E+00  0.00000E+00
    19  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.82560E-15  0.00000E+00  0.00000E+00  0.00000E+00
    20  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  3.78560E-14  0.00000E+00  0.00000E+00  0.00000E+00
    21  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    22  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  5.22980E-03  0.00000E+00  0.00000E+00  0.00000E+00
    23  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.88030E-03  0.00000E+00  0.00000E+00  0.00000E+00
    24  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.26240E-02  0.00000E+00  0.00000E+00  0.00000E+00
    25  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.40470E-14  0.00000E+00  0.00000E+00  0.00000E+00
    26  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.13560E-14  0.00000E+00  0.00000E+00  0.00000E+00
    27  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.11780E-14  0.00000E+00  0.00000E+00  0.00000E+00
    28  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.77870E-14  0.00000E+00  0.00000E+00  0.00000E+00
    29  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  4.37990E-14  0.00000E+00  0.00000E+00  0.00000E+00
    30  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.21620E-13  0.00000E+00  0.00000E+00  0.00000E+00
    31  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.84140E-14  0.00000E+00  0.00000E+00  0.00000E+00
    32  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  3.09060E-14  0.00000E+00  0.00000E+00  0.00000E+00
    33  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  7.35300E-14  0.00000E+00  0.00000E+00  0.00000E+00
    34  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  5.46450E-14  0.00000E+00  0.00000E+00  0.00000E+00
    35  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  2.82560E-15  0.00000E+00  0.00000E+00  0.00000E+00
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36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.78560E-14	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	7.23631E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.14569E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.01174E-01	1.82387E-02	4.92984E-02	6.76535E-02	7.26894E-02
5	-7.15761E-04	1.50596E-02	2.41415E-02	2.80183E-02	3.69786E-02
6	-7.19094E-05	8.03381E-03	1.07642E-02	1.92167E-02	1.20073E-02
7	2.43273E-05	5.77936E-03	1.21189E-02	9.34186E-03	6.13527E-05
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 5

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	4.86812E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.22352E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	1.36072E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.31858E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.91514E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.05407E-02	4.97898E-02	6.85363E-02	8.04731E-02	1.58583E-01	4.08857E-01	5.62417E-01	5.95542E-01
5	3.59451E-03	1.28309E-04	-2.63549E-03	1.66248E-03	1.33858E-02	9.38998E-03	1.44372E-02	6.75903E-03
6	1.14175E-03	-1.26991E-03	1.38394E-03	-7.77610E-04	2.49817E-03	7.77070E-04	5.79251E-04	-8.09240E-05
7	2.79442E-04	9.77683E-05	1.14349E-04	9.62991E-05	4.01546E-03	8.44529E-04	8.35308E-04	-2.14523E-04
8	8.94886E-04	8.48647E-04	3.63144E-04	1.25911E-04	3.74451E-03	1.91313E-03	1.18471E-03	8.21603E-05
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	2.97833E-02	0.00000E+00	0.00000E+00	0.00000E+00	5.38285E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.96127E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.92211E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.57141E-01	4.05753E-01	5.58790E-01	5.95177E-01	1.62437E-01	4.20026E-01	5.76782E-01	6.08786E-01
5	1.23299E-02	8.83835E-03	1.44922E-02	6.19832E-03	1.42597E-02	1.04087E-02	1.44904E-02	7.36342E-03
6	2.91065E-03	8.96779E-04	5.45061E-04	-1.26405E-04	2.00287E-03	6.18827E-04	5.89148E-04	1.05234E-04
7	3.66726E-03	1.02790E-03	7.56310E-04	-8.32667E-05	4.19722E-03	7.69595E-04	1.01681E-03	-2.60779E-04
8	3.35170E-03	1.63454E-03	8.33328E-04	3.96628E-05	3.94423E-03	2.07603E-03	1.47395E-03	1.34603E-04
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	9.63354E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	3.47472E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.01868E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.84755E-01	0.00000E+00	0.00000E+00
4	2.11503E-05	5.36735E-05	6.65395E-05	6.50502E-05	1.00000E+00	1.04149E-01	2.29845E-01	3.10996E-01
5	1.65404E-05	4.80004E-06	-1.48449E-05	5.17601E-06	1.00000E+00	2.43666E-03	1.16930E-04	-5.19195E-04
6	5.16893E-06	-9.37441E-06	7.85316E-06	-2.81355E-06	0.00000E+00	2.10915E-03	1.35713E-03	3.79078E-05
7	1.08461E-06	1.65678E-06	1.48798E-06	6.66761E-07	1.47060E-04	2.52580E-03	1.74782E-03	8.07941E-04
8	2.35709E-06	1.60036E-06	3.73003E-07	1.53344E-07	1.47060E-04	1.78952E-03	1.15983E-03	4.02304E-04
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10580E-14	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.57590E-14	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.56210E-14	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.49170E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.19770E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.19800E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.56310E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.39470E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.91260E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.35770E-14	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.15100E-15	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.54280E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.33630E-03	0.00000E+00	0.00000E+00	0.00000E+00

23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.99260E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.28750E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10580E-14	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.57590E-14	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.56210E-14	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.49170E-14	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.19770E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.19800E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.56310E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.39470E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.91260E-14	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.35770E-14	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.15100E-15	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.54280E-14	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	3.77986E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.37815E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.71853E-01	2.95280E-02	7.94558E-02	1.07794E-01	1.13270E-01
5	-6.90985E-05	1.72132E-02	2.86189E-02	2.92138E-02	4.34562E-02
6	-5.34800E-04	9.76359E-03	1.11259E-02	2.04705E-02	1.73980E-02
7	1.86256E-04	7.18349E-03	1.64402E-02	1.49307E-02	4.19454E-03
8	0.00000E+00	4.67165E-03	7.13349E-03	4.99009E-03	-2.22799E-03
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 6

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	4.37893E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.56109E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	1.08012E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.33368E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.06058E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.24532E-02	5.24150E-02	7.13421E-02	8.41314E-02	1.71003E-01	4.24207E-01	5.65589E-01	5.78546E-01
5	4.80912E-03	-5.35070E-04	-2.30338E-03	1.21191E-03	1.66123E-02	1.09062E-02	1.54480E-02	7.57716E-03
6	1.20772E-03	-7.59620E-04	8.52021E-04	-1.94692E-04	3.75115E-03	1.06358E-03	8.90708E-04	4.98305E-05
7	4.37239E-04	5.94603E-05	3.08347E-05	9.19914E-07	5.94238E-03	7.49738E-04	8.88005E-04	-1.42073E-04
8	8.62711E-04	9.43169E-04	6.44488E-04	2.95278E-04	5.51172E-03	1.93822E-03	1.49221E-03	6.35892E-06
9	1.39346E-03	2.80804E-04	-1.79026E-04	1.86334E-04	5.78099E-03	2.24368E-03	1.49576E-03	1.95418E-05
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	2.68492E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.78655E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.10645E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.05842E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.68433E-01	4.18722E-01	5.57729E-01	5.71532E-01	1.74515E-01	4.34111E-01	5.78512E-01	5.91908E-01
5	1.48380E-02	1.10500E-02	1.47930E-02	6.85159E-03	1.79093E-02	1.16934E-02	1.58056E-02	8.46227E-03
6	4.58288E-03	1.53940E-03	9.99783E-04	9.39974E-05	2.90538E-03	5.41951E-04	8.06438E-04	2.68484E-04
7	5.48365E-03	7.07198E-04	7.93390E-04	-1.52959E-05	6.10783E-03	8.93533E-04	1.13362E-03	-1.53408E-04
8	4.85534E-03	1.55383E-03	9.89811E-04	2.53861E-06	5.85809E-03	2.17534E-03	1.87261E-03	4.25580E-06
9	5.13985E-03	1.86080E-03	1.03092E-03	5.83030E-06	6.03418E-03	2.51251E-03	1.94125E-03	1.62843E-05
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	9.95889E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.29400E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	6.68496E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.04306E-01	0.00000E+00	0.00000E+00
4	2.34391E-05	5.34776E-05	5.83648E-05	5.39662E-05	1.00000E+00	1.25059E-01	2.83553E-01	4.01117E-01
5	2.28210E-05	-1.90227E-06	-1.72561E-05	1.08817E-05	1.00000E+00	2.42095E-03	-1.43321E-04	2.53883E-04
6	5.48479E-06	-9.77524E-06	7.32594E-06	-2.24933E-06	0.00000E+00	2.47381E-03	1.23423E-03	-3.70830E-04

7	7.84390E-07	1.16540E-06	9.98308E-07	5.12748E-07	1.48670E-04	2.56674E-03	1.41143E-03	5.29918E-04
8	2.62801E-06	2.69077E-06	1.64092E-06	6.34251E-07	1.48670E-04	2.88637E-03	1.39817E-03	4.85213E-04
9	2.61781E-06	-4.13458E-07	3.02683E-07	4.75418E-07	8.07510E-15	2.09634E-03	9.96391E-04	3.46548E-04
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06970E-14	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06070E-14	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.91310E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.93530E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.88630E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.26930E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55920E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.43060E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.24170E-14	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55760E-15	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.64060E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.09540E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.52710E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.02140E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.07510E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06970E-14	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06070E-14	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.91310E-14	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.93530E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.88630E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.26930E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55920E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.43060E-14	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.24170E-14	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55760E-15	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.64060E-14	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.42356E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.31841E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	4.66771E-01	2.33860E-02	5.92413E-02	7.54278E-02	7.93979E-02
5	5.15137E-04	2.58753E-02	4.19727E-02	4.76962E-02	5.94953E-02
6	-8.09228E-04	1.47451E-02	1.67537E-02	2.83898E-02	2.64001E-02
7	4.54003E-05	9.49381E-03	2.19657E-02	2.16045E-02	6.52333E-03
8	0.00000E+00	7.52461E-03	1.09247E-02	6.57690E-03	-4.60870E-03
9	0.00000E+00	5.36357E-03	6.64533E-03	5.17304E-03	-6.77630E-03
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 7

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.71477E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.34654E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	7.04680E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.71142E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.12602E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.59993E-02	5.91883E-02	7.77031E-02	8.83365E-02	1.79466E-01	4.19524E-01	5.41593E-01	5.38986E-01
5	5.17155E-03	-1.38775E-03	-1.50130E-03	3.10046E-03	1.88040E-02	9.42567E-03	1.21447E-02	7.70633E-03
6	1.05422E-03	-7.88692E-05	4.29596E-04	-2.69402E-04	4.62286E-03	1.37876E-03	4.14837E-04	8.08174E-05
7	5.93745E-04	8.32047E-05	4.51336E-05	2.50634E-06	7.56083E-03	8.59151E-04	8.47857E-04	-2.73275E-05
8	4.09116E-04	1.94680E-04	1.60900E-04	7.85443E-05	7.19926E-03	9.52744E-04	1.08490E-03	-1.43096E-04
9	1.51130E-03	5.69295E-04	-8.54161E-05	6.56255E-05	6.72322E-03	1.84192E-03	1.38777E-03	-4.66633E-06
10	1.23265E-03	1.70889E-04	2.05515E-04	1.17838E-04	6.67422E-03	1.85387E-03	1.35783E-03	-1.62738E-06
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16

1	2.09275E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.97182E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.16948E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.11380E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.77267E-01	4.13946E-01	5.34435E-01	5.32713E-01	1.81885E-01	4.27445E-01	5.52628E-01	5.50830E-01
5	1.63044E-02	9.08413E-03	1.12145E-02	6.15414E-03	2.07921E-02	1.04161E-02	1.25917E-02	9.17435E-03
6	5.27858E-03	1.35950E-03	6.23484E-04	1.37743E-05	3.80895E-03	1.02190E-03	6.32101E-04	1.49580E-04
7	7.04939E-03	4.82287E-04	7.06811E-04	5.29167E-05	7.71887E-03	1.20972E-03	1.06683E-03	-1.81688E-05
8	6.30165E-03	8.92001E-04	8.29447E-04	-6.68639E-05	7.79401E-03	1.12481E-03	1.37135E-03	-1.80649E-04
9	5.86290E-03	1.36944E-03	9.31708E-04	-5.63638E-06	7.14357E-03	2.14652E-03	1.85450E-03	-2.13063E-05
10	5.82037E-03	1.45165E-03	8.98340E-04	-5.40015E-07	6.96325E-03	2.19381E-03	1.73731E-03	-2.27558E-06
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	8.70685E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.92571E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.15701E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.37137E-01	0.00000E+00	0.00000E+00
4	2.93388E-05	6.30399E-05	5.94581E-05	4.67122E-05	1.00000E+00	1.61710E-01	3.58722E-01	5.15071E-01
5	2.34560E-05	-5.38262E-06	-1.50547E-05	1.37749E-05	1.00000E+00	2.40343E-03	-4.26455E-04	1.42232E-03
6	3.40866E-06	-6.77825E-06	7.76094E-06	-4.27475E-06	0.00000E+00	2.41614E-03	8.89629E-04	-5.05371E-04
7	4.67506E-07	6.29480E-07	4.12271E-07	1.75167E-07	1.53870E-04	2.42910E-03	9.44495E-04	1.19246E-04
8	1.40285E-06	1.49821E-06	1.14171E-06	2.11862E-07	1.53870E-04	3.28178E-03	1.18362E-03	5.00687E-04
9	2.85469E-06	1.48660E-07	2.83697E-07	-2.72454E-08	5.56860E-15	2.93959E-03	9.36841E-04	3.51530E-04
10	1.79977E-06	4.42881E-07	8.93285E-07	1.85066E-08	7.32000E-15	2.85919E-03	8.90322E-04	3.36320E-04
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.26500E-15	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.45460E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.63580E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.36230E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.19330E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.15070E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.05200E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.23740E-14	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10770E-15	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20360E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.70570E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.54860E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.44010E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.56860E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.32000E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.26500E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.45460E-14	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.63580E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.36230E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.19330E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.15070E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.05200E-14	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.23740E-14	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10770E-15	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20360E-14	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	7.03961E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.48884E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.70663E-01	2.84746E-02	7.02113E-02	8.58330E-02	8.75270E-02
5	6.81186E-04	2.88303E-02	3.97175E-02	4.23686E-02	6.25973E-02
6	-7.34732E-04	1.73456E-02	1.03609E-02	4.08571E-02	1.16028E-02
7	-1.27257E-04	8.71526E-03	2.02302E-02	1.84249E-02	2.83914E-03
8	5.57367E-05	9.92683E-03	1.88202E-02	1.14558E-02	-5.10513E-03

9	0.00000E+00	6.52658E-03	6.04223E-03	6.00161E-03	-8.72252E-03
10	0.00000E+00	4.12828E-03	6.49550E-03	1.33125E-03	-7.42060E-03
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 8

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.79838E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.31824E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	6.47660E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	5.28227E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.11875E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.17799E-02	6.70663E-02	8.41012E-02	9.02227E-02	1.91495E-01	3.89746E-01	4.89272E-01	4.71665E-01
5	6.87948E-03	-2.77100E-03	-9.08153E-04	5.27675E-04	2.55446E-02	5.94446E-03	1.03553E-02	7.33359E-03
6	2.31880E-03	6.41938E-05	4.79261E-04	-1.02663E-04	9.59742E-03	2.02636E-03	1.07512E-03	1.16613E-04
7	1.16292E-03	1.13994E-04	6.39313E-05	6.70153E-06	1.54238E-02	1.18840E-03	1.57637E-03	3.93008E-05
8	6.64103E-04	1.76134E-05	2.28548E-05	2.30456E-05	1.42173E-02	2.43174E-04	1.19759E-03	-2.02924E-04
9	1.47708E-03	8.57445E-04	2.54303E-04	1.49105E-04	1.23922E-02	2.06018E-03	1.87971E-03	1.36987E-07
10	2.03983E-03	-2.10635E-04	1.18912E-04	1.34349E-04	1.19983E-02	2.02247E-03	1.78870E-03	4.07558E-06
11	1.93660E-03	2.20003E-04	-9.37289E-05	-1.43042E-06	1.16447E-02	2.01011E-03	1.70262E-03	-1.87260E-06
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.48435E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.36625E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.12608E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.10899E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.85206E-01	3.77873E-01	4.75353E-01	4.63200E-01	1.94490E-01	3.96883E-01	4.98454E-01	4.77790E-01
5	2.26044E-02	6.34893E-03	9.72502E-03	6.03896E-03	2.77096E-02	5.77858E-03	1.03257E-02	8.63006E-03
6	1.08002E-02	2.45400E-03	1.24561E-03	2.48746E-04	7.92806E-03	1.44848E-03	1.09812E-03	1.77424E-04
7	1.44073E-02	3.57174E-04	1.15529E-03	1.04466E-04	1.58032E-02	1.90952E-03	2.05167E-03	3.59634E-05
8	1.23841E-02	3.86691E-04	1.04254E-03	-8.63508E-05	1.52517E-02	3.05395E-04	1.44181E-03	-2.76002E-04
9	1.06100E-02	1.35516E-03	1.21578E-03	4.70949E-06	1.34535E-02	2.51911E-03	2.44963E-03	8.34906E-06
10	1.02781E-02	1.45403E-03	1.15632E-03	5.06266E-06	1.26560E-02	2.51582E-03	2.31158E-03	1.48119E-05
11	9.97614E-03	1.50827E-03	1.09743E-03	-2.90400E-06	1.22086E-02	2.44669E-03	2.20989E-03	-1.32452E-05
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.71768E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.12907E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	8.92740E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.57796E-01	0.00000E+00	0.00000E+00
4	4.42236E-05	8.35545E-05	8.45417E-05	7.36815E-05	1.00000E+00	2.00799E-01	3.74129E-01	5.37572E-01
5	3.05917E-05	-2.60943E-05	-1.61351E-07	1.72700E-06	1.00000E+00	2.81366E-03	-1.01820E-03	2.39070E-03
6	2.74167E-06	-5.00404E-06	5.68460E-06	-2.68097E-06	0.00000E+00	3.57765E-03	7.34171E-04	-1.57893E-04
7	8.93285E-07	1.22575E-06	7.72741E-07	1.16860E-07	1.48040E-04	5.41828E-03	1.07452E-03	-2.25956E-04
8	1.73032E-06	1.53589E-06	7.85836E-07	3.29247E-07	1.48040E-04	6.04413E-03	1.29975E-03	6.24506E-04
9	3.52063E-06	1.90885E-06	1.00049E-06	-3.14513E-07	3.59270E-15	6.09725E-03	1.01916E-03	4.82904E-04
10	2.70451E-06	-2.03909E-08	1.09172E-06	1.81787E-07	5.17060E-15	8.38657E-03	1.34997E-03	6.50569E-04
11	2.73776E-06	9.55125E-07	-1.93140E-07	-6.71854E-09	5.13980E-15	8.24206E-03	1.31684E-03	6.36548E-04
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28940E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.39240E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31280E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.94170E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07910E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.82000E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.35990E-14	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.97320E-16	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.08440E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.93950E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.05100E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.93050E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.59270E-15	0.00000E+00	0.00000E+00	0.00000E+00

26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.17060E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.13980E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28940E-14	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.39240E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31280E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.94170E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07910E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.82000E-14	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.35990E-14	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.97320E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.08440E-14	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	8.47946E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.92436E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.71520E-01	5.87691E-02	1.27581E-01	1.40129E-01	1.41825E-01
5	-1.05634E-04	4.66859E-02	5.38036E-02	7.17120E-02	7.93374E-02
6	-2.92332E-04	2.11148E-02	3.27641E-02	4.54774E-02	1.66809E-02
7	-2.95034E-04	1.26704E-02	2.78174E-02	2.08130E-02	-6.56076E-03
8	7.83725E-05	1.38924E-02	2.69948E-02	1.41770E-02	-1.24750E-02
9	0.00000E+00	1.08793E-02	9.90275E-03	4.61997E-03	-1.44736E-02
10	0.00000E+00	6.19783E-03	8.85065E-03	7.18461E-04	-1.23565E-02
11	0.00000E+00	5.67641E-03	7.26778E-03	-1.19630E-03	-1.09195E-02
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 9

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.16137E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.74216E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	5.88930E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	5.79793E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.96895E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.36978E-02	7.21053E-02	8.57588E-02	8.30694E-02	1.72818E-01	3.27245E-01	3.99008E-01	3.62633E-01
5	5.65927E-03	-1.72723E-03	4.03274E-04	9.68485E-04	2.17424E-02	4.68129E-04	6.31655E-03	4.87235E-03
6	1.59806E-03	2.76710E-04	1.37832E-04	5.92849E-05	6.20682E-03	1.04785E-03	-1.30507E-04	3.56013E-05
7	1.26087E-03	6.83264E-05	4.48167E-05	7.26932E-06	1.29190E-02	2.09412E-03	1.48145E-03	1.34969E-04
8	5.94378E-04	6.69215E-07	2.03765E-06	-2.49049E-07	1.16987E-02	-2.06212E-04	3.45384E-04	-2.17484E-04
9	7.03097E-04	3.95474E-04	2.94238E-04	8.68712E-05	9.80773E-03	8.30076E-04	1.06102E-03	9.04151E-06
10	1.42272E-03	1.93149E-04	-1.53809E-04	-7.61380E-05	9.41002E-03	8.81065E-04	1.00742E-03	2.10485E-06
11	1.26667E-03	2.95327E-04	1.46055E-04	-1.21959E-05	8.73575E-03	8.28927E-04	9.22992E-04	-2.59371E-06
12	1.29043E-03	9.88822E-05	5.35488E-05	-1.70640E-05	8.82384E-03	8.44979E-04	9.27528E-04	8.58669E-07
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	9.13946E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.59421E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.98209E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.92641E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.73365E-01	3.26167E-01	3.97683E-01	3.69655E-01	1.68447E-01	3.20189E-01	3.91538E-01	3.47258E-01
5	1.78111E-02	6.12928E-04	4.71520E-03	5.00415E-03	2.49223E-02	5.47196E-04	7.19440E-03	5.11462E-03
6	7.22618E-03	4.54622E-04	2.90111E-04	1.00894E-04	4.57062E-03	1.47486E-03	-3.62670E-04	3.49437E-05
7	1.25182E-02	1.38252E-03	8.56704E-04	1.48667E-04	1.29868E-02	2.67051E-03	2.11790E-03	1.36793E-04
8	1.02091E-02	-1.44212E-05	4.76162E-04	-1.22486E-04	1.24515E-02	-2.49073E-04	2.61205E-04	-3.15111E-04
9	8.46630E-03	5.06284E-04	6.85299E-04	1.00882E-05	1.05170E-02	1.02224E-03	1.34424E-03	3.05358E-05
10	8.04730E-03	6.03820E-04	6.57011E-04	-3.42149E-07	1.00307E-02	1.09629E-03	1.31559E-03	-5.30297E-06
11	7.49920E-03	6.07724E-04	6.02234E-04	-2.01287E-06	9.09688E-03	1.00559E-03	1.18776E-03	-4.19605E-06
12	7.40199E-03	6.41935E-04	5.82393E-04	1.08016E-06	9.45748E-03	1.01928E-03	1.20091E-03	5.83607E-06
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24

1	1.45135E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.30680E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	9.29732E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.63599E-01	0.00000E+00	0.00000E+00
4	3.25898E-05	7.05595E-05	6.64284E-05	4.80864E-05	1.00000E+00	2.29638E-01	3.40741E-01	4.81584E-01
5	2.29624E-05	-2.23808E-05	9.99687E-06	2.31751E-06	1.00000E+00	3.28376E-03	-2.31482E-03	1.40087E-03
6	1.63222E-07	3.19398E-07	1.90808E-07	-1.74370E-10	0.00000E+00	2.18173E-03	3.90559E-04	-3.37739E-06
7	3.66228E-07	2.36884E-07	8.96699E-08	1.34954E-07	1.36950E-04	5.18799E-03	4.02074E-04	-3.86138E-04
8	1.39721E-06	1.16729E-06	1.67618E-08	2.58763E-07	1.36950E-04	5.60567E-03	5.66077E-04	2.78109E-04
9	1.87814E-06	1.44502E-06	1.38956E-06	1.63895E-07	2.19830E-15	5.39023E-03	3.83895E-04	2.83414E-04
10	2.00330E-06	2.56759E-07	-5.08589E-08	2.29244E-08	3.79860E-15	6.39418E-03	4.45722E-04	3.33021E-04
11	1.74864E-06	1.22093E-06	2.50212E-07	-1.62464E-07	3.78550E-15	9.34762E-03	6.54528E-04	4.88150E-04
12	1.69736E-06	5.31717E-07	2.80079E-07	-8.52931E-09	1.14120E-14	9.46112E-03	6.57168E-04	4.91713E-04
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.11750E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27200E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.64570E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02460E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.39880E-15	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.35090E-15	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.76120E-16	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.31030E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.01430E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.61780E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.54030E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.19830E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.79860E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.78550E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.14120E-14	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.11750E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27200E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.64570E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02460E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.39880E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.35090E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.76120E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.31030E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	2.13719E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	2.27308E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.01841E-01	4.71801E-02	1.15498E-01	1.34296E-01	1.20371E-01
5	-5.44038E-04	3.96287E-02	4.16642E-02	5.92716E-02	6.68125E-02
6	-2.42735E-05	1.26152E-02	2.81529E-02	2.72833E-02	2.18909E-03
7	-9.64059E-05	8.88031E-03	1.86754E-02	1.15681E-02	-9.69684E-03
8	2.97360E-05	8.77836E-03	1.70465E-02	7.07859E-03	-1.30058E-02
9	0.00000E+00	7.60739E-03	6.17012E-03	9.19494E-04	-1.08314E-02
10	0.00000E+00	4.55235E-03	6.08283E-03	-5.38327E-05	-1.03888E-02
11	0.00000E+00	3.36789E-03	4.46874E-03	-9.05212E-04	-7.84711E-03
12	0.00000E+00	2.92459E-03	2.90871E-03	-1.98754E-03	-5.63481E-03
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 10

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.17296E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.97593E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	5.73893E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.74793E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.90671E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.44325E-02	5.18453E-02	6.49012E-02	6.45715E-02	1.60074E-01	3.11334E-01	3.61471E-01	3.17411E-01

5	5.27688E-03	-1.51934E-03	4.74298E-06	5.05042E-04	2.79956E-02	-1.25910E-02	1.32950E-02	4.96167E-03
6	8.92674E-04	-6.09926E-04	1.04812E-03	-7.96811E-04	7.53684E-03	6.58145E-04	2.93863E-04	4.81125E-05
7	7.60029E-04	4.01684E-05	2.38489E-05	9.26381E-06	4.74741E-03	1.11508E-03	-2.96415E-05	1.18941E-04
8	6.25862E-04	4.70118E-05	2.00570E-05	1.97980E-06	7.33253E-03	-5.83527E-05	6.81846E-04	1.18766E-04
9	3.00699E-04	8.61760E-10	3.86926E-07	-1.42167E-07	6.02595E-03	-3.21088E-04	1.74500E-04	1.86915E-05
10	5.05648E-04	3.33332E-04	1.14734E-04	1.81187E-05	5.12165E-03	2.76848E-04	4.82922E-04	-1.59071E-06
11	7.57381E-04	-3.41565E-05	2.24808E-05	1.11101E-05	4.89446E-03	2.68242E-04	4.46991E-04	-2.73671E-06
12	6.69150E-04	8.43705E-05	-9.36923E-05	-6.96693E-05	4.51879E-03	2.55360E-04	4.05743E-04	-6.13415E-07
13	6.51958E-04	6.81478E-05	3.79339E-05	2.46031E-06	4.70925E-03	2.76127E-04	4.24837E-04	3.81374E-07
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	6.47590E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.75107E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.97169E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.83143E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.65749E-01	3.19898E-01	3.72436E-01	3.35964E-01	1.53925E-01	2.99123E-01	3.47456E-01	2.97534E-01
5	2.66027E-02	-1.23525E-02	1.05548E-02	6.77568E-03	2.75983E-02	-1.20718E-02	1.50571E-02	3.70135E-03
6	6.27261E-03	9.09743E-04	5.94218E-04	2.12391E-04	8.66667E-03	2.28751E-05	2.43471E-04	-5.17338E-05
7	4.62661E-03	1.35630E-03	-5.31345E-05	6.62450E-05	4.61796E-03	1.01387E-03	-5.53724E-06	1.36335E-04
8	6.60387E-03	-3.83598E-04	4.68208E-04	3.90657E-05	7.72119E-03	2.28398E-04	9.06958E-04	1.67992E-04
9	5.23199E-03	-8.45875E-05	1.82742E-04	1.57333E-07	6.32441E-03	-5.10143E-04	1.31112E-04	-4.52382E-06
10	4.43692E-03	1.78800E-04	3.21551E-04	-2.42726E-06	5.44159E-03	2.88677E-04	6.57843E-04	-1.51012E-05
11	4.17830E-03	1.99841E-04	2.87000E-04	-1.31563E-06	5.19243E-03	3.24853E-04	5.83189E-04	2.22174E-06
12	3.84583E-03	2.05081E-04	2.62314E-04	8.47291E-09	4.67503E-03	2.91867E-04	5.26855E-04	-2.74080E-06
13	4.00402E-03	2.31734E-04	2.68031E-04	1.35555E-06	4.98327E-03	3.11448E-04	5.53671E-04	3.04050E-06
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	9.04117E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.53425E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.22967E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.53629E-01	0.00000E+00	0.00000E+00
4	1.48273E-05	3.59493E-05	3.81038E-05	2.46896E-05	1.00000E+00	2.26919E-01	3.04790E-01	4.21110E-01
5	1.92659E-05	-5.23975E-07	-6.51202E-06	1.85877E-06	1.00000E+00	1.02516E-02	-7.82207E-03	3.74492E-03
6	3.67827E-06	-9.08235E-06	9.99099E-06	-6.84852E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	1.70122E-07	2.17096E-07	1.21032E-09	-3.78708E-08	1.30590E-04	2.68684E-03	3.79804E-04	-8.26021E-05
8	2.74055E-07	3.51519E-07	3.74392E-07	6.55991E-08	1.30590E-04	3.41302E-03	2.22640E-04	-2.27008E-04
9	7.71730E-07	-9.40069E-08	7.96555E-08	4.01759E-07	1.77980E-15	3.17297E-03	7.28364E-05	1.31067E-04
10	1.02947E-06	8.26158E-07	1.69173E-07	8.73166E-08	3.25900E-15	3.24641E-03	1.16023E-04	1.31902E-04
11	8.95181E-07	5.05105E-08	2.09290E-07	8.37952E-08	3.24950E-15	4.26488E-03	1.49959E-04	1.71888E-04
12	9.14432E-07	3.32181E-07	-2.74251E-07	-1.08586E-07	8.05870E-15	5.74457E-03	2.02152E-04	2.32260E-04
13	8.10272E-07	3.53596E-07	1.06978E-07	5.08277E-10	2.80610E-14	5.99465E-03	2.11825E-04	2.41924E-04
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.24620E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.66460E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.72030E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.83550E-15	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.50880E-15	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.08930E-16	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.67270E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.31120E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.69620E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.05420E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.77980E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.25900E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.24950E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.05870E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.80610E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.24620E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.66460E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.72030E-15	0.00000E+00	0.00000E+00	0.00000E+00

33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.83550E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.50880E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.08930E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.67270E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	2.28389E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	2.33413E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	4.40641E-01	2.92152E-02	7.68511E-02	9.88870E-02	9.56263E-02
5	-1.04063E-03	2.64429E-02	4.04910E-02	4.76537E-02	5.54386E-02
6	0.00000E+00	1.47670E-02	4.53703E-03	3.42715E-02	4.61849E-03
7	-6.40903E-06	5.34633E-03	1.15957E-02	7.77629E-03	-4.67379E-03
8	3.61394E-06	3.85461E-03	7.47269E-03	3.11720E-03	-6.99127E-03
9	-7.07019E-06	4.10924E-03	6.43085E-03	-1.45829E-04	-7.89568E-03
10	0.00000E+00	3.24639E-03	1.82061E-03	1.45304E-03	-6.29276E-03
11	0.00000E+00	1.94567E-03	2.47635E-03	-6.44516E-04	-4.53922E-03
12	0.00000E+00	1.54697E-03	1.78381E-03	-8.45845E-04	-3.58634E-03
13	0.00000E+00	1.23938E-03	1.14166E-03	-8.79534E-04	-2.42316E-03
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 11

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.23081E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.48553E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	5.78931E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.69500E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.00717E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.40911E-02	4.86639E-02	5.98161E-02	5.83343E-02	1.74215E-01	3.20480E-01	3.70409E-01	3.20564E-01
5	5.74794E-03	2.49439E-03	-3.78755E-03	-4.68654E-03	4.77427E-02	-2.93854E-02	2.31988E-02	4.11592E-03
6	4.08537E-03	-7.17896E-03	4.09866E-03	4.96523E-04	8.96546E-03	3.34938E-03	3.60028E-04	3.56048E-04
7	6.97854E-04	1.36760E-04	6.82653E-05	3.73050E-05	3.95032E-03	-9.56366E-04	7.26457E-04	3.01838E-04
8	5.97879E-04	1.59017E-05	2.86060E-05	5.20305E-07	5.82590E-03	1.29753E-03	6.81283E-04	7.51580E-05
9	6.04372E-04	3.17225E-05	1.48208E-05	1.00215E-06	7.17171E-03	-1.95201E-04	2.62027E-04	-4.53117E-05
10	3.02696E-04	3.80616E-07	3.60203E-07	1.23541E-07	5.53391E-03	-2.40890E-05	5.47590E-04	-1.46024E-05
11	6.56391E-04	3.57124E-04	8.54083E-05	8.57295E-06	5.15695E-03	1.87007E-04	4.32574E-04	-6.65219E-06
12	7.37007E-04	-8.47976E-05	8.88493E-06	-9.83399E-05	4.88748E-03	1.70992E-04	4.12941E-04	5.83100E-06
13	6.92097E-04	3.34425E-05	-6.18836E-05	3.99270E-05	4.48316E-03	1.66997E-04	3.63839E-04	-4.45346E-07
14	6.54522E-04	7.18710E-05	1.00922E-05	-2.29008E-05	4.98100E-03	1.94388E-04	4.07875E-04	2.02111E-07
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	4.77907E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.76347E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.95174E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.99540E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.70463E-01	3.07592E-01	3.56272E-01	3.16334E-01	1.73070E-01	3.22560E-01	3.73417E-01	3.13142E-01
5	4.84958E-02	-3.12418E-02	1.97158E-02	7.81704E-03	4.57378E-02	-2.69297E-02	2.66380E-02	2.65894E-04
6	4.36180E-03	1.48956E-03	3.34346E-04	8.36538E-05	1.32343E-02	4.75773E-03	6.03150E-04	6.16689E-04
7	5.08197E-03	-4.17275E-05	6.40672E-04	3.71529E-04	2.66006E-03	-1.94519E-03	8.95620E-04	1.34613E-04
8	6.16512E-03	1.37948E-03	3.04523E-04	6.13141E-06	5.40305E-03	1.28848E-03	1.09325E-03	1.32418E-04
9	6.29936E-03	-4.81773E-04	1.70078E-04	7.10770E-06	7.56616E-03	1.05703E-05	3.54346E-04	-5.20595E-05
10	4.90368E-03	2.54701E-05	3.23527E-04	-9.36447E-06	5.73168E-03	-7.02391E-05	6.77733E-04	-3.66097E-05
11	4.47516E-03	1.37435E-04	2.83430E-04	-8.38907E-06	5.42709E-03	1.90717E-04	5.83979E-04	-2.62868E-05
12	4.19313E-03	1.43026E-04	2.67669E-04	2.95437E-06	5.13957E-03	1.94837E-04	5.29703E-04	4.95187E-06
13	3.84457E-03	1.51147E-04	2.35332E-04	-1.00253E-06	4.58275E-03	1.76865E-04	4.70848E-04	-2.30467E-06
14	4.28547E-03	1.85630E-04	2.59012E-04	-1.14584E-06	5.20047E-03	1.97251E-04	5.29250E-04	-5.66570E-07
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	6.00609E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	3.05971E-05	0.00000E+00	0.00000E+00

2	0.00000E+00	0:00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	6.98396E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.44570E-01	0.00000E+00	0.00000E+00
4	1.38405E-05	3.26428E-05	3.21833E-05	1.71726E-05	1.00000E+00	2.28186E-01	2.79627E-01	3.83862E-01
5	1.72231E-05	1.80228E-05	-1.42246E-05	-2.08480E-05	1.00000E+00	1.50803E-02	-1.46920E-02	6.07185E-03
6	1.83004E-05	-3.04353E-05	8.04989E-06	1.06197E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	9.27425E-09	2.49664E-08	3.31911E-08	3.21598E-08	1.26510E-04	0.00000E+00	0.00000E+00	0.00000E+00
8	1.93434E-07	1.08527E-07	-6.61977E-08	-8.68333E-08	1.26510E-04	4.24805E-03	2.99927E-04	-2.56816E-04
9	4.16435E-07	5.78903E-07	1.71871E-07	-5.66722E-08	1.52000E-15	3.82938E-03	2.02337E-04	-1.25676E-04
10	7.35693E-07	1.12569E-07	5.60147E-07	4.55578E-07	3.18860E-15	3.51134E-03	7.25725E-05	1.18408E-04
11	1.09015E-06	4.52369E-07	4.75287E-08	-3.75229E-08	3.18040E-15	3.57006E-03	7.64227E-05	1.21470E-04
12	7.70029E-07	5.10117E-08	9.36833E-08	-3.98740E-08	7.60090E-15	5.05965E-03	1.07590E-04	1.70836E-04
13	8.70718E-07	1.01119E-07	-2.25479E-07	3.91144E-08	2.69030E-14	6.35459E-03	1.33634E-04	2.15207E-04
14	8.04482E-07	3.80397E-07	1.00832E-07	1.19981E-08	1.25090E-13	6.71585E-03	1.43584E-04	2.27229E-04
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.59300E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.32890E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.15510E-15	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.34900E-15	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.65200E-16	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.59870E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.00070E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.04370E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.92200E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.52000E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.18860E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.18040E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.60090E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.69030E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.25090E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.59300E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.32890E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.15510E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.34900E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.65200E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.59870E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.97372E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	2.27530E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.97422E-01	2.22936E-02	5.84026E-02	7.50762E-02	7.41976E-02
5	-3.42259E-03	3.19477E-02	6.66482E-02	5.88529E-02	4.77574E-02
6	0.00000E+00	3.12089E-02	-5.71373E-03	5.55974E-02	3.82457E-02
7	0.00000E+00	8.19436E-03	1.45529E-02	1.90119E-02	-2.08400E-03
8	2.36289E-05	4.85777E-03	9.93341E-03	5.16934E-03	-6.94992E-03
9	1.80770E-06	3.65972E-03	6.89529E-03	2.12579E-03	-7.58056E-03
10	0.00000E+00	4.30980E-03	4.30487E-03	-2.31677E-03	-7.23776E-03
11	0.00000E+00	2.56711E-03	2.54266E-03	4.00142E-04	-6.40035E-03
12	0.00000E+00	1.74235E-03	2.06585E-03	-8.78555E-04	-4.31352E-03
13	0.00000E+00	1.44627E-03	1.53099E-03	-9.26449E-04	-3.15699E-03
14	0.00000E+00	1.10295E-03	9.96807E-04	-8.96690E-04	-2.32266E-03
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 12

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.26859E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.19132E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	5.80728E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.32902E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.91438E-01	0.00000E+00	0.00000E+00	0.00000E+00

4	1.96558E-02	4.46826E-02	5.44646E-02	5.65712E-02	1.24997E-01	3.05689E-01	3.44448E-01	2.77675E-01
5	3.61486E-03	1.63747E-03	-5.37652E-04	-3.66348E-03	3.91202E-02	-1.86268E-02	1.14660E-02	2.66508E-03
6	1.28148E-03	-1.19086E-03	-1.58629E-03	2.08655E-03	2.43829E-04	-3.72453E-04	3.07129E-04	-2.49905E-04
7	5.07144E-04	-7.02781E-04	9.20546E-04	-6.80009E-04	5.09930E-03	1.28888E-03	8.16940E-04	1.66114E-04
8	3.07976E-04	5.44737E-05	2.76139E-05	1.10097E-05	1.40796E-03	2.70073E-04	8.21735E-05	-4.71679E-05
9	2.47982E-04	1.25910E-05	5.33143E-06	1.51795E-06	2.98649E-03	6.86757E-04	2.57583E-04	1.82409E-04
10	2.37076E-04	7.59013E-06	4.28499E-06	-5.62636E-08	2.76186E-03	-3.65625E-04	3.00563E-04	-1.23310E-04
11	1.25902E-04	1.41572E-06	1.94365E-06	2.19677E-06	2.28370E-03	3.82256E-05	1.77285E-04	8.84307E-06
12	3.19293E-04	1.44175E-04	3.42708E-05	-3.11973E-05	2.14161E-03	5.36854E-05	1.66587E-04	2.12946E-06
13	2.90773E-04	-2.41154E-05	-2.52939E-05	7.51148E-06	2.01075E-03	4.99020E-05	1.58410E-04	-3.66749E-06
14	2.95129E-04	7.35226E-07	2.23835E-06	3.27024E-05	1.84402E-03	4.99769E-05	1.40559E-04	1.60838E-07
15	2.76227E-04	2.36642E-05	9.71882E-07	-4.60345E-06	2.13750E-03	5.94927E-05	1.63140E-04	-8.00203E-08
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	3.74541E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.76222E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.92704E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.85061E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.24681E-01	3.04382E-01	3.42852E-01	2.77014E-01	1.22141E-01	2.99633E-01	3.37865E-01	2.71630E-01
5	3.89087E-02	-1.89255E-02	1.01780E-02	5.73079E-03	3.81031E-02	-1.96856E-02	1.31015E-02	9.90940E-04
6	2.05736E-04	-2.99890E-04	3.08842E-04	-2.64252E-04	1.22741E-04	-1.41737E-04	9.04712E-06	-1.07309E-04
7	2.48340E-03	5.84991E-04	3.91475E-04	8.22007E-05	7.57030E-03	1.72439E-03	1.34746E-03	2.36742E-04
8	2.02043E-03	4.44176E-04	2.95819E-04	-4.40841E-05	6.83493E-04	8.41625E-05	-8.04238E-05	-2.80056E-05
9	2.99576E-03	4.28170E-04	4.93633E-05	1.61077E-04	2.95982E-03	8.85253E-04	3.84368E-04	2.02812E-04
10	2.47653E-03	-3.11318E-04	2.50998E-04	-4.83748E-05	2.82785E-03	-3.55797E-04	3.54521E-04	-2.14912E-04
11	2.00269E-03	2.55541E-05	1.12021E-04	6.36620E-06	2.39935E-03	3.35301E-05	2.06908E-04	1.13608E-05
12	1.86233E-03	4.59319E-05	1.09148E-04	2.96000E-06	2.24096E-03	5.43030E-05	2.14658E-04	9.72699E-07
13	1.73545E-03	4.67185E-05	1.01777E-04	-2.89525E-06	2.09787E-03	5.19900E-05	2.03970E-04	-7.20373E-07
14	1.59302E-03	5.08770E-05	9.10606E-05	7.33059E-07	1.87318E-03	4.94567E-05	1.80994E-04	2.71306E-08
15	1.85872E-03	6.55499E-05	1.04565E-04	4.41231E-08	2.21159E-03	5.25543E-05	2.10801E-04	-3.99732E-07
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	4.82131E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.82920E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	6.63398E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.36355E-01	0.00000E+00	0.00000E+00
4	5.90316E-06	1.60401E-05	2.17723E-05	2.19281E-05	1.00000E+00	1.97127E-01	2.77981E-01	3.44931E-01
5	8.91805E-06	1.44472E-05	5.24792E-07	-1.38879E-05	1.00000E+00	1.49794E-02	-1.31671E-02	5.19756E-03
6	7.05217E-06	-5.58953E-06	-1.12993E-05	1.25910E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	5.65239E-06	-1.31549E-05	1.22449E-05	-4.72039E-06	1.25240E-04	0.00000E+00	0.00000E+00	0.00000E+00
8	1.62097E-08	3.86181E-08	3.80373E-08	1.73026E-08	1.25240E-04	0.00000E+00	0.00000E+00	0.00000E+00
9	6.52240E-08	-1.40543E-08	-6.12284E-08	-4.06568E-08	1.38670E-15	2.04418E-03	1.40566E-04	-1.37860E-04
10	2.24417E-07	2.43371E-07	-2.15815E-08	2.76297E-08	2.78610E-15	1.75145E-03	1.31942E-04	-4.03558E-05
11	2.94824E-07	1.75424E-07	2.68289E-07	8.27161E-08	2.78040E-15	1.53400E-03	2.38694E-05	4.57038E-05
12	4.54794E-07	9.22076E-08	1.39494E-08	-9.25764E-08	6.34910E-15	1.57794E-03	2.45843E-05	4.70697E-05
13	2.84092E-07	4.37016E-08	5.58426E-09	6.62877E-08	2.56550E-14	2.32448E-03	3.61460E-05	6.88180E-05
14	3.37012E-07	-4.32836E-09	-5.67824E-08	5.87647E-08	1.24210E-13	2.78789E-03	4.28797E-05	8.28132E-05
15	3.28448E-07	1.50758E-07	1.86033E-08	-8.25663E-09	1.33570E-14	2.96219E-03	4.62944E-05	8.80458E-05
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.31160E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.41340E-15	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.77500E-15	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.49830E-16	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.44480E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.71440E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.69690E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.35400E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.38670E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.78610E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.78040E-15	0.00000E+00	0.00000E+00	0.00000E+00

28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.34910E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.56550E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.24210E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.33570E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.31160E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.41340E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.77500E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.49830E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.44480E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.78389E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	2.29604E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.58788E-01	8.75465E-03	2.48436E-02	3.71058E-02	4.42793E-02
5	-2.21865E-03	1.52033E-02	3.43669E-02	3.32215E-02	2.46489E-02
6	0.00000E+00	9.39090E-03	1.36109E-02	1.35282E-02	2.42701E-02
7	0.00000E+00	1.15783E-02	-4.40110E-03	2.55744E-02	6.64368E-03
8	0.00000E+00	2.83308E-03	6.41953E-03	5.08756E-03	-9.30083E-04
9	1.42723E-05	1.89390E-03	3.69801E-03	1.56068E-03	-3.32873E-03
10	-1.44069E-06	1.48545E-03	2.73209E-03	5.24798E-04	-3.35625E-03
11	0.00000E+00	1.81892E-03	9.65604E-04	-9.55260E-04	-2.43601E-03
12	0.00000E+00	9.19889E-04	1.25912E-03	-3.24655E-04	-2.25770E-03
13	0.00000E+00	6.64863E-04	7.70495E-04	-4.33061E-04	-1.66332E-03
14	0.00000E+00	5.61942E-04	5.94668E-04	-4.17507E-04	-1.18130E-03
15	0.00000E+00	4.26155E-04	3.80920E-04	-3.84045E-04	-8.98897E-04
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 13

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.28050E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.11122E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	5.80885E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.94001E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.35928E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.37707E-02	3.73794E-02	5.12916E-02	5.40602E-02	4.07316E-02	1.14158E-01	1.65990E-01	1.88057E-01
5	2.27779E-03	1.57796E-03	7.94283E-04	-1.52923E-04	2.12527E-02	3.64685E-02	1.74063E-02	-1.37649E-03
6	3.83784E-04	2.57706E-04	-5.21916E-04	-5.94895E-04	3.67199E-03	-7.05027E-03	4.06432E-03	7.80071E-04
7	2.19137E-04	-3.38976E-04	-2.10921E-05	3.31977E-04	2.54367E-05	-1.66947E-05	-1.29993E-05	2.80824E-05
8	5.62239E-05	-1.13826E-05	4.25629E-05	-4.20928E-05	1.11600E-03	2.90698E-04	7.44756E-05	-1.48988E-05
9	6.27943E-05	1.05822E-05	4.85161E-06	2.19029E-06	2.92415E-04	6.37268E-05	-1.60420E-05	2.45905E-06
10	5.18017E-05	3.26520E-06	1.94568E-06	1.90829E-07	6.39553E-04	1.37586E-04	8.13961E-05	2.32927E-05
11	4.56343E-05	1.90083E-06	8.91540E-07	-5.91567E-08	5.33467E-04	-4.46202E-05	3.27329E-05	-4.66271E-05
12	2.52797E-05	9.46993E-07	1.22238E-06	1.23804E-06	4.53895E-04	5.92043E-06	3.49723E-05	9.93376E-07
13	6.51340E-05	2.72315E-05	1.07503E-06	-1.02609E-05	4.26281E-04	9.17485E-06	3.25693E-05	3.19305E-07
14	5.71904E-05	-5.56273E-06	-2.84096E-06	1.71010E-06	3.96664E-04	9.19593E-06	3.03630E-05	-4.94618E-07
15	5.77876E-05	-4.58484E-07	2.08158E-06	5.57857E-06	3.66101E-04	9.22550E-06	2.75508E-05	5.39828E-08
16	5.42666E-05	4.34976E-06	4.26551E-07	-5.51669E-07	4.27305E-04	1.06168E-05	3.18704E-05	-1.62819E-08
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	3.45597E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.76274E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.66397E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.16473E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.06758E-02	1.41787E-01	2.05409E-01	2.31285E-01	3.40572E-02	9.56668E-02	1.39453E-01	1.58649E-01
5	2.24670E-02	3.80959E-02	1.97281E-02	4.03538E-03	2.01536E-02	3.45928E-02	1.47581E-02	-5.42102E-03
6	3.61384E-03	-6.90413E-03	3.79186E-03	9.16939E-04	3.59228E-03	-7.18136E-03	4.60245E-03	4.76981E-04
7	1.97517E-05	-6.53617E-06	-2.14962E-06	-2.34978E-07	1.80007E-05	-1.18207E-05	-3.39689E-05	3.07709E-05
8	5.42457E-04	1.30854E-04	3.97043E-05	-4.26458E-06	1.65604E-03	3.90736E-04	1.40835E-04	-2.79016E-05
9	4.25281E-04	1.16834E-04	3.01505E-06	5.81774E-06	1.38844E-04	1.55927E-05	-2.70048E-05	-5.90410E-06

10	6.23629E-04	7.42178E-05	6.14108E-05	3.11016E-05	6.48998E-04	1.75116E-04	9.99681E-05	3.37650E-05
11	4.83165E-04	-3.22699E-05	3.03117E-05	-2.60652E-05	5.41263E-04	-4.22230E-05	2.98967E-05	-6.10931E-05
12	3.99748E-04	4.06082E-06	2.22294E-05	9.19442E-07	4.75555E-04	3.68871E-06	4.10949E-05	3.00697E-06
13	3.71921E-04	8.33720E-06	2.14876E-05	3.84792E-07	4.44934E-04	8.75315E-06	4.16752E-05	1.51234E-07
14	3.44353E-04	8.74885E-06	1.95066E-05	-2.60027E-07	4.11606E-04	9.38188E-06	3.94425E-05	-7.19367E-08
15	3.16828E-04	9.61972E-06	1.78845E-05	1.11984E-07	3.72103E-04	9.02627E-06	3.54909E-05	3.38193E-08
16	3.73477E-04	1.23376E-05	2.05017E-05	1.20309E-07	4.40660E-04	8.86383E-06	4.11270E-05	-4.33176E-08
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	4.73111E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.73735E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	6.30467E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.60762E-01	0.00000E+00	0.00000E+00
4	1.26725E-06	3.72914E-06	5.97855E-06	7.89040E-06	1.00000E+00	1.24060E-01	3.23546E-01	4.07517E-01
5	2.35302E-06	5.88778E-06	6.53425E-06	4.09550E-06	1.00000E+00	2.71557E-02	-1.22397E-02	-8.57759E-03
6	1.54610E-06	1.63067E-06	-1.92373E-06	-3.35488E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	1.63181E-06	-2.12529E-06	-1.29355E-06	3.67140E-06	1.25420E-04	0.00000E+00	0.00000E+00	0.00000E+00
8	7.45629E-07	-1.92131E-06	2.30320E-06	-1.79284E-06	1.25420E-04	0.00000E+00	0.00000E+00	0.00000E+00
9	4.10172E-09	9.07742E-09	7.19635E-09	6.97634E-10	1.21900E-15	5.30808E-07	1.54653E-06	2.42940E-06
10	1.16354E-08	-5.49020E-09	-1.19814E-08	-2.87694E-09	2.00800E-15	4.31502E-04	2.77572E-05	-3.12114E-05
11	4.84913E-08	4.54440E-08	-7.66883E-09	1.03452E-08	2.00500E-15	3.77989E-04	2.36820E-05	-1.21843E-05
12	6.04929E-08	3.79779E-08	5.63492E-08	1.63161E-09	5.54010E-15	3.23962E-04	4.09233E-06	8.81843E-06
13	8.90954E-08	1.31689E-08	-3.02867E-09	-2.21707E-08	2.49680E-14	3.25116E-04	4.44798E-06	9.12988E-06
14	5.55347E-08	7.95748E-09	5.33122E-09	1.33390E-08	1.23310E-13	4.72808E-04	6.61919E-06	1.33321E-05
15	6.54205E-08	-3.12741E-09	-7.11879E-09	1.27264E-08	1.23390E-14	5.75348E-04	7.58618E-06	1.59784E-05
16	6.52283E-08	2.91123E-08	3.46513E-09	-1.92586E-09	2.56380E-15	6.07944E-04	8.33873E-06	1.70381E-05
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.24610E-15	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.50990E-15	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.99020E-16	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.57060E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.90750E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.47890E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.73720E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21900E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.00800E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.00500E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.54010E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.49680E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.23310E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.23390E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.56380E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.24610E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.50990E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.99020E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.57060E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.82263E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	2.27382E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.74096E-01	1.72498E-03	5.12262E-03	8.36676E-03	1.13645E-02
5	4.69311E-03	3.50702E-03	9.53255E-03	1.30415E-02	1.36242E-02
6	0.00000E+00	2.68577E-03	5.45859E-03	4.30573E-03	3.14841E-03
7	0.00000E+00	1.94373E-03	2.14494E-03	2.57258E-03	5.23351E-03
8	0.00000E+00	2.05688E-03	-6.33848E-04	5.06282E-03	5.13220E-04
9	3.10676E-06	5.51831E-04	1.23467E-03	9.31328E-04	-2.82607E-04
10	8.23480E-07	3.68799E-04	7.10106E-04	2.74427E-04	-6.85173E-04
11	-5.19294E-06	2.93617E-04	5.31149E-04	7.88906E-05	-6.80088E-04

12	0.00000E+00	3.55987E-04	1.49036E-04	-1.66431E-04	-4.44272E-04
13	0.00000E+00	1.80054E-04	2.42420E-04	-7.73334E-05	-4.45906E-04
14	0.00000E+00	1.29393E-04	1.46577E-04	-8.61771E-05	-3.24914E-04
15	0.00000E+00	1.09712E-04	1.14558E-04	-8.34068E-05	-2.29724E-04
16	0.00000E+00	8.29838E-05	7.37083E-05	-7.72062E-05	-1.72979E-04
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 14

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.29421E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.03377E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	5.80817E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.34548E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.74374E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.09867E-02	4.43353E-02	5.36076E-02	5.52952E-02	1.21913E-01	2.84310E-01	3.03350E-01	2.41089E-01
5	1.04112E-02	4.52909E-03	2.64004E-03	-1.36589E-03	9.66650E-02	1.43148E-01	6.84658E-02	3.04793E-02
6	4.20893E-03	-4.12114E-04	5.81512E-04	-4.52124E-03	6.10059E-02	-5.94729E-02	-5.22622E-03	2.18521E-03
7	1.94570E-03	2.72632E-04	-3.68079E-03	-6.10469E-04	5.32656E-03	-1.19197E-02	1.19336E-02	-7.88045E-03
8	9.61550E-04	-1.78066E-03	9.04430E-04	6.47417E-04	1.77400E-04	-1.82078E-04	2.47308E-05	1.56828E-04
9	3.02697E-04	5.38895E-05	3.43204E-05	1.01168E-05	7.81416E-03	2.38347E-03	1.13871E-03	4.73065E-04
10	3.82947E-04	5.69629E-05	3.08104E-05	1.45862E-05	1.89572E-03	4.01986E-04	5.70322E-05	1.11222E-04
11	3.27830E-04	2.98028E-05	1.12960E-05	8.41761E-07	4.02902E-03	6.76055E-04	2.40993E-04	-7.49361E-05
12	2.65492E-04	4.60657E-06	2.89771E-06	-7.34629E-08	3.23989E-03	-9.41944E-05	1.47477E-04	-2.94907E-05
13	1.59808E-04	2.66019E-05	3.48870E-05	3.58644E-05	2.71832E-03	2.38895E-05	2.04857E-04	-7.03762E-07
14	3.94550E-04	1.17183E-04	-5.85745E-05	-1.15307E-04	2.54765E-03	4.60669E-05	1.89414E-04	-3.86418E-07
15	3.44188E-04	-2.95483E-05	-4.73393E-06	1.29017E-05	2.38712E-03	4.02981E-05	1.73963E-04	9.33330E-07
16	3.54194E-04	5.47791E-06	2.29277E-05	1.61284E-05	2.18202E-03	4.16320E-05	1.57324E-04	3.65451E-07
17	3.31786E-04	3.28687E-05	2.02546E-06	-5.97485E-06	2.58371E-03	5.23002E-05	1.86292E-04	-1.01049E-07
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	3.12516E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.73167E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.88096E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.58426E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.29794E-01	3.02662E-01	3.24944E-01	2.61951E-01	1.13578E-01	2.64111E-01	2.77422E-01	2.15071E-01
5	1.13900E-01	1.51971E-01	6.27309E-02	4.29607E-02	8.69800E-02	1.39461E-01	7.44538E-02	2.46611E-02
6	6.50254E-02	-6.78157E-02	-6.33463E-03	1.40497E-02	5.61627E-02	-5.27496E-02	-2.75533E-03	-6.94790E-03
7	5.11271E-03	-1.16647E-02	1.19161E-02	-7.96282E-03	4.61053E-03	-1.05397E-02	1.10234E-02	-7.53690E-03
8	1.46072E-04	-1.60283E-05	-2.98906E-05	1.02484E-04	1.74336E-04	-2.07616E-04	-1.91529E-04	4.36010E-04
9	3.77387E-03	1.07263E-03	5.80888E-04	2.04121E-04	1.15701E-02	3.28637E-03	1.92560E-03	5.40014E-04
10	2.77586E-03	6.07887E-04	8.72615E-05	1.36601E-04	9.07370E-04	2.09303E-04	2.38362E-05	1.05425E-04
11	3.85893E-03	4.88676E-04	2.44974E-04	-5.43621E-05	4.12239E-03	7.67890E-04	3.13109E-04	-9.18306E-05
12	2.91498E-03	-6.98689E-05	1.33671E-04	-1.28141E-05	3.29551E-03	-7.52920E-05	1.48471E-04	-5.22177E-05
13	2.39610E-03	1.80634E-05	1.31585E-04	2.28456E-06	2.84530E-03	1.26155E-06	2.47118E-04	1.63139E-05
14	2.22740E-03	4.52690E-05	1.25266E-04	-8.48446E-07	2.65269E-03	4.00640E-05	2.41601E-04	-1.14301E-07
15	2.06347E-03	4.44303E-05	1.12799E-04	1.69097E-06	2.48337E-03	3.55846E-05	2.26455E-04	9.76707E-07
16	1.89758E-03	4.99954E-05	1.02521E-04	-2.78131E-07	2.22085E-03	3.54801E-05	2.02054E-04	5.92462E-08
17	2.26498E-03	6.77426E-05	1.20717E-04	9.26329E-07	2.66641E-03	3.77300E-05	2.40000E-04	9.01532E-08
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	6.61091E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.63339E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.29191E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.40950E-01	0.00000E+00	0.00000E+00
4	8.74039E-06	2.33493E-05	3.05548E-05	2.88833E-05	1.00000E+00	2.14293E-01	2.59238E-01	3.34770E-01
5	1.37083E-05	3.30315E-05	3.31277E-05	1.47015E-05	1.00000E+00	1.36686E-01	-6.16489E-02	-2.85648E-02
6	1.28171E-05	2.43413E-05	8.26747E-06	-2.04514E-05	0.00000E+00	1.20467E-02	-2.32076E-02	1.53871E-02
7	8.71590E-06	3.42611E-06	-1.69377E-05	-8.57476E-06	1.25620E-04	0.00000E+00	0.00000E+00	0.00000E+00
8	1.14647E-05	-2.11696E-05	7.39498E-06	1.27732E-05	1.25620E-04	0.00000E+00	0.00000E+00	0.00000E+00
9	1.57006E-06	-4.30484E-06	5.95591E-06	-6.19287E-06	1.26820E-15	0.00000E+00	0.00000E+00	0.00000E+00
10	2.97948E-08	5.94666E-08	3.30992E-08	-1.47210E-08	2.43560E-15	8.19884E-04	3.46614E-04	-2.26335E-05

11	6.14939E-08	-4.70751E-08	-5.66469E-08	1.43181E-08	2.43110E-15	1.50255E-03	-3.51728E-04	-1.69289E-04
12	3.15018E-07	2.38001E-07	-5.12688E-08	7.75523E-08	6.62250E-15	2.20228E-03	4.96035E-05	-2.06101E-05
13	3.77774E-07	2.80748E-07	3.42864E-07	-1.21249E-08	2.53150E-14	1.92291E-03	2.33930E-05	5.13718E-05
14	5.11879E-07	1.96912E-08	-9.67993E-08	-1.65868E-07	1.23570E-13	1.97517E-03	2.45493E-05	5.31039E-05
15	3.21990E-07	5.06976E-08	4.24053E-08	8.03991E-08	1.27780E-14	2.90696E-03	3.73370E-05	7.83329E-05
16	3.80447E-07	-2.91030E-08	-8.89587E-09	6.91618E-08	4.31540E-15	3.45888E-03	4.21341E-05	9.27900E-05
17	3.89179E-07	1.67363E-07	2.12555E-08	-1.76744E-08	4.08450E-15	3.67003E-03	4.67035E-05	9.89397E-05
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.48280E-15	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.16620E-16	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.38760E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.26290E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.99140E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04420E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.26820E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.43560E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.43110E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.62250E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.53150E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.23570E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27780E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.31540E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.08450E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.48280E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.16620E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.38760E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.91206E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	2.34223E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.46416E-01	1.10027E-02	3.09843E-02	4.56041E-02	5.33603E-02
5	7.67196E-03	1.96131E-02	5.28357E-02	7.10754E-02	7.27305E-02
6	-8.36941E-03	1.94005E-02	4.67302E-02	4.96993E-02	3.59425E-02
7	0.00000E+00	1.43195E-02	2.58293E-02	1.87274E-02	2.14182E-02
8	0.00000E+00	1.33851E-02	7.49983E-03	1.54189E-02	3.56281E-02
9	0.00000E+00	9.99315E-03	-1.01980E-04	2.76851E-02	-2.09221E-03
10	-7.00255E-06	3.22345E-03	7.10721E-03	5.05169E-03	-2.28714E-03
11	2.70208E-05	2.15341E-03	4.08205E-03	1.41236E-03	-4.23079E-03
12	1.15126E-05	1.73731E-03	3.07455E-03	2.91008E-04	-4.11810E-03
13	0.00000E+00	2.06789E-03	6.72744E-04	-7.04551E-04	-2.55621E-03
14	0.00000E+00	1.05019E-03	1.35896E-03	-5.66609E-04	-2.67974E-03
15	0.00000E+00	7.53526E-04	8.40851E-04	-5.18144E-04	-1.89753E-03
16	0.00000E+00	6.43424E-04	6.57890E-04	-4.94335E-04	-1.35522E-03
17	0.00000E+00	4.85139E-04	4.24729E-04	-4.67095E-04	-9.94525E-04
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 15

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.30261E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.28279E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	5.70801E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.99301E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.79694E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.77578E-02	4.85001E-02	5.47224E-02	4.98374E-02	1.75993E-01	2.72667E-01	3.28108E-01	2.31832E-01
5	7.02333E-03	1.57713E-03	-5.11437E-05	-3.23165E-03	7.71704E-02	-6.04162E-02	3.07586E-02	6.82248E-03
6	1.43546E-03	7.42844E-04	-1.50247E-03	-8.70709E-04	2.44868E-02	-5.09835E-02	4.06891E-02	-9.27344E-03
7	3.23087E-03	-9.14437E-04	-4.70365E-03	6.43379E-04	6.89260E-03	-1.59270E-02	1.85108E-02	-1.72367E-02
8	2.70751E-03	-3.94445E-03	3.71404E-04	1.93878E-03	5.78102E-04	-7.96081E-04	4.23405E-04	-2.90648E-05
9	9.88210E-04	-6.01220E-04	1.06756E-03	-7.65661E-04	2.59328E-02	1.56066E-02	1.97110E-03	5.41836E-04

10	1.09583E-03	1.45313E-04	1.01747E-04	4.98827E-05	1.82342E-02	-4.51557E-03	-3.68786E-04	4.97534E-04
11	1.16480E-03	1.64631E-04	7.88533E-05	3.41315E-05	5.47664E-03	4.11546E-04	-1.89293E-04	9.03761E-06
12	1.00762E-03	5.64485E-05	3.42161E-05	2.92624E-06	1.22076E-02	4.84199E-04	1.26754E-03	1.53194E-04
13	7.06712E-04	-1.83648E-06	7.19757E-07	-3.59750E-07	9.46250E-03	-1.31767E-04	-7.33972E-05	-1.48051E-04
14	6.19267E-04	3.45957E-04	3.04272E-04	1.26942E-04	7.92912E-03	2.66196E-05	5.42976E-04	-4.85683E-07
15	1.19239E-03	-6.97126E-06	-3.80641E-04	-9.16747E-05	7.43075E-03	5.91364E-05	4.88030E-04	8.08810E-07
16	1.01432E-03	-4.08160E-05	6.26673E-05	8.20176E-05	6.94587E-03	4.38640E-05	4.67336E-04	3.09533E-06
17	1.06189E-03	2.50099E-05	9.73413E-05	-6.70991E-05	6.35705E-03	5.31407E-05	4.14542E-04	-3.65456E-07
18	9.94968E-04	6.42575E-05	-3.24577E-06	4.40497E-06	7.72570E-03	8.38203E-05	5.07940E-04	-6.76873E-08
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	2.10820E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.64542E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.76851E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.77426E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.79390E-01	2.53816E-01	3.16139E-01	2.38811E-01	1.69544E-01	2.83280E-01	3.32960E-01	2.17544E-01
5	8.63029E-02	-6.32116E-02	3.20682E-02	1.02812E-02	6.61622E-02	-5.76568E-02	3.18557E-02	2.59741E-03
6	2.97579E-02	-6.50403E-02	5.59595E-02	-1.88444E-02	1.91023E-02	-4.00131E-02	3.21944E-02	-6.72345E-03
7	6.37849E-03	-1.51753E-02	1.79609E-02	-1.61380E-02	6.00877E-03	-1.41345E-02	1.74587E-02	-1.79872E-02
8	4.81099E-04	-4.21900E-04	3.07350E-04	-9.01015E-05	6.07075E-04	-8.68543E-04	-1.49072E-05	4.90983E-04
9	1.21839E-02	7.02893E-03	1.14511E-03	2.14790E-04	3.87392E-02	2.22255E-02	3.75865E-03	5.46726E-04
10	1.33661E-02	6.21095E-04	3.47506E-04	4.74057E-04	2.24432E-02	-9.36014E-03	-9.46803E-04	4.44379E-04
11	6.01088E-03	-4.18840E-04	-1.39038E-04	2.83850E-05	4.56748E-03	1.26392E-03	-1.92361E-04	-1.33596E-05
12	1.17552E-02	6.73683E-05	6.64113E-04	1.12589E-04	1.23345E-02	8.17827E-04	1.85163E-03	2.02956E-04
13	8.46621E-03	-2.81675E-05	1.23286E-04	-6.97436E-05	9.80220E-03	-1.96721E-04	-2.58765E-04	-2.16203E-04
14	7.00567E-03	3.90793E-05	3.63975E-04	4.50127E-06	8.25237E-03	-7.28660E-05	7.03313E-04	3.03738E-05
15	6.51248E-03	8.67094E-05	3.19445E-04	6.74463E-07	7.70071E-03	2.63675E-05	6.31330E-04	1.30786E-06
16	6.02057E-03	8.53342E-05	3.05874E-04	-6.07171E-07	7.18966E-03	6.64263E-06	5.95869E-04	1.56245E-06
17	5.54239E-03	1.01470E-04	2.67791E-04	-1.11314E-06	6.49986E-03	1.33731E-05	5.28220E-04	-4.46887E-06
18	6.82588E-03	1.56061E-04	3.31732E-04	-9.32786E-07	8.03808E-03	2.04264E-05	6.56257E-04	1.67321E-06
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	3.93249E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.30367E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	8.02152E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.04580E-01	0.00000E+00	0.00000E+00
4	2.60569E-05	5.30354E-05	3.63887E-05	7.00601E-06	1.00000E+00	1.96573E-01	1.89331E-01	2.61109E-01
5	3.71291E-05	4.07509E-05	-2.64281E-05	-4.06373E-05	1.00000E+00	2.66354E-02	-2.30555E-02	6.07317E-03
6	2.93868E-05	1.24984E-05	-4.91385E-05	-2.46702E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	2.99134E-05	-4.88570E-06	-5.07751E-05	6.26060E-06	1.26330E-04	0.00000E+00	0.00000E+00	0.00000E+00
8	2.92057E-05	-4.64891E-05	7.75016E-06	2.13282E-05	1.26330E-04	0.00000E+00	0.00000E+00	0.00000E+00
9	1.08566E-05	-2.67327E-05	2.91753E-05	-1.95570E-05	1.04310E-15	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.42510E-15	0.00000E+00	0.00000E+00	0.00000E+00
11	1.30612E-07	1.71294E-07	-1.65355E-08	-6.81786E-08	2.42250E-15	3.65452E-03	1.69942E-04	-1.49130E-04
12	1.27245E-07	-1.26794E-07	1.02529E-07	1.48841E-07	7.34060E-15	4.95111E-03	5.00060E-04	-5.71916E-04
13	1.07785E-06	4.56631E-07	-5.16566E-08	1.69844E-07	2.48680E-14	6.59840E-03	-7.94381E-05	6.13321E-05
14	1.25564E-06	9.92487E-07	4.47612E-07	-1.07755E-07	1.21780E-13	5.80494E-03	7.47038E-05	1.34132E-04
15	1.30135E-06	-4.44108E-07	-4.59993E-07	-1.05609E-08	1.38740E-14	6.08241E-03	8.03091E-05	1.41430E-04
16	8.82127E-07	2.44343E-07	2.09341E-07	3.14749E-07	5.75740E-15	9.40404E-03	1.27352E-04	2.19420E-04
17	9.87222E-07	-9.16384E-08	1.40394E-07	-4.13240E-08	2.93690E-15	1.05175E-02	1.38616E-04	2.42966E-04
18	1.11523E-06	4.44698E-07	9.09633E-09	-2.62200E-08	2.66210E-15	1.12024E-02	1.50589E-04	2.61115E-04
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.57990E-16	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.02020E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.96580E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.33590E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.38210E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04310E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.42510E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.42250E-15	0.00000E+00	0.00000E+00	0.00000E+00

28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.34060E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.48680E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21780E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.38740E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.75740E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93690E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.66210E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.57990E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.02020E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	2.49739E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	2.58546E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.62280E-01	3.64299E-02	9.05806E-02	1.07576E-01	1.02018E-01
5	-3.87425E-03	4.92173E-02	1.03153E-01	9.46708E-02	8.84792E-02
6	0.00000E+00	4.32987E-02	8.17872E-02	6.57773E-02	7.25937E-02
7	0.00000E+00	4.29560E-02	6.72123E-02	5.02709E-02	7.90523E-02
8	0.00000E+00	4.22165E-02	2.34296E-02	6.16567E-02	8.62020E-02
9	0.00000E+00	4.24434E-02	-1.55823E-02	1.02659E-01	1.08637E-02
10	0.00000E+00	1.44956E-02	2.94330E-02	3.45818E-02	3.00114E-03
11	6.57729E-05	8.78190E-03	1.84056E-02	1.04018E-02	-1.12762E-02
12	-1.25558E-05	5.85148E-03	1.05450E-02	2.24785E-03	-1.34230E-02
13	1.09062E-05	4.95658E-03	8.17420E-03	-2.76217E-04	-1.15156E-02
14	0.00000E+00	5.00383E-03	1.87815E-03	-4.81392E-04	-7.74105E-03
15	0.00000E+00	2.83838E-03	3.24973E-03	-2.14219E-03	-7.17280E-03
16	0.00000E+00	2.02226E-03	2.19176E-03	-1.59821E-03	-5.18079E-03
17	0.00000E+00	1.72300E-03	1.62655E-03	-1.62730E-03	-3.92161E-03
18	0.00000E+00	1.33656E-03	1.07326E-03	-1.35029E-03	-2.59765E-03
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 16

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.14893E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.12099E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	5.11527E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	5.34633E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.54239E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.93119E-02	4.57589E-02	4.60151E-02	4.25610E-02	1.59611E-01	2.09285E-01	2.60597E-01	1.76362E-01
5	8.09569E-03	-1.50203E-03	-3.21295E-03	-9.13523E-04	2.95819E-02	-2.48699E-02	2.38817E-02	-1.30983E-02
6	1.96191E-03	-4.18096E-03	3.27308E-03	-7.79467E-04	3.97429E-04	-3.81745E-04	9.00295E-05	2.06169E-04
7	2.50223E-04	-2.19613E-04	4.04130E-04	-3.97957E-04	3.65690E-04	-3.78161E-04	2.33118E-04	5.42250E-05
8	3.80519E-04	-2.82643E-04	4.99787E-04	-4.83916E-04	3.34987E-04	-3.33900E-04	2.81669E-04	-7.25583E-05
9	7.77181E-04	2.62742E-04	8.38160E-05	2.15308E-05	2.72402E-02	1.64860E-02	1.30614E-03	4.24941E-04
10	1.58926E-03	1.16228E-04	1.14250E-04	6.70920E-05	2.13154E-02	-1.23408E-02	-4.69770E-04	7.31301E-04
11	9.00139E-04	1.80292E-04	7.77985E-05	4.07475E-05	5.92714E-03	1.57391E-03	5.01840E-04	2.06262E-04
12	1.08051E-03	7.23689E-05	5.14924E-05	1.75743E-05	7.05139E-03	1.67331E-03	1.43695E-05	-4.24630E-07
13	9.62274E-04	7.09322E-05	2.95678E-05	2.57748E-06	1.10978E-02	-4.50536E-04	9.55487E-04	1.32685E-04
14	6.47994E-04	1.76378E-07	2.93874E-08	-4.08054E-08	8.75182E-03	-3.37526E-04	3.64959E-05	5.15356E-05
15	7.90522E-04	4.31767E-04	-3.11474E-05	-2.89948E-04	7.41916E-03	2.67842E-05	4.29403E-04	-3.58792E-06
16	1.19259E-03	-1.94868E-04	2.34525E-05	2.31129E-04	6.93541E-03	3.53333E-05	4.08324E-04	-3.68985E-07
17	1.02392E-03	6.61405E-05	9.63688E-05	-4.08452E-05	6.46435E-03	3.07959E-05	3.69394E-04	9.54711E-07
18	1.06642E-03	8.69099E-05	-6.72508E-06	-2.18041E-05	6.01566E-03	3.77050E-05	3.38146E-04	1.94686E-07
19	1.00773E-03	6.25442E-05	2.76940E-05	-4.75054E-06	7.70427E-03	6.16922E-05	4.34886E-04	-6.15157E-07
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.28627E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.61531E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.70183E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.38021E-01	0.00000E+00	0.00000E+00	0.00000E+00

4	1.75103E-01	2.31399E-01	2.84966E-01	1.98342E-01	1.45448E-01	1.89689E-01	2.39865E-01	1.52504E-01
5	2.93284E-02	-2.89322E-02	2.24714E-02	-1.04564E-02	2.78652E-02	-2.02258E-02	2.43444E-02	-1.52280E-02
6	3.53088E-04	-1.92056E-04	2.33404E-05	1.71979E-04	5.60151E-04	-8.69739E-04	1.63088E-05	6.63220E-04
7	4.17059E-04	-9.32264E-05	2.37860E-04	9.38638E-05	5.38578E-04	-1.02663E-03	4.86292E-04	2.94745E-04
8	5.01851E-04	-1.04626E-04	1.48219E-04	2.46218E-06	4.74594E-04	-9.91555E-04	6.66356E-04	6.20014E-05
9	1.27233E-02	7.51704E-03	7.82138E-04	1.40915E-04	4.04136E-02	2.41496E-02	2.32900E-03	3.49432E-04
10	1.06064E-02	-5.52006E-03	-3.44591E-04	3.60294E-04	3.11715E-02	-1.84298E-02	-6.66278E-04	1.06785E-03
11	1.17673E-02	3.01104E-03	1.05455E-03	5.04127E-04	9.84376E-05	2.71548E-05	5.77586E-06	-6.41579E-06
12	6.99541E-03	1.64054E-03	-8.64454E-05	-1.03680E-05	6.85631E-03	1.69075E-03	1.69207E-04	4.12974E-05
13	1.00221E-02	-7.32886E-04	5.71278E-04	8.05047E-05	1.14719E-02	-1.69650E-04	1.34311E-03	1.29228E-04
14	7.62505E-03	-1.13829E-04	1.31838E-04	2.81820E-05	9.16081E-03	-5.03357E-04	-3.22390E-05	8.76004E-05
15	6.59867E-03	4.11186E-05	2.93670E-04	-2.72709E-06	7.63705E-03	-3.11631E-05	5.75398E-04	-1.88996E-05
16	6.12217E-03	6.45147E-05	2.74497E-04	-1.81956E-06	7.13234E-03	6.59412E-06	5.10725E-04	2.38673E-06
17	5.64156E-03	6.23546E-05	2.44492E-04	2.83077E-06	6.62028E-03	1.72409E-07	4.70344E-04	-1.45500E-06
18	5.25038E-03	7.59874E-05	2.20681E-04	-1.37225E-06	6.18234E-03	4.16506E-06	4.29554E-04	-1.08002E-06
19	6.95024E-03	1.31020E-04	2.93305E-04	1.39708E-06	7.91778E-03	4.04725E-06	5.58270E-04	1.31640E-07
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	4.63459E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.91987E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.04530E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.07939E-01	0.00000E+00	0.00000E+00
4	3.07631E-05	6.71153E-05	5.68304E-05	2.54629E-05	1.00000E+00	1.95603E-01	1.68520E-01	2.24821E-01
5	3.70034E-05	-1.93303E-06	-3.76582E-05	2.94359E-08	1.00000E+00	7.98340E-03	-6.66240E-03	1.76626E-03
6	2.04395E-05	-3.74349E-05	1.47452E-05	1.33306E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	1.39523E-05	-2.97771E-05	2.11146E-05	1.24010E-06	1.27390E-04	0.00000E+00	0.00000E+00	0.00000E+00
8	1.05333E-05	-2.49010E-05	2.41248E-05	-1.06390E-05	1.27390E-04	0.00000E+00	0.00000E+00	0.00000E+00
9	1.58340E-06	-4.32436E-06	5.93112E-06	-6.06895E-06	8.45070E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.73410E-15	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.73370E-15	0.00000E+00	0.00000E+00	0.00000E+00
12	1.68090E-07	6.78962E-08	-3.31701E-08	1.26360E-08	7.46220E-15	4.28038E-03	2.90907E-04	-2.05959E-04
13	1.85573E-07	3.18340E-07	3.38883E-07	1.01501E-08	2.35690E-14	6.81681E-03	1.35683E-04	-5.25629E-04
14	8.47933E-07	-1.51328E-07	-4.02400E-07	-4.68054E-08	1.07390E-13	5.81352E-03	5.21999E-05	4.19691E-05
15	1.40728E-06	5.60696E-07	-1.51029E-07	-2.57910E-07	1.40900E-14	5.92140E-03	8.64423E-05	1.29830E-04
16	9.46216E-07	-6.46119E-07	1.85411E-07	2.26451E-07	6.09260E-15	6.37504E-03	8.68613E-05	1.38590E-04
17	8.11423E-07	3.30220E-07	2.06012E-07	-1.61674E-09	2.20110E-15	9.86230E-03	1.26762E-04	2.13844E-04
18	7.60406E-07	4.85361E-08	2.36404E-08	3.24490E-08	2.02350E-15	1.06897E-02	1.52812E-04	2.33969E-04
19	1.00171E-06	2.66825E-07	-6.44534E-08	-7.01712E-08	3.07180E-16	1.12308E-02	1.51387E-04	2.44524E-04
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.70110E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.90870E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.49050E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.56920E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.45070E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.73410E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.73370E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.46220E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.35690E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07390E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.40900E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.09260E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.20110E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.02350E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.07180E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.70110E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	2.86790E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

3	0.00000E+00	2.80181E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.20670E-01	3.37641E-02	8.39586E-02	1.00164E-01	9.64310E-02
5	-1.13281E-03	5.23258E-02	7.49042E-02	6.42648E-02	9.36442E-02
6	0.00000E+00	4.30684E-02	1.94179E-02	7.12754E-02	8.23122E-02
7	0.00000E+00	3.96018E-02	1.42066E-02	7.93026E-02	6.01127E-02
8	0.00000E+00	3.65527E-02	1.26682E-02	8.16747E-02	4.36267E-02
9	0.00000E+00	2.50386E-02	2.19640E-02	6.84906E-02	5.77951E-03
10	0.00000E+00	1.45699E-02	3.41578E-02	3.21208E-02	5.05839E-03
11	0.00000E+00	1.16239E-02	2.57800E-02	1.87226E-02	-7.57416E-03
12	6.95933E-05	7.59817E-03	1.46676E-02	5.12425E-03	-1.48718E-02
13	1.30361E-05	5.00294E-03	8.51651E-03	-4.74836E-05	-1.35066E-02
14	2.13996E-06	4.78684E-03	6.99845E-03	-9.00372E-04	-1.00421E-02
15	0.00000E+00	3.47633E-03	2.77153E-03	-8.38216E-04	-8.92085E-03
16	0.00000E+00	2.42927E-03	2.47043E-03	-1.96930E-03	-5.84697E-03
17	0.00000E+00	1.72106E-03	1.80551E-03	-1.68807E-03	-4.63828E-03
18	0.00000E+00	1.44136E-03	1.23719E-03	-1.75074E-03	-3.16815E-03
19	0.00000E+00	1.17387E-03	8.24032E-04	-1.21758E-03	-2.21530E-03
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 17

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	1.60761E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.19818E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	3.52706E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	5.61772E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.63377E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.40610E-02	4.82762E-02	4.43453E-02	3.99819E-02	1.80262E-01	2.07243E-01	2.58688E-01	1.37717E-01
5	1.20838E-02	-6.64289E-03	-2.45725E-03	1.34211E-03	3.74020E-02	-3.47204E-02	2.52666E-02	-1.62598E-02
6	1.55125E-03	-2.69126E-03	2.49929E-03	-1.09905E-03	1.10530E-03	1.19647E-03	2.00544E-03	1.31216E-03
7	8.55177E-04	4.27947E-04	8.92766E-05	1.94005E-06	3.50330E-02	2.61450E-02	-3.80970E-03	-3.07430E-03
8	1.97082E-03	2.46703E-04	-2.93117E-05	1.95722E-04	4.88890E-02	3.46799E-03	-4.02562E-04	9.50088E-04
9	2.19883E-03	3.27266E-04	1.38729E-04	7.16094E-05	5.14844E-02	3.75082E-03	-4.19573E-04	9.28762E-04
10	2.16608E-03	1.22637E-04	1.37693E-04	7.92651E-05	2.27880E-02	-1.29957E-02	-1.08987E-03	6.25635E-04
11	9.65274E-04	1.61616E-04	7.85890E-05	3.19175E-05	8.54741E-03	5.32375E-03	4.76064E-04	1.20562E-04
12	1.66781E-03	2.70697E-04	1.33845E-04	6.12243E-05	7.84404E-03	-1.03936E-03	-4.72819E-04	7.93205E-06
13	1.25097E-03	5.38776E-05	3.46693E-05	7.04774E-06	1.12556E-02	1.31970E-03	5.09341E-04	7.10967E-05
14	1.18879E-03	6.40576E-05	2.87453E-05	2.19778E-06	1.24562E-02	-2.47547E-04	7.30160E-04	-5.29680E-05
15	7.70043E-04	1.66601E-07	3.42557E-07	1.49396E-07	1.04421E-02	-7.77454E-04	2.62981E-04	7.86505E-05
16	1.30983E-03	2.71710E-04	-1.51131E-04	2.48270E-04	8.78671E-03	3.86021E-05	4.30399E-04	-9.76671E-07
17	1.48255E-03	-6.97679E-05	1.25187E-04	-1.95086E-04	8.18076E-03	2.70841E-05	3.87610E-04	8.65609E-07
18	1.40644E-03	1.25211E-04	1.49604E-05	-2.90855E-05	7.63263E-03	3.04043E-05	3.65737E-04	-1.11625E-06
19	1.43746E-03	5.66658E-05	2.12912E-05	3.96789E-06	7.59970E-03	3.89145E-05	3.56037E-04	-3.99737E-08
20	1.33717E-03	7.57346E-05	3.95320E-05	-4.69064E-06	1.00232E-02	6.68571E-05	4.74211E-04	5.54496E-07
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	8.89888E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.68049E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.79294E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.47695E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.04611E-01	2.13512E-01	2.82639E-01	1.54876E-01	1.58085E-01	2.01630E-01	2.37236E-01	1.19190E-01
5	4.15881E-02	-3.88119E-02	2.77561E-02	-1.74205E-02	3.17444E-02	-2.80457E-02	2.05679E-02	-1.53681E-02
6	9.49950E-04	5.13462E-04	9.71402E-04	5.90932E-04	1.40141E-03	1.27715E-03	3.30213E-03	1.93061E-03
7	1.63011E-02	1.18180E-02	-1.59215E-03	-1.40095E-03	5.17534E-02	3.88420E-02	-5.50504E-03	-4.77540E-03
8	2.26776E-02	1.97636E-03	8.80484E-05	5.20502E-04	7.23207E-02	5.05852E-03	-7.35021E-04	1.30418E-03
9	2.41756E-02	2.20883E-03	-1.71217E-04	3.61805E-04	7.60444E-02	5.37874E-03	-6.14579E-04	1.41451E-03
10	1.14917E-02	-5.90882E-03	-5.76884E-04	3.21783E-04	3.31545E-02	-1.93939E-02	-1.61126E-03	9.24422E-04
11	1.69055E-02	1.07042E-02	1.17159E-03	3.38624E-04	1.68284E-04	1.42809E-05	-2.29609E-05	-6.08322E-06
12	1.36737E-02	-3.30574E-03	-7.00048E-04	1.69381E-04	2.06626E-03	1.16234E-03	-1.83306E-04	-1.01334E-04
13	1.15182E-02	1.51008E-03	1.85055E-04	3.83272E-05	1.08513E-02	1.17489E-03	8.31001E-04	1.01238E-04
14	1.13154E-02	-7.48162E-04	4.69741E-04	5.35209E-06	1.26824E-02	1.81478E-04	9.67705E-04	-8.18897E-05
15	9.48874E-03	-3.08731E-04	2.44849E-04	3.14312E-05	1.07255E-02	-1.15235E-03	2.90677E-04	1.05166E-04

16	7.85727E-03	5.96339E-05	2.90237E-04	-3.08389E-06	8.97397E-03	7.49128E-06	5.38206E-04	-8.16790E-07
17	7.26130E-03	5.32385E-05	2.59815E-04	2.65891E-06	8.36510E-03	3.82483E-06	4.97677E-04	1.63665E-06
18	6.73186E-03	6.24839E-05	2.45019E-04	-3.09302E-06	7.73134E-03	2.29218E-07	4.62096E-04	-2.41670E-06
19	6.66659E-03	7.74396E-05	2.33088E-04	2.52033E-06	7.76431E-03	2.45914E-06	4.54016E-04	3.96691E-06
20	9.22535E-03	1.45335E-04	3.25253E-04	-1.15479E-06	1.01706E-02	3.73113E-06	6.02421E-04	-1.36366E-06
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	5.01013E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.60800E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.15337E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.71007E-01	0.00000E+00	0.00000E+00
4	4.70671E-05	8.90061E-05	5.76670E-05	2.26697E-05	1.00000E+00	1.64640E-01	1.15155E-01	1.54993E-01
5	5.98408E-05	-2.40629E-05	-3.51343E-05	3.69310E-06	1.00000E+00	1.23176E-02	-1.11411E-02	1.16300E-03
6	1.32209E-05	-2.75605E-05	1.97127E-05	-3.31381E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28640E-04	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.92750E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.72500E-15	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.72360E-15	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.89110E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	1.87061E-07	-4.85671E-09	-2.33715E-08	-7.20436E-09	2.18100E-14	7.56738E-03	2.63966E-04	-4.29358E-04
14	3.73368E-07	4.42554E-07	-1.20160E-07	-1.86513E-07	6.81290E-14	8.77818E-03	2.42468E-04	-4.75646E-04
15	6.97802E-07	-3.98109E-07	6.86675E-08	3.99416E-07	1.06760E-14	7.70495E-03	-2.86305E-05	1.32295E-04
16	1.89613E-06	-7.46554E-08	-1.40178E-07	2.21710E-07	5.54530E-15	7.49380E-03	1.29952E-06	1.40681E-04
17	7.34378E-07	-1.73988E-07	3.35461E-07	-5.98165E-08	1.90270E-15	8.77389E-03	7.28628E-06	1.63815E-04
18	9.10930E-07	2.36560E-07	-2.40111E-07	-5.33396E-08	1.80890E-15	1.25954E-02	1.15297E-05	2.36107E-04
19	8.06488E-07	5.98362E-08	2.63845E-08	-5.94274E-08	2.87870E-16	1.35808E-02	2.23805E-06	2.54867E-04
20	1.14970E-06	2.53091E-07	-8.68927E-09	9.67864E-08	4.67190E-15	1.41377E-02	9.58484E-06	2.65450E-04
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.43420E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21170E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.79810E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.92750E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.72500E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.72360E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.89110E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.18100E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.81290E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06760E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.54530E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.90270E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.80890E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.87870E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.67190E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.67579E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	3.10700E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.48306E-01	4.94817E-02	1.15051E-01	1.27943E-01	1.25607E-01
5	-1.56029E-03	7.74613E-02	9.69204E-02	9.54319E-02	1.35704E-01
6	0.00000E+00	4.67290E-02	2.96064E-02	1.04950E-01	4.91003E-02
7	0.00000E+00	2.55199E-02	4.97393E-02	6.51333E-02	9.75183E-03
8	0.00000E+00	2.23408E-02	5.24348E-02	5.14483E-02	1.13260E-02
9	0.00000E+00	2.13813E-02	5.02154E-02	4.66482E-02	6.84572E-03
10	0.00000E+00	1.90230E-02	4.34661E-02	3.53285E-02	-4.48109E-03
11	0.00000E+00	1.62606E-02	3.53704E-02	2.35986E-02	-1.48444E-02
12	0.00000E+00	1.30451E-02	2.65508E-02	1.25329E-02	-2.12380E-02
13	1.07702E-04	8.52393E-03	1.50659E-02	1.53877E-03	-2.13216E-02

14	-2.19539E-06	5.67688E-03	9.06073E-03	-2.02083E-03	-1.62390E-02
15	1.66187E-06	6.04031E-03	7.33372E-03	-2.41182E-03	-1.28576E-02
16	0.00000E+00	3.49629E-03	3.96970E-03	-3.20737E-03	-8.81497E-03
17	0.00000E+00	2.62186E-03	2.64392E-03	-2.64808E-03	-6.96129E-03
18	0.00000E+00	1.95970E-03	1.92123E-03	-2.32297E-03	-5.07555E-03
19	0.00000E+00	1.62121E-03	1.18728E-03	-2.01919E-03	-3.23745E-03
20	0.00000E+00	1.34026E-03	8.57929E-04	-1.50469E-03	-2.42993E-03
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 18

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	7.57702E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.51871E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	1.00270E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.06481E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.44421E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	4.96638E-02	6.27906E-02	5.51951E-02	3.90840E-02	2.02351E-01	1.55148E-01	2.29782E-01	8.30050E-02
5	1.25603E-02	-6.36396E-03	1.03293E-03	-9.16767E-04	3.49658E-02	-3.59754E-02	3.30326E-02	-2.20709E-02
6	1.32957E-03	-1.48067E-03	1.88284E-03	-1.34149E-03	3.17079E-03	4.30758E-03	2.18829E-03	-4.07482E-04
7	2.93479E-03	4.18396E-04	1.53871E-04	7.82785E-05	5.21554E-02	3.77190E-03	-4.69115E-03	2.64352E-05
8	3.51459E-03	6.68682E-05	1.73074E-04	1.26164E-04	1.67552E-02	-2.25764E-02	3.16349E-03	3.85808E-03
9	2.17837E-03	1.18023E-04	2.83357E-04	-5.18899E-05	9.74013E-04	2.04348E-04	-1.41793E-04	-2.68044E-04
10	1.68216E-03	1.46134E-04	1.13703E-04	4.76703E-05	1.22381E-03	6.42780E-04	7.88552E-04	8.07910E-04
11	1.70218E-03	2.04146E-04	9.66796E-05	5.02690E-05	1.64549E-02	5.54935E-03	-2.89056E-04	-2.05894E-04
12	2.46477E-03	3.42950E-04	1.53348E-04	8.04588E-05	1.07642E-02	-3.57312E-03	-4.12728E-04	2.01654E-04
13	2.74475E-03	2.40126E-04	1.31360E-04	6.13060E-05	5.79771E-03	7.93728E-04	-5.13671E-04	-5.08061E-05
14	1.53539E-03	7.58050E-05	4.01168E-05	2.55660E-06	1.77349E-02	1.34716E-03	1.24885E-03	2.69916E-04
15	1.40031E-03	1.90495E-05	1.29728E-05	2.11706E-07	1.35303E-02	-5.63053E-04	-1.43924E-04	-2.44251E-04
16	9.58132E-04	3.22001E-05	3.63751E-05	3.30433E-05	1.15249E-02	-1.71153E-05	4.62346E-04	-2.42733E-05
17	2.22387E-03	2.35384E-04	9.02195E-05	-1.92304E-04	1.04038E-02	3.54102E-05	3.86472E-04	1.40162E-06
18	2.10815E-03	-4.84414E-05	-5.37827E-05	3.74100E-05	9.62887E-03	2.58754E-05	3.71822E-04	-1.41322E-06
19	2.11525E-03	1.01998E-04	9.75239E-06	-1.61120E-05	9.00727E-03	3.02847E-05	3.31820E-04	1.20836E-06
20	2.05807E-03	7.80093E-05	3.73877E-05	-1.63873E-05	1.01536E-02	4.07129E-05	3.69444E-04	3.53037E-07
21	1.90841E-03	1.18037E-04	3.83733E-05	-3.31059E-05	1.36998E-02	7.13078E-05	5.09181E-04	2.35613E-07
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	6.56694E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.97032E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.66437E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.26498E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.34638E-01	1.67023E-01	2.56919E-01	8.99008E-02	1.75325E-01	1.34330E-01	2.06545E-01	7.35070E-02
5	4.20704E-02	-4.40279E-02	3.68008E-02	-2.38769E-02	2.78529E-02	-2.84230E-02	2.82257E-02	-1.99446E-02
6	2.01348E-03	1.99192E-03	1.00245E-03	-1.33617E-04	4.20520E-03	6.20596E-03	3.34778E-03	-4.87008E-04
7	2.47943E-02	1.96289E-03	-2.08895E-03	1.17524E-05	7.67681E-02	5.54331E-03	-6.98045E-03	4.12720E-05
8	9.04123E-03	-1.01311E-02	1.37228E-03	1.73074E-03	2.38636E-02	-3.37515E-02	4.67026E-03	5.73306E-03
9	1.76238E-03	-1.61191E-04	-2.46163E-04	-1.64686E-04	2.42226E-04	8.96954E-05	-6.41604E-05	-1.19383E-04
10	1.87983E-03	6.12354E-04	1.19833E-03	1.16444E-03	2.35134E-04	-2.89699E-05	-4.35138E-05	1.37447E-05
11	3.39437E-02	1.17383E-02	-1.78153E-04	-1.19350E-04	1.97954E-04	4.15275E-06	-2.63325E-05	5.41603E-07
12	2.24940E-02	-7.44253E-03	-9.69893E-04	4.84694E-04	1.32277E-04	7.23355E-05	4.40889E-05	-5.86579E-06
13	4.52300E-03	9.33583E-04	-3.20298E-04	-6.08671E-05	6.21439E-03	7.09219E-04	-6.08425E-04	-6.45143E-05
14	1.78054E-02	8.10031E-04	4.98978E-04	1.79746E-04	1.75529E-02	1.80433E-03	2.00849E-03	3.51686E-04
15	1.23813E-02	-3.11977E-04	1.05612E-04	-1.25442E-04	1.37966E-02	-6.78481E-04	-3.81656E-04	-3.42829E-04
16	1.05395E-02	6.34080E-07	3.07176E-04	-9.98158E-06	1.16541E-02	-6.59903E-05	5.43237E-04	-2.00658E-05
17	9.35352E-03	5.68091E-05	2.65505E-04	1.17119E-06	1.05920E-02	9.13422E-06	4.92991E-04	4.55918E-08
18	8.59976E-03	5.04978E-05	2.48169E-04	-2.00650E-06	9.82499E-03	3.87830E-06	4.63972E-04	1.43719E-06
19	8.03091E-03	5.97021E-05	2.25245E-04	-2.16391E-07	9.02325E-03	1.26201E-06	4.20910E-04	-2.01378E-06
20	9.01937E-03	8.31197E-05	2.45529E-04	-7.73068E-07	1.02927E-02	2.90510E-06	4.74935E-04	9.57602E-07
21	1.26483E-02	1.62771E-04	3.53791E-04	-2.48540E-07	1.39326E-02	3.79376E-06	6.44834E-04	1.04063E-06
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24

1	1.31561E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.25703E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.18486E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.69513E-01	0.00000E+00	0.00000E+00
4	6.56357E-05	8.82518E-05	5.21445E-05	2.24683E-05	1.00000E+00	1.66408E-01	8.90718E-02	1.22381E-01
5	6.32603E-05	-3.67121E-05	-8.70850E-06	-6.42908E-06	1.00000E+00	6.35162E-03	-5.92932E-03	1.43047E-03
6	9.29002E-06	-2.29007E-05	2.51668E-05	-1.74577E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.30430E-04	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.78110E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22270E-15	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22390E-15	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.03230E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	4.49593E-08	8.73475E-08	5.08347E-08	-1.13243E-09	2.01530E-14	9.02397E-04	4.57566E-04	6.92469E-06
14	1.38810E-07	-9.24264E-08	-3.43772E-08	1.30929E-09	2.55140E-14	1.09969E-02	1.93934E-05	-5.87918E-04
15	6.37446E-07	1.09066E-07	-4.13712E-08	9.52840E-08	9.16880E-15	1.26508E-02	9.52446E-05	-3.86897E-04
16	7.94905E-07	5.23138E-07	6.52216E-07	-4.06372E-08	6.51540E-15	1.03212E-02	0.00000E+00	1.51130E-04
17	2.11427E-06	-6.65894E-07	-4.79017E-08	-5.61115E-08	1.48730E-15	9.98668E-03	0.00000E+00	1.45950E-04
18	6.41565E-07	1.47558E-08	-1.55472E-08	3.34677E-08	1.38510E-15	1.32189E-02	2.73659E-09	1.92086E-04
19	1.07752E-06	1.36370E-08	-7.57611E-08	1.91521E-07	2.19870E-16	1.69110E-02	0.00000E+00	2.47358E-04
20	8.52463E-07	4.07748E-08	-2.22117E-08	2.67853E-08	5.61270E-15	1.81499E-02	0.00000E+00	2.65269E-04
21	1.33076E-06	2.27994E-07	5.19157E-08	-3.03020E-09	0.00000E+00	1.85923E-02	3.43942E-08	2.72385E-04
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.27730E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.49310E-05	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.50260E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.78110E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22270E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22390E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.03230E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.01530E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.55140E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.16880E-15	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.51540E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.48730E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.38510E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.19870E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.61270E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.15755E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	3.65829E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.09804E-01	9.24113E-02	1.86733E-01	1.93730E-01	1.97966E-01
5	-1.18933E-03	1.06633E-01	1.17747E-01	1.65035E-01	1.68158E-01
6	0.00000E+00	5.17280E-02	7.57104E-02	1.21018E-01	3.69651E-02
7	0.00000E+00	3.17260E-02	7.15889E-02	5.61566E-02	-1.18638E-02
8	0.00000E+00	2.71611E-02	5.83924E-02	3.69761E-02	-2.82786E-02
9	0.00000E+00	2.59698E-02	5.50418E-02	3.25354E-02	-3.13498E-02
10	0.00000E+00	2.49989E-02	5.23584E-02	2.91201E-02	-3.34151E-02
11	0.00000E+00	2.23217E-02	4.51399E-02	2.04653E-02	-3.75324E-02
12	0.00000E+00	1.90823E-02	3.67538E-02	1.14192E-02	-3.97085E-02
13	7.83659E-06	1.53318E-02	2.76204E-02	3.26369E-03	-3.80536E-02
14	1.00266E-04	9.97956E-03	1.56739E-02	-3.95634E-03	-2.92193E-02
15	-1.66184E-06	7.29837E-03	1.06157E-02	-4.84128E-03	-2.05091E-02
16	0.00000E+00	6.53979E-03	4.75967E-03	-6.64641E-03	-1.42516E-02
17	0.00000E+00	4.25625E-03	4.11625E-03	-4.60346E-03	-1.05708E-02
18	0.00000E+00	2.97506E-03	2.71748E-03	-4.02880E-03	-7.60228E-03
19	0.00000E+00	2.39931E-03	1.95163E-03	-3.20673E-03	-5.59078E-03
20	0.00000E+00	1.94334E-03	1.24852E-03	-2.47235E-03	-3.67952E-03
21	0.00000E+00	1.68843E-03	9.10437E-04	-1.95951E-03	-2.57416E-03

22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

23 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 19

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	7.09057E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.40945E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	6.53239E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.31997E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.39671E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	4.70117E-02	6.23903E-02	4.77056E-02	2.47707E-02	1.78880E-01	1.96918E-01	1.80637E-01	6.67608E-02
5	1.32267E-02	-1.49795E-02	1.48962E-02	-5.05565E-03	1.71163E-02	-1.45478E-02	9.36337E-03	-7.67248E-03
6	3.84245E-04	6.74987E-05	1.79339E-05	9.97723E-06	2.26361E-04	-5.98772E-06	8.51666E-06	-9.27326E-06
7	1.56647E-03	2.70821E-04	6.14784E-05	3.18892E-05	2.67525E-02	4.27343E-03	-2.82579E-03	5.08479E-04
8	1.76702E-03	7.43191E-06	8.16634E-05	4.12783E-05	1.17076E-03	-1.60877E-03	1.58937E-03	-7.96770E-04
9	8.95048E-04	1.67507E-04	2.83191E-05	1.90026E-05	5.70836E-03	7.64043E-03	1.53106E-03	-1.26229E-03
10	1.16239E-03	4.53676E-05	7.45954E-05	2.24224E-05	1.60853E-02	8.45863E-03	-7.42289E-03	3.94715E-03
11	1.37602E-03	1.18454E-04	5.71089E-05	3.60917E-05	1.88269E-02	1.12389E-03	-1.45135E-03	-2.20282E-04
12	1.47187E-03	1.99656E-04	8.11198E-05	3.40110E-05	3.64935E-03	-3.91893E-03	1.02918E-04	4.68647E-04
13	1.60449E-03	1.19696E-04	1.12490E-04	4.29473E-05	1.46686E-03	9.94345E-04	-1.21981E-04	-1.71726E-04
14	1.40671E-03	6.99844E-05	1.15067E-05	1.09761E-05	4.98068E-03	3.73053E-04	-3.72859E-04	1.06353E-04
15	1.01016E-03	4.55744E-05	2.18390E-05	2.03351E-06	9.59976E-03	-2.84530E-04	5.72457E-04	5.03183E-05
16	7.18920E-04	2.44417E-07	2.21743E-07	-5.26168E-08	6.66731E-03	-3.20623E-05	-4.25420E-05	-5.95523E-05
17	5.58684E-04	1.13260E-04	7.23946E-05	-7.08356E-06	5.64219E-03	-5.97364E-07	1.71757E-04	-2.87152E-06
18	1.45009E-03	-1.22206E-04	-1.77104E-04	-1.09463E-05	5.13098E-03	8.65449E-06	1.49495E-04	-6.07088E-07
19	1.29365E-03	-2.07168E-05	4.82337E-05	-7.78166E-06	4.74556E-03	3.18752E-06	1.36324E-04	3.81037E-06
20	1.32163E-03	4.78638E-05	3.57441E-05	-3.35383E-06	4.51015E-03	1.24644E-05	1.29212E-04	-5.20102E-07
21	1.25213E-03	4.50392E-05	2.84468E-05	-2.12608E-06	5.84490E-03	1.87041E-05	1.68165E-04	1.41314E-07
22	1.15469E-03	5.56026E-05	1.52581E-05	-1.11361E-05	7.67854E-03	3.24954E-05	2.25386E-04	-3.46327E-07
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

24 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	5.86500E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.80976E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.65814E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.13426E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.05051E-01	1.91292E-01	1.95611E-01	6.65359E-02	1.52402E-01	1.92778E-01	1.67590E-01	6.61910E-02
5	1.83078E-02	-1.71069E-02	1.02312E-02	-8.71764E-03	1.57535E-02	-1.33138E-02	8.42590E-03	-6.12620E-03
6	4.06622E-04	4.09986E-05	2.39675E-05	-1.36221E-05	1.56712E-05	-4.35336E-05	6.19202E-05	-6.74209E-05
7	1.26172E-02	2.08058E-03	-1.22903E-03	2.32299E-04	3.93972E-02	6.32143E-03	-4.21402E-03	7.55781E-04
8	1.24564E-03	-8.65117E-04	7.07754E-04	-3.52243E-04	1.11700E-03	-2.41676E-03	2.37962E-03	-1.18687E-03
9	1.08480E-02	1.54702E-02	3.81240E-03	-2.56588E-03	1.54549E-04	-2.13807E-05	-4.39964E-05	-6.46790E-06
10	3.31943E-02	1.98993E-02	-1.62653E-02	6.29827E-03	8.58296E-05	-1.11772E-04	-9.05750E-06	8.04613E-05
11	4.00371E-02	3.10946E-03	-2.79513E-03	4.91247E-04	6.08006E-05	-1.67005E-06	2.89429E-05	4.50516E-08
12	7.96259E-03	-8.34082E-03	-1.09867E-04	7.52831E-04	4.80772E-05	1.00314E-05	1.58311E-05	-1.03518E-06
13	1.15063E-03	5.14345E-04	-1.04106E-04	-8.12431E-05	1.33573E-03	1.51043E-03	1.76159E-05	-2.57666E-04
14	4.24632E-03	5.72122E-04	-1.58012E-04	3.37928E-05	5.36770E-03	1.10128E-04	-5.63745E-04	1.85476E-04
15	9.55041E-03	-2.12788E-04	1.81864E-04	4.58516E-05	9.64579E-03	-2.99362E-04	9.38239E-04	5.58291E-05
16	6.22499E-03	-1.44965E-06	3.45644E-05	-2.72022E-05	6.94915E-03	-4.46530E-05	-1.15828E-04	-8.95164E-05
17	5.12618E-03	1.56169E-06	1.24451E-04	-1.74997E-06	5.79846E-03	-3.47733E-05	2.34921E-04	-1.58682E-06
18	4.61931E-03	1.83086E-05	9.73820E-05	2.96589E-08	5.23558E-03	1.66473E-06	1.89273E-04	-1.33022E-07
19	4.24989E-03	1.40395E-05	9.59700E-05	2.33409E-06	4.84103E-03	-1.70727E-06	1.76302E-04	1.33365E-06
20	4.05055E-03	2.25682E-05	8.47929E-05	4.70183E-07	4.44128E-03	1.26826E-06	1.62277E-04	-2.68887E-07
21	5.16511E-03	3.77562E-05	1.13403E-04	4.47573E-07	5.96994E-03	2.07068E-06	2.15751E-04	-3.06460E-07
22	7.06045E-03	7.47538E-05	1.57381E-04	1.11577E-06	7.84425E-03	1.52941E-06	2.85319E-04	2.42830E-07
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

24 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	5.32962E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	4.16524E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.29800E-02	0.00000E+00	0.00000E+00	0.00000E+00
3	9.72401E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.75320E-01	0.00000E+00	0.00000E+00
4	3.42719E-05	6.37263E-05	3.82291E-05	8.99424E-06	1.00000E+00	1.60641E-01	7.96460E-02	9.54195E-02
5	4.64928E-05	-4.35434E-05	1.05141E-05	-5.07170E-06	1.00000E+00	3.09178E-03	-2.97634E-03	3.76934E-04

6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.25470E-04	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8	SAME AS ABOVE							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.63290E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.65180E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.64610E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.07090E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.75950E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	6.85031E-08	5.68366E-08	-2.36096E-08	5.66174E-09	1.82810E-14	4.54498E-03	9.49147E-05	2.82959E-06
15	2.78986E-08	-2.16919E-08	5.65753E-08	3.06357E-08	7.34090E-15	5.11640E-03	3.00580E-04	-4.35857E-04
16	3.33045E-07	7.07286E-08	1.89999E-08	-9.90267E-09	5.30670E-15	5.60303E-03	-3.25364E-04	2.61597E-05
17	5.64191E-07	3.83893E-07	-1.31828E-07	-1.50855E-07	1.09370E-15	5.79175E-03	0.00000E+00	6.58949E-05
18	8.19918E-07	-6.10622E-07	1.80912E-08	-1.41096E-08	1.02870E-15	5.64493E-03	0.00000E+00	6.41694E-05
19	2.81863E-07	-2.89008E-09	1.41600E-08	1.18538E-07	1.94400E-16	8.29584E-03	0.00000E+00	9.38919E-05
20	4.97747E-07	2.57539E-08	5.92519E-08	-4.87884E-08	4.88070E-15	9.66402E-03	0.00000E+00	1.09830E-04
21	4.04210E-07	1.55822E-08	1.66207E-08	2.75684E-08	0.00000E+00	1.01860E-02	0.00000E+00	1.15776E-04
22	6.51400E-07	1.01067E-07	-3.44964E-09	-4.68967E-08	3.89200E-03	1.03344E-02	4.65253E-12	1.17564E-04
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.09980E-05	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.72220E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.63290E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.65180E-16	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.64610E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.07090E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.75950E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.82810E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.34090E-15	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.30670E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.09370E-15	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02870E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.94400E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.88070E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.36777E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	4.12906E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	7.96394E-02	6.08065E-02	1.41691E-01	1.56312E-01	1.49267E-01
5	-2.86839E-04	8.41589E-02	7.01782E-02	1.38189E-01	1.22440E-01
6	0.00000E+00	2.86042E-02	6.30292E-02	6.23544E-02	4.33686E-03
7	0.00000E+00	2.11283E-02	4.55476E-02	2.91166E-02	-2.16748E-02
8	0.00000E+00	1.64568E-02	3.27320E-02	1.32489E-02	-3.01744E-02
9	0.00000E+00	1.40966E-02	2.66911E-02	6.92403E-03	-3.12193E-02
10	0.00000E+00	1.34795E-02	2.51636E-02	5.48331E-03	-3.10887E-02
11	0.00000E+00	1.29760E-02	2.39386E-02	4.39248E-03	-3.08441E-02
12	0.00000E+00	1.15891E-02	2.06403E-02	1.69339E-03	-2.96741E-02
13	0.00000E+00	9.91038E-03	1.68076E-02	-9.96233E-04	-2.73937E-02
14	5.08440E-05	7.97336E-03	1.26154E-02	-3.18720E-03	-2.34631E-02
15	-5.02270E-06	5.17084E-03	7.19167E-03	-4.50154E-03	-1.60648E-02
16	1.76049E-05	4.03228E-03	4.88014E-03	-4.38974E-03	-1.06477E-02
17	0.00000E+00	3.11770E-03	1.69039E-03	-2.71553E-03	-7.39575E-03
18	0.00000E+00	2.16277E-03	1.65177E-03	-3.10311E-03	-5.11983E-03
19	0.00000E+00	1.49684E-03	1.20994E-03	-2.31163E-03	-3.74985E-03
20	0.00000E+00	1.29576E-03	9.11478E-04	-1.86791E-03	-2.66714E-03
21	0.00000E+00	1.07764E-03	6.02849E-04	-1.41293E-03	-1.77730E-03
22	0.00000E+00	9.73187E-04	4.09070E-04	-1.07300E-03	-1.22335E-03
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24 THROUGH 70	SAME AS ABOVE				

0 CROSS SECTIONS FOR GRP. 20

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	6.55736E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.24829E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	5.30373E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	6.55803E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.36588E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.89414E-02	5.20288E-02	4.18768E-02	2.00989E-02	2.25670E-01	3.05722E-01	2.03274E-01	7.80689E-02
5	1.67278E-02	-7.32239E-03	-2.95944E-03	-6.18513E-03	5.02958E-02	-3.93410E-02	1.79211E-02	-2.65762E-02
6	1.65762E-03	-4.22592E-03	5.31777E-03	-4.69794E-03	1.04896E-04	-1.01756E-04	9.35541E-05	-4.03264E-05
7	4.14579E-04	4.28357E-05	1.56004E-05	8.98827E-06	2.68388E-03	3.93594E-03	9.51182E-04	-5.81294E-04
8	1.23194E-03	8.80751E-05	5.06215E-05	2.73817E-05	1.08541E-02	-4.48332E-03	-2.35941E-03	9.94759E-04
9	5.46304E-04	7.79712E-05	2.35306E-05	8.81858E-06	7.68568E-04	1.16486E-03	8.63936E-04	1.84316E-04
10	5.22937E-04	-4.01628E-05	3.64525E-05	7.61680E-06	1.10041E-02	-1.66451E-03	-3.77335E-03	7.14554E-04
11	8.70884E-04	3.65206E-04	-1.17990E-04	1.90566E-05	3.23980E-03	-7.05203E-03	6.99660E-03	-3.59607E-03
12	6.45214E-04	-1.08712E-05	3.11195E-05	7.27124E-06	2.69574E-04	-3.22489E-04	3.36603E-04	-3.62190E-04
13	8.88807E-04	9.89352E-05	3.38133E-05	2.55841E-05	1.92466E-04	9.38379E-05	-2.57087E-05	-9.64951E-06
14	7.62164E-04	6.33776E-05	4.68901E-07	6.85246E-06	1.68824E-03	7.71230E-06	-1.99840E-04	1.19281E-04
15	4.24922E-04	-6.44105E-06	2.98237E-05	1.66378E-06	1.83398E-03	1.67848E-04	-6.99029E-06	-6.78456E-05
16	4.64110E-04	2.77990E-05	9.65945E-06	8.51900E-07	3.98721E-03	1.99323E-04	3.57986E-04	-2.46469E-05
17	3.20467E-04	4.31762E-08	7.25687E-08	-1.91615E-08	2.85000E-03	-2.27763E-04	-7.25919E-05	4.11480E-05
18	2.57308E-04	5.38263E-05	-4.24972E-06	-3.55421E-05	2.31094E-03	-3.95125E-07	6.18409E-05	-1.23771E-06
19	6.59175E-04	-9.92089E-05	-1.38471E-05	5.08295E-05	2.11015E-03	2.30986E-06	5.59700E-05	1.22359E-06
20	6.04341E-04	7.27070E-06	1.57889E-05	3.10114E-06	1.95669E-03	6.63798E-07	5.31831E-05	5.19121E-08
21	6.16477E-04	1.92538E-05	1.21681E-05	-2.61952E-06	1.88820E-03	4.71632E-06	4.60899E-05	-3.50096E-08
22	5.75137E-04	1.15159E-05	7.38985E-06	-3.76551E-06	2.61041E-03	7.40675E-06	6.55415E-05	-1.39800E-08
23	5.28945E-04	1.35279E-05	2.15368E-06	1.23618E-06	3.36201E-03	1.27505E-05	8.55620E-05	-1.27595E-07
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	6.70052E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.46990E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.14703E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.48130E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.11595E-01	2.58327E-01	1.81390E-01	7.49995E-02	2.35903E-01	3.39889E-01	2.18190E-01	7.75786E-02
5	5.47518E-02	-4.42387E-02	1.81340E-02	-2.63425E-02	4.67668E-02	-3.78407E-02	1.86516E-02	-2.69897E-02
6	1.05837E-04	-6.58859E-05	4.96689E-05	-9.06459E-06	1.19569E-04	-2.55929E-04	1.91214E-04	-2.48301E-05
7	1.40041E-03	1.78098E-03	4.35366E-04	-2.58792E-04	3.83151E-03	5.86606E-03	1.41762E-03	-8.66351E-04
8	5.40444E-03	-1.91001E-03	-1.09093E-03	4.36515E-04	1.58800E-02	-6.71169E-03	-3.50745E-03	1.48686E-03
9	1.27701E-03	2.08921E-03	1.66995E-03	5.28726E-04	4.42120E-05	2.22902E-07	-4.66167E-06	3.94945E-07
10	2.37413E-02	-2.15312E-03	-7.94161E-03	1.14537E-03	1.77691E-05	2.52616E-05	1.00775E-05	-5.33475E-06
11	7.68133E-03	-1.66050E-02	1.53077E-02	-5.90100E-03	5.74486E-05	3.50150E-05	-3.80518E-05	3.64724E-06
12	6.03877E-04	-8.90970E-04	1.00847E-03	-1.06413E-03	3.19806E-05	-3.36674E-05	-4.12741E-06	2.85056E-06
13	2.31254E-04	8.12939E-05	-2.45643E-05	-1.05454E-05	3.50579E-05	3.67512E-05	-8.99990E-06	-3.80119E-06
14	9.90303E-04	-1.96874E-05	-6.53226E-05	6.33255E-05	2.25414E-03	9.92571E-05	-3.48179E-04	1.55447E-04
15	2.16072E-03	3.79440E-04	-1.64405E-04	-2.64394E-05	1.42042E-03	1.54355E-05	1.19886E-04	-1.07828E-04
16	3.88957E-03	-1.04055E-05	2.60502E-04	-2.09642E-05	4.05021E-03	3.82066E-04	4.45911E-04	-4.11659E-05
17	2.55970E-03	-9.77797E-05	-1.38534E-05	1.97181E-05	2.93851E-03	-3.40774E-04	-1.25756E-04	6.64046E-05
18	2.10087E-03	2.20524E-06	4.47923E-05	-2.26253E-06	2.37455E-03	-7.13457E-06	8.33686E-05	-6.71795E-06
19	1.89753E-03	4.38653E-06	3.93216E-05	1.49563E-06	2.15922E-03	7.64654E-08	6.84307E-05	6.04962E-07
20	1.75549E-03	6.33837E-06	3.65209E-05	-5.52505E-07	1.98840E-03	-9.18952E-07	6.39785E-05	-1.19908E-07
21	1.70132E-03	7.79831E-06	3.22157E-05	6.53117E-07	1.83686E-03	6.26681E-07	5.79796E-05	8.49798E-08
22	2.29821E-03	1.55964E-05	4.41493E-05	-4.32894E-07	2.68633E-03	6.98855E-07	8.36243E-05	-6.23046E-08
23	3.08256E-03	2.97700E-05	6.14862E-05	1.72160E-07	3.44419E-03	6.10452E-07	1.08148E-04	-2.05387E-07
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	7.25958E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.95077E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.05771E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.76854E-01	0.00000E+00	0.00000E+00
4	2.27581E-05	5.26199E-05	4.92823E-05	2.27453E-05	1.00000E+00	1.64132E-01	7.23119E-02	8.41461E-02
5	3.63149E-05	4.65836E-06	-2.50664E-05	-2.36610E-05	1.00000E+00	1.46379E-02	-1.20929E-02	2.37381E-04
6	5.04267E-06	-1.24071E-05	1.35322E-05	-9.10361E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.16070E-04	0.00000E+00	0.00000E+00	0.00000E+00

8 THROUGH 8 SAME AS ABOVE								
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.22830E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.29670E-15	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.29380E-15	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.82250E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.59870E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55130E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	4.10159E-08	1.32918E-08	6.68299E-09	3.21619E-09	7.43200E-15	2.07464E-03	3.41665E-05	1.13601E-05
16	2.30630E-08	5.46196E-08	5.91884E-08	3.08620E-08	3.85930E-15	2.55015E-03	4.40608E-05	-1.79615E-04
17	1.25850E-07	-1.96806E-08	-5.69546E-08	-5.16734E-08	9.93980E-16	2.19938E-03	7.55451E-06	5.40574E-06
18	2.76215E-07	5.49432E-08	-1.19676E-07	3.15376E-08	1.01210E-15	2.53306E-03	0.00000E+00	2.48021E-05
19	2.49535E-07	-2.18553E-07	4.99850E-08	1.12372E-08	1.65590E-16	2.54286E-03	0.00000E+00	2.55949E-05
20	1.16820E-07	1.62164E-08	4.28576E-08	4.23299E-08	3.20820E-15	3.87260E-03	0.00000E+00	3.80299E-05
21	1.96770E-07	2.31060E-08	-1.62921E-08	-6.45380E-09	0.00000E+00	4.24046E-03	0.00000E+00	4.23188E-05
22	1.66934E-07	1.40799E-08	3.32517E-08	-5.12310E-09	4.97010E-03	4.45953E-03	0.00000E+00	4.52320E-05
23	2.64955E-07	3.04867E-08	-3.06247E-08	-1.08573E-08	6.37250E-06	4.50638E-03	0.00000E+00	4.52782E-05
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.86130E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.22830E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.29670E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.29380E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.82250E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.59870E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55130E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.43200E-15	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.85930E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.93980E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.01210E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.65590E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.20820E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.68223E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	4.31998E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	6.72674E-02	3.69565E-02	9.66883E-02	1.24624E-01	1.25539E-01
5	-1.55726E-03	6.46692E-02	8.83996E-02	7.80574E-02	9.03502E-02
6	0.00000E+00	2.34831E-02	2.87936E-02	5.73570E-02	1.41736E-02
7	0.00000E+00	1.19347E-02	2.60493E-02	1.75914E-02	-1.04976E-02
8	0.00000E+00	9.08909E-03	1.81492E-02	7.51011E-03	-1.65002E-02
9	0.00000E+00	7.07781E-03	1.30470E-02	2.37906E-03	-1.68524E-02
10	0.00000E+00	6.06460E-03	1.06402E-02	3.98729E-04	-1.59962E-02
11	0.00000E+00	5.79944E-03	1.00309E-02	-3.78878E-05	-1.56461E-02
12	0.00000E+00	5.58316E-03	9.54268E-03	-3.63323E-04	-1.53178E-02
13	0.00000E+00	4.98668E-03	8.22828E-03	-1.14706E-03	-1.42597E-02
14	0.00000E+00	4.26515E-03	6.70276E-03	-1.88076E-03	-1.27130E-02
15	1.95491E-05	3.43371E-03	5.02024E-03	-2.38258E-03	-1.05428E-02
16	-2.31663E-07	2.22346E-03	2.87355E-03	-2.45642E-03	-6.92715E-03
17	7.63006E-08	1.78524E-03	1.85950E-03	-2.11568E-03	-4.28117E-03
18	0.00000E+00	1.19980E-03	9.12448E-04	-1.42234E-03	-3.32900E-03
19	0.00000E+00	8.98596E-04	6.07842E-04	-1.36470E-03	-2.05489E-03
20	0.00000E+00	6.34207E-04	4.96230E-04	-1.05681E-03	-1.54357E-03
21	0.00000E+00	5.74209E-04	3.71324E-04	-8.45932E-04	-1.08797E-03
22	0.00000E+00	4.88835E-04	2.38176E-04	-6.36358E-04	-7.26566E-04
23	0.00000E+00	4.46348E-04	1.62607E-04	-4.75041E-04	-5.05635E-04
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 21

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8

1	6.21616E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.16420E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	4.59594E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.01454E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.39065E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.09777E-02	5.88493E-02	3.92980E-02	1.32997E-02	1.98848E-01	1.25580E-01	1.39122E-01	4.46329E-02
5	2.39379E-02	-2.79649E-03	-1.40652E-02	-4.56204E-03	1.09541E-01	-1.16925E-01	5.46346E-02	-5.54244E-02
6	6.86667E-03	-1.02133E-02	4.09774E-03	1.15426E-03	1.06650E-03	-7.88875E-04	2.04405E-04	4.90942E-05
7	1.32314E-04	2.50847E-05	2.05518E-06	2.16332E-06	1.45651E-04	-3.20176E-06	4.55380E-06	-4.95818E-06
8	1.27993E-03	1.23185E-04	3.80662E-05	2.39750E-05	1.85871E-02	2.78149E-03	-1.90686E-03	4.76810E-04
9	2.13179E-03	3.83359E-05	7.08443E-05	3.36952E-05	1.00838E-03	-1.56266E-03	1.63415E-03	-1.03407E-03
10	8.92492E-04	5.50781E-05	2.79218E-05	1.56786E-05	7.71128E-03	1.96015E-03	-9.69608E-04	-1.92718E-04
11	1.09758E-03	3.09124E-05	2.69888E-05	2.35336E-05	2.82220E-03	-4.44144E-03	1.79207E-03	6.64177E-04
12	3.77243E-04	-1.82634E-04	2.76320E-04	8.53397E-05	2.23413E-04	-7.83966E-05	7.15894E-05	-2.55918E-05
13	1.40200E-03	2.71730E-04	4.98548E-05	3.03280E-05	2.48421E-04	1.36725E-04	1.41157E-04	5.93867E-05
14	1.44119E-03	3.29550E-05	4.88493E-05	1.93632E-05	5.05784E-04	1.48683E-04	4.80971E-05	4.23384E-05
15	1.36042E-03	1.32779E-04	3.75958E-05	1.34855E-05	2.93365E-03	3.19619E-05	-3.51802E-04	-9.27268E-05
16	6.81821E-04	1.43950E-06	7.77719E-06	1.53555E-06	4.02605E-03	9.95004E-04	1.03598E-04	-3.58101E-05
17	8.02860E-04	3.22038E-05	1.38129E-05	1.15327E-06	6.83876E-03	-3.07919E-04	1.74348E-04	3.06647E-05
18	5.58243E-04	7.91811E-08	1.65614E-07	1.44372E-08	4.47613E-03	-9.42335E-05	5.15533E-05	-1.59249E-05
19	4.97334E-04	6.21571E-05	-6.16570E-05	-9.31241E-06	3.74877E-03	2.41254E-06	8.45853E-05	-7.16348E-07
20	1.17814E-03	-1.29148E-04	9.15858E-05	5.75248E-05	3.38347E-03	5.87914E-06	7.68558E-05	-6.54177E-07
21	1.13196E-03	3.69913E-05	3.18772E-05	-6.34360E-06	3.16673E-03	6.03580E-06	7.10659E-05	-1.34324E-06
22	1.14083E-03	3.74907E-05	-3.69515E-06	-2.87044E-05	3.09868E-03	6.86449E-06	6.34228E-05	1.17799E-07
23	1.06110E-03	3.98916E-05	-1.10404E-06	-8.36601E-06	4.47254E-03	1.13308E-05	9.74870E-05	6.01236E-08
24	9.74452E-04	4.01261E-05	3.14105E-06	-8.56456E-06	5.75345E-03	1.97453E-05	1.26165E-04	-1.81869E-07
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	6.58763E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.63104E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.79991E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.07539E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.23706E-01	1.67522E-01	1.54170E-01	4.57668E-02	1.81984E-01	7.87409E-02	1.28138E-01	4.28767E-02
5	1.01557E-01	-1.02647E-01	4.30369E-02	-4.75582E-02	1.10959E-01	-1.28056E-01	6.31859E-02	-6.14272E-02
6	7.45812E-04	-6.19617E-04	2.03835E-04	6.90099E-06	1.19281E-03	-1.30868E-03	-1.00315E-04	5.38741E-04
7	2.12520E-04	1.73039E-05	1.06563E-05	-7.10595E-06	8.37962E-06	-2.32783E-05	3.31083E-05	-3.60483E-05
8	8.77346E-03	1.32249E-03	-8.32891E-04	2.07526E-04	2.73656E-02	4.11898E-03	-2.84682E-03	7.14783E-04
9	1.20925E-03	-8.85775E-04	7.04514E-04	-4.46245E-04	9.93570E-04	-2.28570E-03	2.45146E-03	-1.55266E-03
10	1.60249E-02	4.43250E-03	-1.86015E-03	-5.23636E-04	7.83305E-05	7.56189E-06	-6.91613E-06	-1.77005E-06
11	6.43569E-03	-9.95462E-03	3.31637E-03	1.73967E-03	5.92253E-05	-2.24715E-05	-7.60526E-06	4.64482E-06
12	3.44880E-04	-2.14915E-04	1.11928E-04	3.24699E-05	1.66226E-05	-3.49741E-05	3.19373E-05	-1.14169E-05
13	2.80532E-04	7.10621E-05	1.22598E-04	3.09455E-05	2.53532E-05	4.94119E-05	5.17205E-05	2.11475E-05
14	5.46986E-04	1.18697E-04	2.05102E-05	1.30671E-05	1.68552E-04	1.42014E-04	1.21838E-04	1.01823E-04
15	1.71825E-03	5.30800E-05	-1.43933E-04	-3.43194E-05	3.91442E-03	-1.86877E-05	-5.72378E-04	-1.63443E-04
16	4.96935E-03	1.05286E-03	-5.21864E-05	-6.70693E-05	3.13798E-03	9.83585E-04	2.48538E-04	2.91347E-05
17	6.34383E-03	-3.85316E-04	6.79280E-05	4.37956E-05	7.05570E-03	-2.71455E-04	3.04911E-04	1.29436E-05
18	3.92970E-03	-3.64401E-05	5.05640E-05	-7.49028E-06	4.64894E-03	-1.41540E-04	5.48778E-05	-2.38572E-05
19	3.38912E-03	6.57702E-06	5.98623E-05	-8.67327E-07	3.86680E-03	-1.60061E-08	1.06536E-04	-1.80388E-06
20	3.03694E-03	1.02824E-05	5.56453E-05	-2.59998E-07	3.46980E-03	8.31994E-07	9.36636E-05	-1.47470E-07
21	2.83833E-03	1.13761E-05	4.84041E-05	-1.43060E-06	3.20728E-03	3.56537E-07	8.75514E-05	-6.26160E-07
22	2.82932E-03	1.32046E-05	4.56452E-05	-4.47321E-07	2.94524E-03	1.02223E-06	7.86298E-05	7.46116E-08
23	3.90936E-03	2.35160E-05	6.51063E-05	-4.27370E-07	4.68585E-03	8.47021E-07	1.24912E-04	-2.21491E-08
24	5.27890E-03	4.82126E-05	9.26101E-05	-4.46238E-07	5.88824E-03	9.00828E-07	1.57552E-04	-6.38252E-07
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	5.20191E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.04063E-04	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.16095E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.72723E-01	0.00000E+00	0.00000E+00
4	4.60167E-05	7.91104E-05	3.33521E-05	-4.35737E-06	1.00000E+00	1.62756E-01	5.97386E-02	7.03488E-02
5	7.27834E-05	7.02487E-06	-7.18959E-05	-1.46830E-05	1.00000E+00	1.26610E-02	-1.19134E-02	1.06789E-03
6	2.61194E-05	-3.98126E-05	5.17202E-06	1.36571E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07600E-04	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8 SAME AS ABOVE								
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.30580E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.50340E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.50960E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.12670E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.47300E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.44310E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	1.00738E-09	2.89258E-09	4.40995E-09	5.37977E-09	7.98970E-15	0.00000E+00	0.00000E+00	0.00000E+00
16	8.06207E-08	3.56311E-08	7.57821E-09	-8.22729E-09	3.07380E-15	4.07583E-03	1.28514E-04	4.21374E-05
17	7.80750E-08	1.45567E-07	6.49416E-08	-4.07242E-08	8.47000E-16	4.48493E-03	9.86659E-05	-2.86216E-04
18	1.86442E-07	-7.37927E-08	-5.41012E-08	4.65356E-08	7.97440E-16	4.20549E-03	-2.87341E-05	-1.98308E-06
19	4.65236E-07	-1.62245E-07	-1.37005E-07	2.27357E-08	1.46890E-16	4.34802E-03	0.00000E+00	3.66772E-05
20	3.06316E-07	-2.29753E-07	1.14527E-07	4.77907E-08	2.76070E-15	4.40971E-03	0.00000E+00	3.63506E-05
21	1.97337E-07	7.24855E-08	-7.27650E-08	3.89414E-09	0.00000E+00	7.03323E-03	0.00000E+00	5.87983E-05
22	3.23032E-07	8.14253E-09	-2.94548E-08	-9.87370E-09	7.13650E-03	7.34369E-03	0.00000E+00	6.09725E-05
23	2.72715E-07	6.18597E-08	3.47960E-08	2.80167E-09	3.86740E-06	7.64359E-03	0.00000E+00	6.28992E-05
24	4.32367E-07	1.07287E-08	-5.60916E-08	-1.02007E-08	1.41600E-04	7.70132E-03	0.00000E+00	6.38527E-05
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.30580E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.50340E-16	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.50960E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.12670E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.47300E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.44310E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.98970E-15	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.07380E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.47000E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.97440E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46890E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.76070E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	2.29078E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	4.67334E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.14279E-02	7.17476E-02	1.65216E-01	1.79821E-01	1.76155E-01
5	-1.17943E-03	1.25450E-01	1.82003E-01	1.43102E-01	2.10215E-01
6	0.00000E+00	8.24135E-02	6.68598E-02	1.41097E-01	1.34991E-01
7	0.00000E+00	3.02547E-02	6.75273E-02	5.79126E-02	-6.10881E-03
8	0.00000E+00	2.05891E-02	4.17616E-02	1.92309E-02	-3.42637E-02
9	0.00000E+00	1.56794E-02	2.90968E-02	5.88018E-03	-3.66162E-02
10	0.00000E+00	1.22089E-02	2.09241E-02	-5.99879E-04	-3.32469E-02
11	0.00000E+00	1.04639E-02	1.70614E-02	-2.95657E-03	-3.02381E-02
12	0.00000E+00	1.00066E-02	1.60850E-02	-3.45216E-03	-2.92920E-02
13	0.00000E+00	9.63352E-03	1.53021E-02	-3.81051E-03	-2.84680E-02
14	0.00000E+00	8.60470E-03	1.31956E-02	-4.63004E-03	-2.60077E-02
15	0.00000E+00	7.36308E-03	1.07556E-02	-5.29630E-03	-2.27077E-02
16	3.31306E-05	5.92059E-03	8.05358E-03	-5.55929E-03	-1.84402E-02
17	-4.65352E-06	3.83778E-03	4.61046E-03	-4.96589E-03	-1.17884E-02
18	8.00155E-06	3.09338E-03	2.85709E-03	-3.79649E-03	-7.46354E-03
19	0.00000E+00	1.93763E-03	1.77302E-03	-3.16999E-03	-5.16811E-03
20	0.00000E+00	1.49650E-03	9.97969E-04	-2.36333E-03	-3.40933E-03
21	0.00000E+00	1.09099E-03	8.20882E-04	-1.90656E-03	-2.54904E-03
22	0.00000E+00	1.01601E-03	5.90186E-04	-1.53479E-03	-1.79886E-03
23	0.00000E+00	8.84733E-04	3.77427E-04	-1.13641E-03	-1.18044E-03
24	0.00000E+00	8.12153E-04	2.59335E-04	-8.57310E-04	-8.34097E-04
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 22

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	5.80537E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.82173E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	4.03051E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.74867E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.57399E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.88666E-02	6.86444E-02	4.55818E-02	1.30095E-02	2.10388E-01	2.00227E-01	1.36303E-01	4.35377E-02
5	1.75509E-02	-4.17911E-03	-7.86178E-03	-1.62898E-03	3.89316E-02	-2.97899E-02	7.76531E-04	-1.25455E-02
6	1.16893E-03	-2.01516E-03	2.32819E-03	-1.83883E-03	4.20823E-04	-6.40032E-04	2.91089E-04	-3.58315E-05
7	1.08573E-04	-3.05234E-06	-3.38974E-06	-2.65286E-07	7.09212E-05	-9.30225E-06	1.32317E-05	-1.44093E-05
8	5.55973E-04	4.90825E-05	1.44126E-05	1.36646E-05	1.49746E-04	3.43668E-05	5.16410E-05	6.15806E-05
9	1.54493E-03	1.19158E-04	4.47189E-05	1.60307E-05	1.69431E-02	4.48746E-04	-1.01593E-03	-4.92493E-04
10	1.02686E-03	1.45660E-05	3.01397E-05	1.35547E-05	2.58816E-04	3.17498E-05	6.60098E-06	-8.70838E-06
11	8.81571E-04	4.03245E-05	2.62714E-05	1.36560E-05	6.40216E-03	-1.23333E-04	-1.83393E-04	1.96890E-05
12	1.15596E-03	1.72436E-04	3.97705E-05	1.98764E-05	1.75181E-04	5.99816E-05	6.17031E-05	3.48396E-05
13	1.73273E-03	4.87681E-04	7.63045E-05	-6.22689E-05	3.55124E-04	4.03549E-04	1.96826E-04	-1.30252E-04
14	1.44909E-03	9.22979E-06	3.41194E-05	2.11352E-05	5.67325E-04	2.96077E-04	-2.43673E-04	-1.48754E-04
15	9.04677E-04	8.61068E-05	2.95109E-05	2.14782E-05	1.59165E-03	4.83493E-04	-2.04068E-04	-8.71045E-05
16	9.62073E-04	-6.19897E-05	1.20890E-05	1.51504E-06	1.28614E-03	-3.43880E-04	1.84122E-05	1.01209E-04
17	4.96363E-04	5.18353E-06	6.32354E-06	2.08922E-06	4.45822E-03	2.73163E-04	4.05969E-05	1.22545E-04
18	6.97394E-04	3.21626E-05	1.09085E-05	1.01424E-06	4.58325E-03	-1.49010E-04	1.76523E-04	-6.12811E-05
19	4.51433E-04	4.85997E-08	1.47682E-07	1.61871E-08	3.48112E-03	-1.12854E-04	-2.40380E-05	-2.05103E-05
20	4.48154E-04	-1.10750E-05	-2.17187E-05	2.07691E-05	2.82284E-03	2.18553E-06	5.30893E-05	4.60622E-09
21	9.83569E-04	2.05319E-07	7.34849E-05	-4.62410E-05	2.57191E-03	4.97044E-06	4.96406E-05	-3.85529E-07
22	9.94590E-04	3.87684E-05	7.53642E-06	-7.59413E-06	2.43033E-03	3.13215E-06	4.31355E-05	-1.48791E-07
23	9.73184E-04	1.30693E-05	-1.35844E-05	-5.03985E-07	2.45417E-03	4.56810E-06	4.18702E-05	5.87197E-08
24	8.90286E-04	2.03501E-05	-5.22385E-06	-3.82430E-06	3.65717E-03	7.85377E-06	6.69505E-05	7.92286E-08
25	8.16449E-04	2.00685E-05	1.91345E-07	-1.63695E-06	4.62949E-03	1.37175E-05	8.59327E-05	-4.77398E-08
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	6.17764E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.16490E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.71821E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.44850E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.22657E-01	1.83252E-01	1.31398E-01	3.56806E-02	1.98807E-01	2.06718E-01	1.37853E-01	4.69417E-02
5	5.50197E-02	-4.55438E-02	8.87514E-03	-1.79286E-02	2.45079E-02	-1.48833E-02	-5.10707E-03	-9.97436E-03
6	3.12936E-04	-4.33338E-04	1.89716E-04	2.36333E-05	6.22220E-04	-1.21940E-03	7.51067E-04	3.92016E-05
7	8.93804E-05	-1.62054E-05	2.30550E-05	-2.51144E-05	2.43444E-05	-6.76317E-05	9.62008E-05	-1.04763E-04
8	2.92028E-04	3.26257E-05	2.70728E-05	2.75864E-05	1.79646E-05	5.12197E-05	7.69648E-05	9.17786E-05
9	8.15132E-03	2.56263E-04	-4.69277E-04	-2.14931E-04	2.48794E-02	6.56870E-04	-1.50546E-03	-7.37467E-04
10	3.46227E-04	4.35315E-06	2.68015E-05	-1.27315E-05	3.22004E-05	1.37525E-05	2.89279E-06	-3.87969E-06
11	1.36680E-02	-2.05383E-04	-4.09925E-04	5.46714E-05	3.98706E-05	-1.60957E-05	6.10760E-07	2.41882E-06
12	2.06766E-04	3.34566E-05	5.16615E-05	2.00341E-05	9.04883E-06	2.18039E-05	2.24297E-05	1.26646E-05
13	3.31318E-04	2.92365E-04	1.47278E-04	-8.75437E-05	7.58434E-05	1.46694E-04	7.15482E-05	-4.73478E-05
14	5.74699E-04	2.63642E-04	-1.69512E-04	-1.03601E-04	1.58029E-04	1.12652E-04	-8.79223E-05	-5.43292E-05
15	1.05292E-03	2.05400E-04	-9.83284E-05	-3.21045E-05	1.97443E-03	8.54902E-04	-3.07745E-04	-1.77413E-04
16	1.26823E-03	2.16190E-04	8.10674E-05	3.21313E-05	8.73780E-04	-1.01037E-03	4.12304E-05	2.05032E-04
17	5.14052E-03	2.04810E-04	-1.66197E-04	8.16946E-05	4.13052E-03	4.98732E-04	2.08009E-04	1.15680E-04
18	4.16581E-03	-2.48050E-04	1.09071E-04	-2.58507E-05	4.72554E-03	-1.03319E-04	2.20205E-04	-7.69421E-05
19	3.12026E-03	-4.67689E-05	7.07453E-06	-1.02978E-05	3.74271E-03	-1.65601E-04	-5.29201E-05	-3.25035E-05
20	2.55617E-03	4.55078E-06	3.86304E-05	2.16060E-07	2.91025E-03	7.37788E-07	6.50227E-05	-8.01350E-08
21	2.30616E-03	9.42323E-06	3.61971E-05	-8.56705E-07	2.63986E-03	1.03617E-06	6.02595E-05	-8.05896E-08
22	2.19190E-03	4.53887E-06	2.98859E-05	6.02348E-07	2.42626E-03	-2.37968E-07	5.48161E-05	-3.10826E-07
23	2.26710E-03	9.60025E-06	2.95150E-05	-3.32120E-07	2.27524E-03	7.59013E-07	5.15850E-05	-2.93916E-08
24	3.17461E-03	1.50290E-05	4.44891E-05	3.47794E-07	3.87906E-03	4.58905E-07	8.63648E-05	6.88542E-08
25	4.24876E-03	3.45912E-05	6.31528E-05	-2.56345E-07	4.73965E-03	5.11960E-07	1.06393E-04	-2.89397E-07
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	7.47116E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.59676E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

3	1.20655E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.56874E-01	0.00000E+00	0.00000E+00
4	5.32065E-05	9.53080E-05	4.87782E-05	5.25559E-06	1.00000E+00	1.54924E-01	4.01216E-02	5.28367E-02
5	5.99665E-05	-2.75712E-05	-4.09302E-05	1.01471E-05	1.00000E+00	9.86098E-03	-9.23215E-03	5.19987E-04
6	9.50028E-06	-2.25220E-05	2.22458E-05	-1.12546E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.72330E-05	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8	SAME AS ABOVE							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.17780E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.72000E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.70540E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.73630E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.33650E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.34790E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.28580E-15	0.00000E+00	0.00000E+00	0.00000E+00
16	2.37845E-08	5.43203E-08	4.87147E-08	1.80216E-08	2.64280E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	5.79409E-08	-1.65920E-08	-4.69950E-08	-2.08388E-08	7.79040E-16	3.93496E-03	1.67995E-04	5.94087E-05
18	9.95789E-08	1.09901E-07	-4.08574E-08	-3.95315E-08	7.55300E-16	3.85347E-03	4.05934E-05	-2.38948E-04
19	1.16809E-07	-7.01427E-08	3.45736E-08	3.96815E-08	1.34780E-16	3.52454E-03	-2.89290E-05	2.83645E-05
20	3.07151E-07	-2.07488E-07	-1.92314E-09	3.66817E-08	2.39980E-15	3.43117E-03	0.00000E+00	2.41841E-05
21	1.66573E-07	-6.01081E-08	7.33924E-08	-5.28549E-08	0.00000E+00	3.70401E-03	0.00000E+00	2.67328E-05
22	1.57944E-07	7.86792E-08	-1.02212E-08	-1.66727E-08	1.08630E-02	6.01807E-03	0.00000E+00	4.21902E-05
23	2.41477E-07	-1.13436E-08	-1.23378E-08	7.18420E-09	2.03210E-06	5.90194E-03	0.00000E+00	4.23584E-05
24	2.13713E-07	4.88164E-08	5.04662E-09	5.97634E-09	2.15530E-04	6.13486E-03	0.00000E+00	4.48427E-05
25	3.23784E-07	-1.89113E-08	-2.49349E-08	-2.58046E-09	3.17780E-16	6.17874E-03	0.00000E+00	4.47207E-05
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.72000E-16	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.70540E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.73630E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.33650E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.34790E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.28580E-15	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.64280E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.79040E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.55300E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.34780E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.39980E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	3.47791E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	5.17259E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.40346E-02	8.78732E-02	2.01038E-01	2.15587E-01	2.08062E-01
5	-7.65744E-04	1.21974E-01	1.51968E-01	1.57514E-01	2.15211E-01
6	0.00000E+00	6.46269E-02	7.36599E-02	1.56159E-01	7.46263E-02
7	0.00000E+00	3.78849E-02	8.45502E-02	8.40808E-02	9.04413E-03
8	0.00000E+00	2.44927E-02	5.08218E-02	2.68556E-02	-3.50334E-02
9	0.00000E+00	1.68733E-02	3.09729E-02	5.27545E-03	-4.04288E-02
10	0.00000E+00	1.28486E-02	2.15845E-02	-1.86208E-03	-3.59142E-02
11	0.00000E+00	1.00066E-02	1.55224E-02	-4.92636E-03	-3.00269E-02
12	0.00000E+00	8.57678E-03	1.26576E-02	-5.86112E-03	-2.63863E-02
13	0.00000E+00	8.20179E-03	1.19333E-02	-6.02409E-03	-2.53531E-02
14	0.00000E+00	7.89659E-03	1.13532E-02	-6.12651E-03	-2.44854E-02
15	0.00000E+00	7.05322E-03	9.79097E-03	-6.29577E-03	-2.20012E-02
16	0.00000E+00	6.04032E-03	7.98492E-03	-6.28698E-03	-1.88550E-02
17	2.71211E-05	4.84998E-03	5.97842E-03	-5.92172E-03	-1.49932E-02
18	4.96002E-06	3.14716E-03	3.42240E-03	-4.75611E-03	-9.33315E-03
19	-6.67593E-06	2.48323E-03	2.17901E-03	-3.59594E-03	-5.91323E-03
20	0.00000E+00	1.58642E-03	1.27674E-03	-2.82048E-03	-3.90444E-03
21	0.00000E+00	1.17553E-03	8.35182E-04	-2.05875E-03	-2.70608E-03
22	0.00000E+00	8.93171E-04	6.24880E-04	-1.67530E-03	-1.95205E-03
23	0.00000E+00	8.58443E-04	4.34033E-04	-1.31806E-03	-1.35109E-03

24	0.00000E+00	7.64985E-04	2.72156E-04	-9.62814E-04	-8.89656E-04
25	0.00000E+00	7.08442E-04	1.88601E-04	-7.32915E-04	-6.25523E-04
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

27 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 23

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	5.72327E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.81706E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	3.60325E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.18673E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.47006E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	9.40460E-02	1.13770E-01	6.42464E-02	1.26015E-02	3.15160E-01	1.48063E-01	1.47151E-01	4.05028E-02
5	1.77686E-02	2.16396E-05	-7.73311E-03	-5.13065E-03	4.62489E-02	-3.47427E-02	-5.30541E-03	-7.14528E-03
6	8.53833E-04	-9.21393E-04	1.10229E-03	-8.57130E-04	4.35917E-04	-3.46318E-04	1.53320E-04	-6.45686E-05
7	1.17561E-04	-8.18422E-06	-4.36528E-06	3.38710E-06	4.61280E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	2.05705E-05	-3.89604E-06	-1.32860E-06	6.63806E-06	9.19758E-05	0.00000E+00	0.00000E+00	0.00000E+00
9	1.10241E-03	7.90848E-05	2.79436E-05	9.45775E-06	6.20797E-03	2.15052E-03	5.10674E-05	1.07069E-05
10	2.27712E-03	4.12587E-05	4.82693E-05	2.45087E-05	3.94353E-03	-4.20997E-03	-8.66722E-05	5.99582E-04
11	8.75040E-04	1.93488E-05	1.77243E-05	9.70830E-06	3.03406E-03	1.50010E-03	7.89475E-05	4.59685E-05
12	1.06101E-03	6.58099E-05	3.30753E-05	1.12146E-05	3.27607E-03	-1.45374E-03	-1.40223E-04	2.99102E-05
13	1.67321E-03	6.68758E-05	2.32876E-05	2.30383E-05	5.87811E-04	2.31917E-04	-1.74911E-04	-5.28582E-05
14	1.66794E-03	-3.52667E-04	-7.39462E-05	3.59109E-05	6.31589E-04	-2.91326E-04	-2.33694E-04	1.20440E-04
15	8.55379E-04	-3.43283E-05	3.52979E-05	1.18892E-05	4.57227E-04	-2.69996E-04	6.87432E-05	7.31139E-05
16	1.14675E-03	4.01752E-05	2.50516E-05	4.41987E-06	1.97580E-03	-1.26699E-05	-1.70992E-04	-4.88370E-06
17	1.03338E-03	-1.48095E-06	-8.25603E-07	4.73298E-06	1.29036E-03	4.19529E-05	-1.06456E-04	-1.12453E-05
18	6.46964E-04	3.41412E-05	9.79540E-06	-2.25518E-06	6.14168E-03	6.38214E-04	6.90971E-05	-1.70770E-05
19	7.94020E-04	2.23614E-05	9.36110E-06	7.37041E-07	4.50122E-03	-1.06853E-04	1.67757E-04	5.22108E-06
20	4.99072E-04	3.02232E-08	1.46288E-07	1.26412E-08	3.61719E-03	-2.16786E-04	5.32531E-06	2.47927E-05
21	5.31924E-04	-4.12127E-06	3.21759E-05	1.88134E-05	2.95292E-03	1.88426E-06	4.33386E-05	5.92188E-08
22	1.18901E-03	5.61268E-05	8.23557E-07	-1.42684E-05	2.67875E-03	4.58365E-06	3.91862E-05	-4.96056E-08
23	1.21194E-03	3.68108E-05	-1.01284E-05	-1.02482E-05	2.58898E-03	2.23914E-07	3.52698E-05	-3.95862E-08
24	1.16961E-03	1.05741E-05	-2.35171E-06	1.28177E-05	2.69062E-03	3.84376E-06	3.39934E-05	3.47263E-08
25	1.07268E-03	2.11222E-05	-4.64735E-06	3.15581E-07	4.20944E-03	7.33453E-06	6.05864E-05	-1.54172E-07
26	9.82192E-04	2.43971E-05	-1.99716E-06	-1.65151E-06	5.19625E-03	1.21564E-05	7.46548E-05	2.49311E-07
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

28 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	6.79260E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.61794E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.52793E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.40402E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.21502E-01	1.50220E-01	1.32754E-01	2.66297E-02	3.07888E-01	1.40267E-01	1.60450E-01	4.99078E-02
5	4.82649E-02	-3.76444E-02	8.93343E-04	-1.10144E-02	4.55553E-02	-3.55115E-02	-9.95856E-03	-3.15696E-03
6	2.95714E-04	-2.56085E-04	1.18699E-04	-1.54504E-05	4.84510E-04	-7.85360E-04	5.18717E-04	-5.75751E-05
7	5.70331E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	1.13720E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	3.08858E-03	9.76423E-04	3.49769E-05	7.18446E-06	8.98560E-03	3.20509E-03	7.61098E-05	1.59576E-05
10	2.48383E-03	-1.90145E-03	-5.59919E-05	2.66958E-04	5.41637E-03	-6.28297E-03	-1.23603E-04	8.93986E-04
11	5.92687E-03	3.06806E-03	1.18237E-04	4.39133E-05	6.94992E-05	5.07429E-06	-6.01989E-06	-3.62121E-07
12	7.21055E-03	-3.07622E-03	-3.30286E-04	6.12276E-05	3.57008E-05	1.60890E-05	1.01388E-05	-2.06190E-06
13	5.99468E-04	2.00129E-04	-1.20834E-04	-3.80980E-05	1.60403E-04	8.84111E-05	-6.34982E-05	-1.91468E-05
14	6.65977E-04	-2.04343E-04	-1.72619E-04	8.06960E-05	1.85191E-04	-1.04711E-04	-8.48207E-05	4.38339E-05
15	4.97675E-04	-1.95160E-04	5.29281E-05	5.11735E-05	1.22683E-04	-9.84986E-05	2.47865E-05	2.68526E-05
16	1.24914E-03	7.28682E-06	-7.32118E-05	-4.53605E-06	2.57613E-03	-6.16531E-05	-2.62099E-04	-4.61915E-06
17	2.42222E-03	2.50118E-04	-2.75093E-04	-3.50346E-05	9.18714E-05	-2.32062E-05	-1.18686E-06	6.39637E-07
18	6.01580E-03	3.95298E-04	9.43887E-05	3.14458E-05	6.36203E-03	7.11548E-04	9.50895E-05	-4.24914E-05
19	4.27744E-03	-1.23572E-04	7.40088E-05	-6.71120E-06	4.60296E-03	-2.07005E-05	2.51532E-04	9.98985E-06
20	3.39300E-03	-9.56923E-05	1.79203E-05	1.07975E-05	3.77071E-03	-3.21810E-04	-1.09304E-05	3.88190E-05
21	2.66787E-03	4.62326E-06	3.12845E-05	-1.77453E-07	3.04428E-03	3.66311E-07	5.33461E-05	-2.95247E-08
22	2.40010E-03	5.65729E-06	2.57569E-05	-1.42868E-07	2.74443E-03	1.19686E-06	4.82665E-05	1.39323E-07
23	2.35417E-03	2.60722E-06	2.68411E-05	-1.64772E-08	2.51774E-03	-1.24888E-06	4.42648E-05	-6.33733E-07
24	2.54181E-03	6.25301E-06	2.26763E-05	-1.55248E-07	2.39221E-03	6.91745E-07	4.16355E-05	-1.04357E-07

25	3.64301E-03	1.35047E-05	4.16887E-05	2.20497E-07	4.48410E-03	3.76400E-07	7.81555E-05	1.68341E-07
26	4.77843E-03	3.09808E-05	5.51847E-05	2.37581E-07	5.29573E-03	2.34098E-07	9.18866E-05	6.29025E-08
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.56399E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.45485E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.96142E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.64812E-01	0.00000E+00	0.00000E+00
4	1.22421E-04	1.68042E-04	6.45955E-05	1.67005E-05	1.00000E+00	1.58388E-01	3.73404E-02	4.23254E-02
5	6.67042E-05	-2.65934E-05	-3.19056E-05	-5.05979E-06	1.00000E+00	1.89453E-03	-1.86392E-03	4.39486E-04
6	4.91152E-06	-1.18926E-05	1.24488E-05	-7.53353E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.08190E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93470E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.45180E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.44690E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.74580E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27700E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.36750E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.05500E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.68700E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	6.70364E-08	8.28082E-08	-1.51160E-08	-3.35519E-08	7.35110E-16	5.74787E-04	5.17282E-04	2.08787E-05
18	3.98438E-08	-5.95172E-08	2.73389E-09	3.02977E-08	7.10790E-16	5.53111E-03	-2.69614E-04	1.28157E-05
19	1.50237E-07	3.15031E-08	-4.47865E-08	2.17020E-08	1.22700E-16	3.81289E-03	-6.14113E-05	-1.66540E-04
20	8.29220E-08	-2.06534E-08	1.56753E-08	-4.17843E-08	4.50670E-15	4.00556E-03	0.00000E+00	2.18664E-05
21	2.58634E-07	-1.46025E-07	1.00721E-07	4.81323E-08	0.00000E+00	3.70896E-03	0.00000E+00	2.01080E-05
22	1.52421E-07	1.09930E-08	8.96538E-10	-6.91874E-09	1.38960E-02	4.20978E-03	0.00000E+00	2.20581E-05
23	1.84471E-07	4.84640E-08	-5.42136E-08	-1.55499E-08	1.03800E-06	6.80163E-03	0.00000E+00	3.67069E-05
24	2.48378E-07	-1.41353E-08	9.66137E-09	2.12983E-08	2.75710E-04	6.44961E-03	0.00000E+00	3.41731E-05
25	2.36486E-07	4.11595E-08	8.18002E-09	-1.94228E-08	2.93470E-16	6.52879E-03	0.00000E+00	3.40181E-05
26	3.31365E-07	-2.99140E-08	-1.64167E-08	2.82127E-08	7.45180E-16	6.62149E-03	0.00000E+00	3.49385E-05
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.44690E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.74580E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27700E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.36750E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.05500E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.68700E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.35110E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.10790E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22700E-16	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.50670E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	4.36357E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	6.16790E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.10172E-02	1.69134E-01	3.33690E-01	3.18537E-01	3.28046E-01
5	-4.91878E-04	1.69184E-01	2.09771E-01	2.66467E-01	2.76631E-01
6	0.00000E+00	8.01865E-02	1.36433E-01	1.82275E-01	5.28459E-02
7	0.00000E+00	5.29966E-02	1.18534E-01	8.89009E-02	-2.81547E-02
8	0.00000E+00	4.32135E-02	9.05249E-02	5.04072E-02	-5.73680E-02
9	0.00000E+00	2.87006E-02	5.27038E-02	9.17545E-03	-6.80879E-02
10	0.00000E+00	1.97720E-02	3.21227E-02	-5.82235E-03	-5.70380E-02
11	0.00000E+00	1.50566E-02	2.23897E-02	-9.83417E-03	-4.60579E-02
12	0.00000E+00	1.17278E-02	1.61027E-02	-1.08521E-02	-3.65468E-02
13	0.00000E+00	1.00527E-02	1.31328E-02	-1.08066E-02	-3.13541E-02
14	0.00000E+00	9.61326E-03	1.23815E-02	-1.07199E-02	-2.99497E-02
15	0.00000E+00	9.25538E-03	1.17793E-02	-1.06215E-02	-2.87909E-02
16	0.00000E+00	8.27053E-03	1.01669E-02	-1.02354E-02	-2.55472E-02

17	8.21435E-06	7.08510E-03	8.27156E-03	-9.60530E-03	-2.15697E-02
18	1.64379E-05	5.68106E-03	6.20852E-03	-8.49777E-03	-1.68917E-02
19	6.50569E-06	3.69005E-03	3.55339E-03	-6.36038E-03	-1.02777E-02
20	0.00000E+00	2.88558E-03	2.17201E-03	-4.78150E-03	-6.32529E-03
21	0.00000E+00	1.84576E-03	1.33267E-03	-3.47976E-03	-4.19898E-03
22	0.00000E+00	1.36193E-03	9.33804E-04	-2.63718E-03	-2.85988E-03
23	0.00000E+00	1.04839E-03	6.35683E-04	-2.08958E-03	-2.09588E-03
24	0.00000E+00	1.03034E-03	4.42444E-04	-1.59446E-03	-1.42523E-03
25	0.00000E+00	9.34053E-04	2.78618E-04	-1.15608E-03	-9.32731E-04
26	0.00000E+00	8.72305E-04	1.89155E-04	-8.82612E-04	-6.47696E-04
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

28 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 24

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	5.83077E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.30410E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	3.45550E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	8.37723E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.74837E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.68486E-02	4.57102E-02	2.10047E-02	3.06244E-03	2.45014E-01	9.73151E-02	9.69537E-02	3.86457E-02
5	2.32628E-02	-2.78299E-02	7.38346E-03	9.09786E-04	3.09077E-02	-3.65183E-02	1.77699E-02	-6.93568E-03
6	1.82321E-04	-1.53502E-05	4.63139E-06	-2.89448E-07	1.23392E-04	-1.44432E-04	1.44899E-05	-8.17591E-06
7	5.95332E-05	-1.95887E-06	-2.43409E-06	2.98402E-06	1.31654E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	1.25287E-05	-3.46769E-06	2.83636E-06	1.88916E-06	2.88501E-05	0.00000E+00	0.00000E+00	0.00000E+00
9	8.21113E-05	1.37588E-05	6.83282E-06	-3.21429E-06	5.57278E-05	0.00000E+00	0.00000E+00	0.00000E+00
10	8.38863E-04	3.53764E-05	1.93266E-05	4.85328E-06	6.18305E-03	6.88673E-04	-9.79356E-04	-3.76811E-04
11	8.40845E-04	1.15833E-05	5.24896E-06	1.01073E-05	1.62824E-04	-7.06990E-06	-1.46909E-06	-1.75350E-07
12	4.72488E-04	2.75000E-05	8.08181E-06	4.01898E-06	4.26411E-03	8.98620E-04	-1.18282E-04	-7.01381E-05
13	7.14192E-04	2.04809E-05	5.78146E-06	7.51998E-06	1.59306E-04	9.97426E-06	-2.75359E-05	1.03091E-05
14	4.65784E-04	-4.66160E-05	2.71901E-05	1.86519E-06	2.38284E-04	-1.69584E-04	7.95876E-05	1.55824E-05
15	1.90003E-05	1.87471E-05	2.34261E-05	2.00520E-05	1.23797E-04	8.33946E-05	2.57971E-05	-3.07897E-05
16	2.06511E-04	6.71666E-05	1.10918E-05	1.02272E-05	9.16078E-04	6.87234E-04	-7.01419E-05	-5.28590E-05
17	6.91277E-04	5.76649E-06	-4.17265E-06	-3.41912E-06	6.21950E-04	-2.50426E-04	-7.01836E-06	2.22222E-05
18	3.36977E-04	-1.70553E-05	7.87153E-06	-7.20636E-07	7.55065E-04	2.56426E-04	1.42175E-04	2.28505E-05
19	4.33939E-04	1.35524E-05	2.23222E-06	8.16087E-07	3.37239E-03	-1.14842E-04	-1.02568E-04	-2.10170E-05
20	4.32763E-04	1.38100E-05	4.38132E-06	3.80598E-07	2.31374E-03	2.21586E-05	3.06962E-05	-6.87131E-06
21	2.50244E-04	-9.30451E-09	7.45546E-08	2.31427E-08	1.75111E-03	-5.72301E-05	4.31081E-05	8.84399E-06
22	2.96774E-04	1.69417E-05	1.20528E-05	-1.27952E-05	1.44579E-03	1.13718E-06	1.67554E-05	3.57548E-07
23	6.60631E-04	2.72941E-05	-7.99068E-06	1.86396E-06	1.28498E-03	-4.00119E-07	1.09005E-05	-1.77189E-06
24	6.59818E-04	1.47345E-05	-8.32931E-06	3.43232E-06	1.28759E-03	-1.41162E-07	1.26552E-05	5.70658E-07
25	6.13292E-04	7.37786E-06	6.99250E-06	-3.72398E-06	1.36611E-03	1.48828E-06	1.18311E-05	-5.24011E-08
26	5.64035E-04	8.13597E-06	6.95668E-07	3.49581E-06	2.24372E-03	3.15319E-06	2.39818E-05	-1.28004E-07
27	5.12031E-04	1.15160E-05	-1.64078E-06	-1.09210E-06	2.68795E-03	4.65832E-06	2.83818E-05	8.54454E-08
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

29 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	8.71873E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.20974E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.38097E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.43458E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.87602E-01	1.39984E-01	9.48353E-02	2.35878E-02	2.24134E-01	6.25450E-02	1.00286E-01	5.29559E-02
5	3.02704E-02	-2.78746E-02	6.74120E-03	-5.76888E-03	3.18367E-02	-4.58100E-02	2.74175E-02	-7.50416E-03
6	8.41593E-05	-8.93774E-05	2.17080E-05	-2.00157E-05	7.44080E-05	-1.22504E-04	8.90420E-05	-9.35318E-05
7	1.62779E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	3.56706E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	8.27842E-05	1.58785E-05	9.17111E-07	-5.68939E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	3.01144E-03	3.40322E-04	-4.44355E-04	-1.71411E-04	9.04158E-03	1.01414E-03	-1.45958E-03	-5.61386E-04
11	2.36923E-04	-5.93446E-05	1.56549E-05	4.51771E-06	2.10162E-05	-3.30618E-06	-7.22928E-07	-6.37926E-08
12	8.82851E-03	1.92079E-03	-1.94907E-04	-9.24329E-05	2.91701E-05	-8.43170E-06	-2.41001E-06	-1.07562E-07
13	1.99509E-04	2.21726E-06	-2.08363E-05	6.76741E-06	2.78400E-05	3.43835E-06	-9.52558E-06	3.82840E-06
14	2.48891E-04	-1.39329E-04	6.44409E-05	1.36407E-05	6.48673E-05	-6.29409E-05	2.86570E-05	6.11614E-06
15	1.87613E-04	1.32305E-04	3.63653E-06	-4.88311E-05	2.15164E-05	3.72199E-05	1.14852E-05	-1.37722E-05

16	6.53741E-04	3.50903E-04	-4.36418E-05	-2.12356E-05	1.17404E-03	1.03434E-03	-9.01839E-05	-7.94551E-05
17	4.55527E-04	-6.68838E-05	3.20314E-05	1.15991E-05	6.63809E-04	-4.89195E-04	-8.20610E-05	3.32649E-05
18	1.32242E-03	1.17057E-04	-1.55739E-06	3.21281E-06	2.17197E-04	3.97665E-04	2.86573E-04	3.87760E-05
19	3.50226E-03	1.70879E-04	-8.07615E-05	-2.07778E-05	3.36474E-03	-2.54097E-04	-9.92150E-05	-2.86082E-05
20	2.09753E-03	-7.56427E-05	2.68700E-05	8.67362E-06	2.44391E-03	7.29185E-05	3.74013E-05	-1.49389E-05
21	1.61946E-03	-2.61406E-05	2.50023E-05	3.90472E-06	1.73464E-03	-8.63089E-05	5.74763E-05	1.51900E-05
22	1.29977E-03	1.84743E-06	1.13198E-05	2.72111E-07	1.48914E-03	1.92908E-07	2.01732E-05	2.36352E-07
23	1.15471E-03	-5.48774E-07	8.22906E-06	-9.45342E-07	1.30640E-03	-2.43232E-07	1.57679E-05	-6.30624E-07
24	1.18756E-03	1.47395E-06	8.81771E-06	5.19152E-08	1.20156E-03	-5.77283E-07	1.57046E-05	-3.67713E-08
25	1.31954E-03	1.57912E-06	8.77198E-06	4.04205E-07	1.15512E-03	2.96609E-07	1.43017E-05	-5.30007E-08
26	1.94770E-03	6.28305E-06	1.66056E-05	-3.09243E-08	2.38552E-03	1.63884E-07	3.09120E-05	5.25489E-08
27	2.48043E-03	1.31396E-05	2.14313E-05	1.35097E-07	2.71738E-03	-2.81291E-08	3.47308E-05	1.51701E-07
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.18103E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	3.64034E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.58539E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.64586E-01	0.00000E+00	0.00000E+00
4	6.24473E-05	9.59460E-05	2.88412E-05	-4.63817E-06	1.00000E+00	2.53412E-01	5.04679E-02	5.28004E-02
5	6.92858E-05	-6.76967E-05	1.68602E-07	-1.15640E-06	1.00000E+00	6.40837E-03	-6.19557E-03	4.67959E-04
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.39790E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.09390E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.51120E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.50820E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.24060E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07020E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22380E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.69760E-15	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.59020E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	8.12065E-10	2.26512E-09	3.24991E-09	3.59101E-09	6.69630E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	5.17409E-08	3.67649E-09	-2.28969E-08	4.17295E-09	5.89290E-16	3.35529E-03	5.96231E-06	6.95966E-05
19	3.79589E-09	-9.72312E-09	1.15604E-08	-9.04749E-09	8.85880E-17	5.60435E-04	3.80266E-06	-4.78153E-05
20	7.46568E-08	-1.73511E-08	-1.54165E-08	-9.23547E-09	2.61720E-15	1.81845E-03	-1.56184E-06	-5.66737E-05
21	3.55000E-08	-1.19924E-08	-1.12839E-08	8.85024E-09	0.00000E+00	1.97002E-03	0.00000E+00	8.62543E-06
22	1.04093E-07	-1.26066E-08	4.05520E-08	-3.89907E-08	1.59180E-02	1.84904E-03	0.00000E+00	8.48257E-06
23	7.83060E-08	5.71935E-09	-3.50199E-09	5.25437E-09	5.22410E-07	2.25467E-03	0.00000E+00	1.04466E-05
24	9.58578E-08	-3.70767E-10	-3.23990E-08	1.68309E-08	3.15840E-04	3.59811E-03	0.00000E+00	1.61357E-05
25	1.20576E-07	5.88685E-11	2.05938E-08	-9.87644E-09	2.09390E-16	3.35100E-03	0.00000E+00	1.55590E-05
26	1.19003E-07	1.85300E-08	-8.29428E-09	-1.38073E-08	4.51120E-16	3.38729E-03	0.00000E+00	1.60546E-05
27	1.58681E-07	-2.11216E-08	5.25251E-09	6.71451E-09	4.50820E-16	3.40807E-03	0.00000E+00	1.59988E-05
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.24060E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07020E-14	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22380E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.69760E-15	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.59020E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.69630E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.89290E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.85880E-17	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.61720E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	4.95691E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	6.50703E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.68355E-02	9.88353E-02	2.23765E-01	2.50262E-01	2.68206E-01
5	-6.01774E-04	1.39367E-01	1.34949E-01	2.29590E-01	2.11819E-01
6	0.00000E+00	5.11513E-02	1.14937E-01	1.07604E-01	4.46382E-03

7	0.00000E+00	3.74667E-02	7.96551E-02	4.77167E-02	-4.41788E-02
8	0.00000E+00	2.94387E-02	5.77601E-02	2.09540E-02	-5.75351E-02
9	0.00000E+00	2.40044E-02	4.41136E-02	7.65955E-03	-5.73502E-02
10	0.00000E+00	1.59430E-02	2.56849E-02	-5.28749E-03	-4.63606E-02
11	0.00000E+00	1.09837E-02	1.56573E-02	-8.82675E-03	-3.40709E-02
12	0.00000E+00	8.36490E-03	1.09146E-02	-9.02749E-03	-2.61067E-02
13	0.00000E+00	6.51558E-03	7.85102E-03	-8.39517E-03	-2.00585E-02
14	0.00000E+00	5.58504E-03	6.40329E-03	-7.83860E-03	-1.69398E-02
15	0.00000E+00	5.34125E-03	6.03714E-03	-7.66108E-03	-1.61165E-02
16	0.00000E+00	5.14231E-03	5.74370E-03	-7.50376E-03	-1.54445E-02
17	0.00000E+00	4.59943E-03	4.96484E-03	-7.02094E-03	-1.35930E-02
18	1.34888E-05	3.93713E-03	4.02392E-03	-6.36236E-03	-1.13512E-02
19	8.04213E-07	3.15494E-03	3.03254E-03	-5.45333E-03	-8.78884E-03
20	3.25555E-07	2.05080E-03	1.73422E-03	-3.90044E-03	-5.25930E-03
21	0.00000E+00	1.59390E-03	9.89250E-04	-2.78127E-03	-3.14104E-03
22	0.00000E+00	1.01856E-03	6.68044E-04	-2.04804E-03	-2.13784E-03
23	0.00000E+00	7.59250E-04	4.55334E-04	-1.54482E-03	-1.42452E-03
24	0.00000E+00	5.81186E-04	3.02440E-04	-1.21184E-03	-1.03354E-03
25	0.00000E+00	5.76222E-04	2.16094E-04	-9.07195E-04	-7.20704E-04
26	0.00000E+00	5.27125E-04	1.37337E-04	-6.53767E-04	-4.61906E-04
27	0.00000E+00	4.93638E-04	8.86684E-05	-4.96487E-04	-3.17094E-04
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 25

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	6.12811E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.91740E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	3.38727E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	8.62745E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.44148E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	7.60154E-02	3.28353E-02	1.76563E-02	1.39132E-03	3.12488E-01	1.10162E-01	6.05517E-02	1.35150E-02
5	2.61908E-02	-2.57822E-02	3.50606E-03	7.06343E-04	2.90130E-02	-2.44528E-02	5.64566E-03	-1.19560E-02
6	7.51754E-04	-1.30205E-03	1.77978E-03	-1.78882E-03	3.84031E-04	-1.41643E-04	9.60821E-05	-4.68331E-05
7	7.51968E-05	-3.72039E-06	4.04203E-07	9.12054E-07	5.22972E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	1.53616E-05	-5.07256E-06	4.51662E-06	-1.31035E-06	7.80243E-05	0.00000E+00	0.00000E+00	0.00000E+00
9	1.89695E-05	-2.04265E-06	2.48249E-06	-2.65561E-06	9.99204E-05	0.00000E+00	0.00000E+00	0.00000E+00
10	8.92360E-04	4.86216E-05	1.10505E-05	5.49052E-06	1.22045E-04	0.00000E+00	0.00000E+00	0.00000E+00
11	1.42764E-03	3.30277E-05	1.08384E-05	8.69051E-06	9.46843E-03	-2.06330E-04	-2.60343E-04	2.36771E-04
12	6.99589E-04	1.51543E-05	1.84624E-05	1.88958E-06	3.45915E-04	2.36739E-04	1.47847E-04	1.04243E-05
13	7.34824E-04	-1.22839E-07	8.72730E-06	4.37037E-06	6.73407E-03	-3.34511E-04	-3.75449E-04	-3.66027E-06
14	9.25098E-04	1.76399E-05	1.22402E-05	6.33452E-06	2.68073E-04	1.70272E-05	-1.68600E-05	-7.06999E-06
15	2.88858E-04	1.77326E-05	9.63522E-06	-1.63563E-06	6.65247E-04	3.56991E-04	-4.31280E-05	-3.86452E-05
16	8.46640E-04	3.08800E-04	5.09535E-05	-3.37553E-05	1.84640E-03	1.26355E-04	-1.92272E-04	8.10529E-06
17	1.16157E-03	1.22023E-06	-2.23626E-05	7.27277E-06	1.47536E-03	-4.59773E-04	-1.47671E-04	2.66082E-05
18	5.35707E-04	-3.58798E-05	7.31163E-06	5.58399E-06	6.99581E-04	1.00523E-04	-6.63107E-05	-8.12772E-06
19	3.43565E-04	1.05096E-05	1.74161E-06	7.70106E-08	2.18470E-03	2.33095E-04	-1.29327E-04	-1.02091E-05
20	7.27158E-04	1.21624E-05	4.44100E-06	5.37206E-07	3.84359E-03	-1.07113E-04	1.96995E-04	3.11717E-05
21	5.73312E-04	6.92647E-06	3.77027E-06	3.27653E-07	3.21036E-03	-9.39844E-05	1.22805E-05	-8.67241E-06
22	3.33236E-04	-2.65142E-09	3.85837E-08	3.28670E-08	2.32409E-03	-1.21213E-06	1.93777E-05	-1.53122E-06
23	4.64496E-04	1.25502E-05	-2.90300E-05	-1.61410E-05	1.99921E-03	2.30402E-06	1.58192E-05	-5.89604E-07
24	9.89226E-04	2.35436E-05	-9.52781E-06	-4.14282E-06	1.80990E-03	-4.88003E-06	1.48452E-05	1.56590E-06
25	9.65771E-04	4.06093E-06	6.77210E-08	8.11081E-06	1.89780E-03	6.53045E-07	1.38289E-05	-1.92547E-07
26	8.64765E-04	1.45373E-05	2.00015E-06	2.02948E-06	2.03928E-03	1.83355E-06	1.32820E-05	1.14583E-07
27	8.09083E-04	1.11920E-05	5.96329E-06	3.54375E-06	3.38719E-03	3.51489E-06	2.70260E-05	4.21718E-08
28	7.22535E-04	1.51541E-05	7.01837E-07	1.06601E-07	3.92018E-03	5.05440E-06	3.14222E-05	-5.48521E-08
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.04597E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.40054E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.14984E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.10979E-01	0.00000E+00	0.00000E+00	0.00000E+00

4	3.88175E-01	1.19320E-01	5.31849E-02	1.42177E-02	2.77068E-01	1.04487E-01	6.42328E-02	1.40920E-02
5	4.94882E-02	-4.27703E-02	-9.60830E-05	-5.16521E-03	1.87403E-02	-1.57920E-02	1.04622E-02	-1.74962E-02
6	2.53713E-04	-1.14849E-04	7.74400E-05	-2.50394E-05	3.10127E-04	-3.96397E-04	3.25905E-04	-1.05689E-04
7	6.46608E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	9.64700E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	1.23543E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	2.97275E-04	1.52400E-05	3.16803E-06	1.10581E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	4.68872E-03	-6.43202E-05	-1.12349E-04	1.07359E-04	1.38088E-02	-3.14135E-04	-3.86512E-04	3.52975E-04
12	4.92812E-04	3.33602E-04	2.03473E-04	2.85688E-05	3.04846E-05	1.83876E-06	-1.12981E-06	1.05232E-07
13	1.43914E-02	-4.50031E-04	-6.02659E-04	-1.39043E-05	2.34500E-05	2.36421E-06	3.22208E-07	-2.08489E-07
14	2.95323E-04	1.34803E-05	-8.98082E-06	-4.83732E-06	6.10784E-05	6.77929E-06	-6.32715E-06	-2.43443E-06
15	5.50662E-04	2.09892E-04	-3.22131E-05	-2.23266E-05	7.37008E-04	5.20588E-04	-6.61140E-05	-4.89032E-05
16	1.15786E-03	-6.06492E-06	-7.75203E-05	3.87269E-05	2.53293E-03	2.61510E-04	-2.60899E-04	-2.03178E-05
17	8.88732E-04	-2.52205E-04	-5.73118E-05	9.96235E-06	2.00490E-03	-7.00619E-04	-2.34744E-04	4.02729E-05
18	1.00332E-03	2.43738E-04	-8.44009E-05	-1.32517E-05	8.59586E-05	-6.37557E-07	-8.78581E-07	-3.28964E-07
19	2.06169E-03	7.83068E-05	3.34640E-05	2.97177E-05	2.28992E-03	3.54693E-04	-2.69100E-04	-4.18910E-05
20	4.76665E-03	-5.85960E-05	9.65046E-06	-6.65294E-06	3.47947E-03	-9.43181E-05	3.41870E-04	6.02923E-05
21	2.86375E-03	-6.97307E-05	1.10412E-07	-1.11129E-06	3.35656E-03	-1.13593E-04	2.31626E-05	-1.40757E-05
22	2.13917E-03	-1.86763E-06	1.40329E-05	-1.20405E-06	2.35158E-03	-2.97579E-06	2.27362E-05	-2.29165E-06
23	1.81800E-03	2.05286E-06	1.11731E-05	-3.33004E-07	2.03283E-03	5.96717E-07	2.00056E-05	-2.24042E-07
24	1.63864E-03	-2.74293E-06	1.06114E-05	9.16433E-07	1.82152E-03	-1.86075E-06	1.82077E-05	4.94967E-07
25	1.79344E-03	1.78693E-06	9.58133E-06	-6.79553E-08	1.66642E-03	-3.95254E-07	1.69224E-05	-1.48407E-07
26	2.00279E-03	2.38969E-06	9.61461E-06	-2.37202E-07	1.65970E-03	3.28109E-07	1.61915E-05	-1.48081E-08
27	2.99252E-03	7.31481E-06	1.89416E-05	1.94620E-07	3.57682E-03	2.40079E-07	3.51270E-05	-9.73326E-08
28	3.62796E-03	1.61177E-05	2.35303E-05	6.29451E-08	3.92015E-03	-1.35082E-07	3.88268E-05	1.61757E-07
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	8.08320E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.55389E-06	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.73371E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.60152E-01	0.00000E+00	0.00000E+00
4	1.29700E-04	7.47036E-05	7.03695E-06	3.02552E-07	1.00000E+00	2.55599E-01	3.27409E-02	3.68950E-02
5	9.59735E-05	-7.19036E-05	-2.71522E-05	4.93298E-06	1.00000E+00	1.11381E-02	-1.08323E-02	8.00485E-04
6	2.86947E-06	-7.22680E-06	8.28882E-06	-6.09991E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.69680E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.12910E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.82760E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.82270E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.55090E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.81730E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.13340E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06830E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.76570E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.16650E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	1.21357E-08	2.07229E-08	6.10598E-09	-7.79190E-09	5.52410E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	5.11972E-08	-4.94733E-08	-1.80284E-08	8.49156E-09	8.01650E-17	4.79440E-03	2.97763E-05	8.67657E-05
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.98570E-15	7.97879E-04	2.75582E-05	-4.34736E-05
21	7.61319E-08	-5.94076E-08	-2.62881E-08	4.21733E-09	0.00000E+00	2.67031E-03	-1.46999E-05	-6.87619E-05
22	4.02931E-08	-2.51999E-08	2.27780E-09	1.83319E-09	2.04490E-02	2.62336E-03	0.00000E+00	8.25097E-06
23	1.27833E-07	-7.20905E-09	-3.88000E-08	-1.93190E-08	2.45550E-07	2.38008E-03	0.00000E+00	7.26583E-06
24	1.07385E-07	-9.56351E-10	-6.96130E-09	-9.77440E-09	4.05740E-04	3.12520E-03	0.00000E+00	9.28098E-06
25	1.29095E-07	-3.02950E-08	-9.43047E-09	1.13460E-08	2.12910E-16	5.00324E-03	0.00000E+00	1.53241E-05
26	1.65582E-07	2.81778E-08	1.24625E-08	1.28531E-08	4.82760E-16	4.47833E-03	0.00000E+00	1.33515E-05
27	1.66286E-07	7.33890E-09	-2.32053E-08	6.69845E-09	4.82270E-16	4.27213E-03	0.00000E+00	1.25551E-05
28	2.06828E-07	-1.74536E-08	1.53350E-08	-9.50959E-09	2.55090E-15	4.24013E-03	0.00000E+00	1.26531E-05
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.81730E-15	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.13340E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06830E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.76570E-15	0.00000E+00	0.00000E+00	0.00000E+00

33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.16650E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.52410E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.01650E-17	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.98570E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	6.57906E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	7.45172E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.23663E-03	2.33620E-01	4.11963E-01	5.00847E-01	5.47702E-01
5	-1.03192E-03	2.71707E-01	3.76209E-01	4.92001E-01	3.75139E-01
6	0.00000E+00	1.22372E-01	2.42732E-01	2.12720E-01	-5.01710E-02
7	0.00000E+00	8.00169E-02	1.58784E-01	6.39800E-02	-1.43736E-01
8	0.00000E+00	5.97110E-02	1.07646E-01	1.33326E-02	-1.46236E-01
9	0.00000E+00	4.69159E-02	7.80562E-02	-8.53334E-03	-1.31083E-01
10	0.00000E+00	3.82563E-02	5.96189E-02	-1.77931E-02	-1.13284E-01
11	0.00000E+00	2.54093E-02	3.47176E-02	-2.37426E-02	-7.87075E-02
12	0.00000E+00	1.75056E-02	2.11679E-02	-2.23167E-02	-5.36964E-02
13	0.00000E+00	1.33320E-02	1.47585E-02	-1.96466E-02	-3.97532E-02
14	0.00000E+00	1.03856E-02	1.06178E-02	-1.68713E-02	-2.98585E-02
15	0.00000E+00	8.90253E-03	8.66157E-03	-1.52007E-02	-2.49255E-02
16	0.00000E+00	8.51437E-03	8.16664E-03	-1.47262E-02	-2.36444E-02
17	0.00000E+00	8.19756E-03	7.77086E-03	-1.43241E-02	-2.26051E-02
18	0.00000E+00	7.33829E-03	6.70946E-03	-1.31805E-02	-1.97709E-02
19	1.46376E-05	6.26852E-03	5.45045E-03	-1.16622E-02	-1.63864E-02
20	-1.69275E-06	5.02973E-03	4.10494E-03	-9.76771E-03	-1.25661E-02
21	3.76703E-06	3.28571E-03	2.38943E-03	-6.70998E-03	-7.38077E-03
22	0.00000E+00	2.45432E-03	1.28339E-03	-4.71527E-03	-4.50468E-03
23	0.00000E+00	1.60838E-03	8.98000E-04	-3.48612E-03	-2.97411E-03
24	0.00000E+00	1.20604E-03	6.00753E-04	-2.56527E-03	-1.98347E-03
25	0.00000E+00	9.18623E-04	3.99601E-04	-1.98575E-03	-1.42121E-03
26	0.00000E+00	9.01956E-04	3.02297E-04	-1.50306E-03	-9.88231E-04
27	0.00000E+00	8.21602E-04	1.91804E-04	-1.06563E-03	-6.46877E-04
28	0.00000E+00	7.63056E-04	1.17433E-04	-8.02202E-04	-4.37404E-04
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 26

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	7.21924E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.76794E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	3.40570E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	9.27894E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.86635E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	8.14094E-02	2.95263E-02	1.02488E-02	7.15023E-05	3.65428E-01	4.12194E-02	6.02714E-02	1.18083E-02
5	9.58713E-03	-8.38355E-03	7.23879E-04	-2.16673E-04	3.08487E-02	-3.96522E-02	4.55136E-03	6.25357E-03
6	1.37836E-04	-4.29000E-06	2.39749E-06	7.84036E-07	1.54305E-04	-5.74953E-05	-3.43943E-07	-1.55593E-07
7	2.93650E-05	-1.74220E-06	1.05177E-06	-7.98714E-07	2.18081E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	4.39622E-06	1.20995E-07	1.10893E-07	-2.93770E-08	4.91221E-05	0.00000E+00	0.00000E+00	0.00000E+00
9	1.10056E-05	-1.03240E-07	1.78219E-07	-5.67442E-09	6.76125E-05	0.00000E+00	0.00000E+00	0.00000E+00
10	2.58979E-04	3.00453E-05	1.97317E-06	9.19107E-07	7.80801E-05	0.00000E+00	0.00000E+00	0.00000E+00
11	6.30735E-04	-5.92118E-06	4.68373E-06	2.40601E-06	2.00815E-03	8.62618E-04	-1.39360E-04	-7.38988E-05
12	7.72013E-04	2.02847E-06	6.04077E-06	2.90848E-06	2.27810E-03	-6.88518E-04	-1.71512E-04	-5.06656E-05
13	3.08016E-04	-4.72845E-06	1.92307E-06	9.14350E-07	1.94588E-03	4.56405E-04	-1.07853E-04	-3.96507E-06
14	2.80345E-04	7.40105E-06	2.54945E-06	1.38954E-06	5.37746E-04	-6.42351E-04	1.89796E-04	2.50261E-05
15	3.27821E-04	-1.10919E-05	2.27141E-06	1.27847E-06	1.36452E-04	2.14015E-05	2.37880E-05	4.19884E-06
16	5.08201E-04	3.64713E-05	-2.62994E-06	4.42708E-06	7.43681E-04	-1.08980E-04	-7.95482E-05	-4.97757E-06
17	3.29007E-04	-2.52946E-04	-6.49564E-05	1.79723E-05	7.62905E-05	4.93817E-05	9.62989E-06	-7.50827E-06
18	1.27315E-04	-1.55267E-06	2.37718E-05	-9.39824E-06	1.58369E-04	1.25776E-05	-2.98688E-06	-3.06372E-07
19	1.96750E-04	-1.39399E-05	-2.78912E-07	6.10431E-07	3.61048E-04	-2.10246E-05	-1.30434E-05	5.11683E-07
20	1.46015E-04	-3.55278E-06	-1.08604E-06	-6.09129E-08	1.29877E-03	5.36546E-05	-5.29615E-05	-8.65201E-06

21	3.83730E-04	7.53148E-06	1.92373E-06	1.73206E-07	2.12899E-03	1.10584E-04	5.78862E-05	3.77320E-07
22	2.73706E-04	-2.21532E-07	1.03732E-06	9.99760E-08	1.39418E-03	-1.23060E-04	1.45585E-05	7.72678E-06
23	1.51159E-04	4.59852E-09	2.40656E-09	2.31383E-08	1.17844E-03	-1.59120E-06	6.66292E-06	-2.03096E-07
24	2.94000E-04	-1.07115E-05	3.14557E-07	8.89158E-06	1.02229E-03	-2.00723E-07	4.75283E-06	-6.04140E-09
25	4.98004E-04	3.92111E-06	-3.24605E-06	2.98787E-06	9.27791E-04	-4.95416E-07	4.57170E-06	-1.36383E-07
26	4.52197E-04	-9.85937E-07	8.74913E-06	3.94669E-06	1.03505E-03	3.07369E-07	4.22687E-06	1.82936E-09
27	4.14669E-04	2.93146E-06	1.26489E-05	6.82057E-07	1.10350E-03	6.60817E-07	4.24806E-06	-1.16914E-07
28	4.15634E-04	4.30451E-06	1.72747E-05	1.67531E-07	1.85848E-03	1.16506E-06	9.18180E-06	-9.00949E-08
29	3.67646E-04	-2.01098E-06	1.51801E-05	-2.71150E-07	2.05567E-03	1.56057E-06	9.83963E-06	-2.31597E-07
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.25291E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.50823E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.72265E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.12150E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	4.45072E-01	7.58517E-02	4.36436E-02	6.38629E-03	2.96268E-01	1.17936E-02	7.07581E-02	1.64401E-02
5	2.56840E-02	-2.93601E-02	4.50943E-03	8.59033E-05	3.33153E-02	-4.76092E-02	6.11329E-03	1.09869E-02
6	1.02229E-04	-3.17522E-05	-2.64271E-07	-8.16273E-08	6.69910E-05	-2.56497E-05	-1.53439E-07	-6.94127E-08
7	2.69637E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	6.07350E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	8.35967E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	1.52351E-04	2.43422E-05	1.42156E-06	1.78322E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	1.04389E-03	3.73144E-04	-6.29985E-05	-3.37082E-05	2.87244E-03	1.28563E-03	-2.07699E-04	-1.10137E-04
12	1.26581E-03	-3.15801E-04	-8.09229E-05	-2.20978E-05	3.23945E-03	-1.02469E-03	-2.54966E-04	-7.54041E-05
13	3.83952E-03	1.03962E-03	-1.36430E-04	-2.08192E-05	1.77372E-05	-2.33278E-07	-6.11358E-07	-5.95352E-08
14	1.36776E-03	-1.54480E-03	2.17336E-04	6.51009E-05	1.20081E-05	-9.36614E-07	-6.77266E-09	7.25700E-08
15	1.63081E-04	1.83934E-05	1.34146E-05	1.34769E-06	4.04541E-05	2.05430E-05	2.08895E-05	7.95321E-06
16	4.55264E-04	-7.36711E-05	-3.31726E-05	-7.07543E-07	1.02884E-03	-1.47277E-04	-1.23187E-04	-1.15265E-05
17	8.09476E-05	4.29418E-05	9.58021E-06	-7.55629E-06	1.53402E-05	2.20309E-05	4.21656E-06	-3.40108E-06
18	1.48271E-04	1.49078E-05	-3.14859E-06	-1.65037E-06	5.46414E-05	7.27700E-06	-1.40570E-06	-3.31793E-07
19	7.04903E-04	-3.05584E-05	-2.46838E-05	1.37084E-06	2.33746E-05	-6.13213E-06	9.62530E-08	2.62753E-07
20	1.57487E-03	1.86682E-04	-1.35595E-04	-2.66222E-05	1.10814E-03	-3.54976E-05	-5.60285E-06	5.79266E-07
21	2.12949E-03	-7.20759E-05	8.65087E-05	2.35483E-05	2.32469E-03	2.35161E-04	4.97389E-05	-1.39204E-05
22	1.32252E-03	-7.41439E-05	1.64520E-05	7.09777E-07	1.39512E-03	-1.58431E-04	1.49030E-05	1.29067E-05
23	1.08950E-03	-1.34030E-06	4.56783E-06	-1.29490E-07	1.18645E-03	-2.87709E-06	5.96877E-06	-1.89478E-08
24	9.40189E-04	-1.14563E-07	3.33126E-06	-3.45836E-09	1.02164E-03	-1.12024E-07	6.21121E-06	1.42503E-08
25	8.52189E-04	-1.73247E-07	3.15440E-06	-1.16010E-07	9.14232E-04	-2.06304E-07	5.64721E-06	-7.50659E-08
26	1.00673E-03	5.40617E-07	2.95395E-06	-1.78136E-08	8.34914E-04	-1.32344E-07	5.36916E-06	-3.64587E-08
27	1.10738E-03	8.01804E-07	2.97911E-06	-1.80264E-08	8.62750E-04	8.86096E-08	5.24859E-06	-4.88538E-09
28	1.66314E-03	3.00792E-06	6.76288E-06	2.28270E-07	1.94179E-03	1.42890E-07	1.19031E-05	-3.88190E-08
29	1.92449E-03	6.43726E-06	7.66114E-06	1.87009E-08	2.01304E-03	-6.63185E-08	1.26414E-05	-8.12683E-08
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	5.95938E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.86862E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.00279E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	3.16641E-01	0.00000E+00	0.00000E+00
4	1.45166E-04	9.01794E-05	1.16037E-05	-6.69499E-07	1.00000E+00	3.10722E-01	2.71201E-02	2.61762E-02
5	4.35911E-05	-3.84626E-05	-4.73780E-06	-2.33295E-07	1.00000E+00	4.54993E-03	-4.48328E-03	2.38898E-04
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.01730E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.60290E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.35880E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.37330E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.61090E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.58380E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06290E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.23110E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.32290E-15	0.00000E+00	0.00000E+00	0.00000E+00

17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.97790E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.65950E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	9.50269E-09	-5.17662E-09	-1.03397E-08	4.30373E-09	6.72860E-17	0.00000E+00	0.00000E+00	0.00000E+00
20	6.27542E-09	-1.36935E-08	1.09256E-08	-2.64361E-09	9.26830E-16	2.47391E-03	-7.10549E-06	3.75548E-05
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.73730E-04	1.57781E-05	-2.97740E-05
22	1.82750E-08	-2.94210E-08	9.86895E-09	5.42993E-09	2.72780E-02	1.15004E-03	-1.17059E-05	-6.21338E-06
23	1.34975E-08	-8.05153E-09	2.58089E-09	-2.64205E-10	8.11710E-08	1.22991E-03	0.00000E+00	2.63161E-06
24	5.83279E-08	-3.46115E-08	-9.34195E-09	5.97016E-09	5.41230E-04	1.12909E-03	0.00000E+00	2.46183E-06
25	5.18403E-08	-7.55287E-09	-6.19540E-09	1.35834E-09	1.60290E-16	1.70255E-03	0.00000E+00	3.58689E-06
26	5.69803E-08	-1.28830E-08	5.00925E-10	1.23116E-09	2.35880E-16	2.64378E-03	0.00000E+00	5.56476E-06
27	8.59616E-08	9.92901E-09	-2.30024E-09	-1.44763E-08	2.37330E-16	2.30466E-03	0.00000E+00	4.92868E-06
28	8.14431E-08	-1.24108E-08	-1.25325E-08	-1.08630E-08	1.61090E-15	2.08285E-03	0.00000E+00	4.57170E-06
29	9.20925E-08	-1.84315E-08	-2.74721E-08	-2.76660E-08	6.58380E-15	2.06589E-03	0.00000E+00	4.52683E-06
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06290E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.23110E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.32290E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.97790E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.65950E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.72860E-17	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.26830E-16	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	8.87301E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	9.01951E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.30445E-04	2.63990E-01	4.93696E-01	6.11758E-01	6.67768E-01
5	-3.03025E-04	2.28158E-01	3.98358E-01	4.27960E-01	1.52455E-01
6	0.00000E+00	1.09981E-01	2.20765E-01	9.65454E-02	-1.85774E-01
7	0.00000E+00	7.29437E-02	1.28096E-01	6.42919E-03	-1.86827E-01
8	0.00000E+00	5.06085E-02	7.86286E-02	-2.41110E-02	-1.50006E-01
9	0.00000E+00	3.77634E-02	5.33128E-02	-3.13218E-02	-1.16515E-01
10	0.00000E+00	2.96716E-02	3.86642E-02	-3.19739E-02	-9.21040E-02
11	0.00000E+00	2.41946E-02	2.95348E-02	-3.02697E-02	-7.43583E-02
12	0.00000E+00	1.60699E-02	1.72042E-02	-2.47249E-02	-4.71824E-02
13	0.00000E+00	1.10718E-02	1.04941E-02	-1.93440E-02	-3.05132E-02
14	0.00000E+00	8.43267E-03	7.31937E-03	-1.57599E-02	-2.19857E-02
15	0.00000E+00	6.56927E-03	5.26772E-03	-1.28839E-02	-1.62060E-02
16	0.00000E+00	5.63152E-03	4.29831E-03	-1.13311E-02	-1.33971E-02
17	0.00000E+00	5.38570E-03	4.05309E-03	-1.09100E-02	-1.26760E-02
18	0.00000E+00	5.18610E-03	3.85798E-03	-1.05606E-02	-1.20958E-02
19	0.00000E+00	4.64156E-03	3.31621E-03	-9.58017E-03	-1.05119E-02
20	4.94484E-06	3.96239E-03	2.71217E-03	-8.35096E-03	-8.65649E-03
21	3.28353E-06	3.18219E-03	2.03961E-03	-6.86010E-03	-6.58638E-03
22	-2.38004E-06	2.09426E-03	1.21658E-03	-4.59698E-03	-3.86269E-03
23	0.00000E+00	1.47033E-03	6.01210E-04	-3.19744E-03	-2.28769E-03
24	0.00000E+00	1.00859E-03	4.28891E-04	-2.29431E-03	-1.50233E-03
25	0.00000E+00	7.52658E-04	2.91300E-04	-1.68730E-03	-1.00694E-03
26	0.00000E+00	5.71353E-04	2.01138E-04	-1.29420E-03	-7.24248E-04
27	0.00000E+00	5.43023E-04	1.48759E-04	-9.77800E-04	-5.01628E-04
28	0.00000E+00	4.79325E-04	1.00341E-04	-6.97991E-04	-3.30079E-04
29	0.00000E+00	4.33717E-04	5.90186E-05	-5.16024E-04	-2.29313E-04
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 27

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	9.15799E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.17745E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	3.51935E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	9.84725E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.95660E-01	0.00000E+00	0.00000E+00	0.00000E+00

4	8.68586E-02	2.40990E-02	4.79150E-03	7.56054E-05	4.70844E-01	6.14237E-02	4.50033E-02	1.50401E-02
5	1.05752E-02	-8.71502E-03	-1.18976E-04	1.14449E-04	2.03906E-02	-1.62856E-02	-1.15457E-03	-3.94288E-03
6	4.22074E-05	-9.09626E-07	1.00186E-06	-3.20034E-08	9.46556E-05	-3.12540E-06	3.27661E-07	-2.93193E-08
7	4.68825E-06	3.73498E-08	-5.27187E-09	-5.21247E-08	2.71405E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	8.45224E-06	-6.19739E-08	-9.29230E-08	1.71726E-09	1.42937E-05	0.00000E+00	0.00000E+00	0.00000E+00
9	4.83577E-06	3.05449E-08	1.18680E-07	3.06886E-09	3.17971E-05	0.00000E+00	0.00000E+00	0.00000E+00
10	2.35363E-06	-6.75238E-08	-1.40029E-08	-2.70659E-09	4.22970E-05	0.00000E+00	0.00000E+00	0.00000E+00
11	3.62066E-04	2.37962E-06	1.60560E-06	8.20620E-07	4.64590E-05	0.00000E+00	0.00000E+00	0.00000E+00
12	8.30372E-05	-2.91772E-06	4.37164E-07	1.09625E-07	2.36619E-03	4.65846E-04	-1.02874E-04	-1.64493E-04
13	3.28323E-04	-1.20346E-06	8.12196E-07	8.32126E-07	4.50833E-05	-1.91645E-06	-4.96181E-08	1.19416E-07
14	1.10632E-04	-2.98279E-06	4.02266E-07	2.15098E-07	1.35583E-03	1.32200E-04	-9.94262E-06	-6.22401E-06
15	1.43918E-04	7.55815E-07	1.00958E-06	8.57906E-08	3.78408E-05	8.41525E-06	4.84624E-06	-2.63648E-06
16	1.08211E-04	1.16332E-06	5.52909E-07	2.71574E-07	1.49785E-04	2.45771E-05	-3.00225E-05	-9.90866E-06
17	1.83982E-04	-1.41628E-05	1.56348E-07	3.40046E-07	9.48975E-05	-7.77823E-05	1.65337E-05	1.96986E-05
18	6.17414E-06	2.25062E-06	7.87631E-08	9.10316E-10	7.17371E-05	-2.57243E-05	-2.23953E-06	8.20552E-06
19	1.07406E-04	4.96978E-07	-8.59178E-07	1.33034E-06	5.14550E-05	-9.55210E-06	1.89474E-06	-2.93509E-07
20	4.06049E-05	-2.61305E-06	5.21648E-07	-5.81562E-07	1.50720E-04	-4.80757E-06	-6.43890E-06	-4.00287E-07
21	5.14332E-05	-2.55155E-06	6.74014E-07	5.19277E-08	5.65104E-04	-3.20418E-05	-1.05970E-06	2.13684E-06
22	1.84357E-04	-9.08569E-07	5.10829E-07	3.97810E-08	1.04121E-03	-3.92053E-05	3.83538E-06	-3.18996E-06
23	9.83311E-05	2.88778E-07	2.29488E-07	2.02379E-08	6.54637E-04	-4.95449E-06	3.01773E-06	-7.77496E-07
24	6.09262E-05	9.95730E-09	1.88674E-08	3.59651E-09	5.98399E-04	-4.83657E-07	2.03921E-06	1.06038E-07
25	1.58940E-04	-2.69677E-06	8.15227E-06	-8.48677E-07	5.19458E-04	-3.09890E-07	1.50938E-06	-1.25180E-08
26	2.32383E-04	-4.04724E-06	4.73533E-06	-1.97802E-06	4.75187E-04	-3.02999E-07	1.47758E-06	-9.48741E-09
27	1.97972E-04	-5.90511E-07	8.52606E-06	-2.15518E-07	5.43597E-04	8.14841E-08	1.34175E-06	-4.30871E-08
28	1.85141E-04	-2.52627E-07	3.37825E-06	1.39919E-06	5.64366E-04	2.31215E-07	1.38155E-06	-2.48552E-08
29	1.93499E-04	2.01082E-06	3.45515E-08	3.66594E-06	9.61732E-04	4.04804E-07	3.14796E-06	9.99592E-08
30	1.70536E-04	3.29086E-07	1.82439E-06	2.05189E-06	1.04631E-03	4.83038E-07	3.17988E-06	-1.82754E-08
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.47748E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.06500E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	5.92333E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.41574E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.38691E-01	9.59235E-02	3.11609E-02	7.39278E-03	4.28667E-01	4.25209E-02	5.64903E-02	2.21526E-02
5	2.59212E-02	-2.04171E-02	-3.33959E-03	-2.48851E-03	1.53146E-02	-1.26943E-02	9.03028E-04	-5.02903E-03
6	5.71557E-05	-1.35879E-06	1.73931E-07	-1.35384E-08	4.21789E-05	-1.39430E-06	1.46175E-07	-1.30798E-08
7	3.35567E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	1.76728E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	3.93143E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	5.23046E-05	2.40280E-08	3.80167E-08	4.91635E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	1.48733E-04	2.81996E-06	4.08932E-07	-1.31101E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	1.09818E-03	2.09780E-04	-4.62011E-05	-7.38668E-05	3.46158E-03	6.94288E-04	-1.53322E-04	-2.45158E-04
13	1.09453E-04	-6.35883E-06	-6.60742E-07	-5.18601E-07	4.41782E-06	-8.55004E-07	-2.20779E-08	5.32119E-08
14	2.73464E-03	2.59747E-04	-1.06318E-05	-6.97084E-06	8.56210E-06	3.59827E-07	-9.63326E-08	-1.65432E-08
15	5.55019E-05	1.33559E-06	2.86114E-06	-1.83228E-06	4.52623E-06	2.75165E-06	1.74633E-06	-9.58456E-07
16	1.27221E-04	1.21984E-05	-1.79791E-05	-4.93475E-06	1.36938E-04	3.95176E-05	-2.86269E-05	-1.30391E-05
17	6.79056E-05	-3.81150E-05	9.98111E-06	9.05782E-06	9.43595E-05	-1.26738E-04	2.55147E-05	3.07943E-05
18	6.82726E-05	-1.55759E-05	2.59398E-06	8.58842E-06	2.49567E-05	-1.04443E-05	1.48077E-08	4.17195E-06
19	5.84884E-05	-3.08318E-06	-3.28276E-07	-1.36626E-06	1.72196E-05	-4.56156E-06	6.59727E-07	-2.92668E-07
20	2.87316E-04	-1.60437E-05	-9.41928E-06	-4.03286E-07	8.89128E-06	2.10310E-07	-1.99041E-07	-4.26824E-08
21	7.10443E-04	-3.40246E-05	2.12080E-06	6.58440E-06	4.44283E-04	-4.01398E-05	-2.62542E-06	6.41269E-08
22	1.01487E-03	-1.70433E-05	-6.00867E-07	-6.11592E-06	1.16600E-03	-5.06103E-05	8.37116E-06	-2.05954E-06
23	6.51721E-04	-2.46640E-06	1.91436E-06	-5.62536E-07	6.27915E-04	-6.36618E-06	3.46373E-06	-1.26780E-06
24	5.59678E-04	-4.47233E-07	1.44548E-06	1.73134E-07	5.91653E-04	-1.57655E-06	2.51807E-06	9.25675E-07
25	4.83760E-04	-2.61869E-07	1.09431E-06	4.37646E-08	5.10341E-04	-1.17925E-07	2.01778E-06	-1.89358E-09
26	4.40977E-04	-1.77480E-07	1.04654E-06	3.48507E-08	4.60063E-04	-1.47130E-07	1.86998E-06	8.30166E-09
27	5.35741E-04	8.91665E-08	8.48899E-07	-8.91475E-08	4.19705E-04	-6.07633E-09	1.75827E-06	-3.28120E-08
28	5.65008E-04	1.81954E-07	9.25211E-07	-2.00822E-08	4.43450E-04	1.97355E-08	1.76709E-06	-1.13903E-08
29	8.59391E-04	1.20448E-06	2.39991E-06	1.89308E-07	1.00439E-03	3.41812E-08	4.05990E-06	-1.09022E-08
30	9.89528E-04	2.57232E-06	2.51120E-06	2.42929E-08	1.00503E-03	1.54900E-08	4.12092E-06	-2.88274E-08

31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	5.53497E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.19921E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.29397E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.10340E-01	4.22891E-01	0.00000E+00	0.00000E+00
4	1.66307E-04	9.98005E-05	1.26620E-05	-9.52186E-08	1.00000E+00	4.16392E-01	2.43834E-02	1.99529E-02
5	5.50546E-05	-4.68584E-05	-8.39949E-06	7.96632E-07	1.00000E+00	5.86169E-03	-5.79406E-03	1.59579E-04
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.95530E-05	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8 SAME AS ABOVE								
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22440E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.34030E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.35360E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10920E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.77580E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.03090E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.43340E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.71050E-16	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93730E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.78700E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.44460E-17	0.00000E+00	0.00000E+00	0.00000E+00
20	2.26432E-09	-4.34040E-09	2.46941E-09	1.34772E-10	1.18420E-15	6.78052E-04	1.22875E-04	9.02529E-06
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.11179E-04	-1.37580E-04	1.65772E-06
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.44390E-02	3.47670E-04	-1.83145E-06	-7.91841E-06
23	2.01560E-09	-4.10656E-09	3.31924E-09	-1.67328E-09	3.74840E-08	5.28829E-04	-6.31269E-06	-4.36418E-06
24	4.84744E-09	-1.62156E-09	8.36975E-10	2.96246E-10	6.83310E-04	5.47205E-04	0.00000E+00	7.06293E-07
25	1.98253E-08	-1.56313E-08	-8.79796E-10	-1.42008E-09	1.22440E-16	5.14048E-04	0.00000E+00	6.88609E-07
26	2.14381E-08	-8.62477E-09	-5.40971E-09	-4.93456E-09	2.34030E-16	8.75707E-04	0.00000E+00	1.16567E-06
27	2.31922E-08	-7.49419E-09	-4.18051E-09	-4.83976E-09	2.35360E-16	1.30998E-03	0.00000E+00	1.71763E-06
28	4.16917E-08	2.91894E-09	-4.52889E-09	-3.15823E-09	1.10920E-15	1.12971E-03	0.00000E+00	1.51450E-06
29	3.87288E-08	-2.89731E-09	2.88265E-09	1.22545E-08	4.77580E-15	9.63267E-04	0.00000E+00	1.29513E-06
30	4.26797E-08	-1.03275E-08	-8.88776E-09	-2.84897E-09	1.03090E-14	9.56504E-04	0.00000E+00	1.27435E-06
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.43340E-14	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.71050E-16	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93730E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.78700E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.44460E-17	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.18420E-15	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.09346E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.05138E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	3.72414E-04	3.02473E-01	5.87809E-01	7.42672E-01	8.06548E-01
5	-2.25355E-04	2.81527E-01	5.10282E-01	5.44368E-01	2.09349E-01
6	0.00000E+00	1.11212E-01	2.08060E-01	4.94946E-02	-2.42420E-01
7	0.00000E+00	6.67455E-02	1.04402E-01	-2.99545E-02	-1.96861E-01
8	0.00000E+00	4.42643E-02	6.05855E-02	-4.10672E-02	-1.36919E-01
9	0.00000E+00	3.07106E-02	3.71989E-02	-3.90083E-02	-9.42030E-02
10	0.00000E+00	2.29161E-02	2.52263E-02	-3.40136E-02	-6.81338E-02
11	0.00000E+00	1.80056E-02	1.82984E-02	-2.94354E-02	-5.16047E-02
12	0.00000E+00	1.46822E-02	1.39808E-02	-2.55474E-02	-4.05757E-02
13	0.00000E+00	9.75192E-03	8.14842E-03	-1.86689E-02	-2.47598E-02
14	0.00000E+00	6.71929E-03	4.97314E-03	-1.37130E-02	-1.56099E-02
15	0.00000E+00	5.11757E-03	3.47045E-03	-1.08225E-02	-1.10955E-02
16	0.00000E+00	3.98683E-03	2.49927E-03	-8.65441E-03	-8.10039E-03
17	0.00000E+00	3.41781E-03	2.04020E-03	-7.52466E-03	-6.66270E-03
18	0.00000E+00	3.26866E-03	1.92409E-03	-7.22327E-03	-6.29572E-03

19	0.00000E+00	3.14764E-03	1.83101E-03	-6.97638E-03	-6.00044E-03
20	1.50856E-06	2.81346E-03	1.57619E-03	-6.28178E-03	-5.20273E-03
21	-4.13225E-07	2.40492E-03	1.28879E-03	-5.43393E-03	-4.26720E-03
22	1.10992E-06	1.93150E-03	9.69928E-04	-4.42064E-03	-3.23358E-03
23	7.53933E-08	1.27397E-03	5.75542E-04	-2.94794E-03	-1.89552E-03
24	0.00000E+00	8.65191E-04	2.77392E-04	-1.97148E-03	-1.08124E-03
25	0.00000E+00	6.05014E-04	2.09880E-04	-1.42806E-03	-7.35763E-04
26	0.00000E+00	4.49931E-04	1.35173E-04	-1.04711E-03	-4.91542E-04
27	0.00000E+00	3.41397E-04	9.98602E-05	-8.03237E-04	-3.53099E-04
28	0.00000E+00	3.08424E-04	7.06581E-05	-6.03344E-04	-2.45078E-04
29	0.00000E+00	2.61705E-04	4.76931E-05	-4.30293E-04	-1.61052E-04
30	0.00000E+00	2.27499E-04	3.01496E-05	-3.19461E-04	-1.12751E-04
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

32 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 28

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	1.36810E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.09825E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	3.60501E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.04552E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.66146E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	9.20414E-02	2.26549E-02	2.86605E-03	3.37491E-04	4.34060E-01	7.41392E-02	3.48269E-02	-4.01959E-03
5	1.00472E-02	-8.40324E-03	-5.94565E-04	-4.11898E-05	2.36366E-02	-1.97430E-02	-3.22440E-03	-1.18272E-03
6	7.97344E-05	-2.67806E-05	-2.55020E-06	5.60316E-07	1.40527E-05	4.76691E-06	1.53315E-07	7.10906E-09
7	1.25573E-05	-9.08062E-08	8.42273E-08	-4.10027E-09	2.47753E-05	-5.18799E-06	-6.64485E-08	-1.07482E-08
8	4.18215E-06	8.99133E-08	-8.88677E-08	-1.37287E-09	2.75806E-05	0.00000E+00	0.00000E+00	0.00000E+00
9	1.56433E-06	-1.30150E-07	1.33389E-08	5.72527E-10	2.81373E-05	0.00000E+00	0.00000E+00	0.00000E+00
10	2.46779E-06	-8.49753E-09	4.33528E-08	-1.47070E-10	1.65563E-05	0.00000E+00	0.00000E+00	0.00000E+00
11	2.87781E-05	2.76371E-06	1.02671E-07	4.31834E-08	2.16618E-05	0.00000E+00	0.00000E+00	0.00000E+00
12	7.88736E-05	-8.82447E-06	2.06189E-07	9.68486E-08	2.32115E-05	0.00000E+00	0.00000E+00	0.00000E+00
13	2.13126E-05	9.82868E-07	3.91307E-08	7.14812E-08	1.31180E-03	-2.92116E-04	1.54671E-04	1.55258E-04
14	1.24637E-04	-2.87451E-06	3.20147E-07	1.79179E-07	1.77576E-05	-1.49354E-07	9.05549E-08	8.25466E-08
15	5.13117E-05	9.52932E-07	5.96611E-08	1.87891E-08	7.92486E-04	5.82947E-05	1.89590E-06	-8.04189E-07
16	7.78633E-05	5.06441E-07	-9.75337E-08	3.44032E-07	2.13729E-05	2.34280E-06	-9.21417E-07	3.91378E-06
17	4.33714E-05	-2.61543E-06	1.83074E-09	4.99157E-08	5.76201E-05	-1.41281E-05	3.38924E-06	9.82181E-07
18	1.51864E-05	-9.25750E-06	-1.80234E-07	1.46701E-08	2.13299E-05	9.04911E-07	9.56454E-07	3.27510E-07
19	6.61617E-05	1.21716E-05	3.47538E-07	3.89456E-08	3.23281E-05	9.49807E-06	-6.11366E-06	-1.96515E-06
20	4.28012E-05	-4.13370E-06	-2.50400E-07	-2.10512E-07	3.35455E-05	2.39884E-05	6.96522E-06	-3.06404E-06
21	8.54345E-06	-9.50134E-07	1.09561E-07	1.15625E-07	5.06369E-05	-1.90425E-05	-4.78508E-06	1.55532E-06
22	3.24475E-05	2.01733E-06	7.20499E-08	1.37905E-08	2.55427E-04	5.08550E-06	-2.08170E-06	-2.22443E-06
23	6.21337E-05	-3.02181E-06	4.13831E-08	8.61816E-09	4.28827E-04	-4.90270E-05	-1.51117E-06	1.53498E-06
24	3.95004E-05	-1.26075E-07	4.26446E-08	1.00674E-08	3.24931E-04	-4.06554E-06	1.48741E-06	2.72840E-07
25	2.28008E-05	6.08000E-09	2.12532E-09	4.64962E-09	2.80688E-04	-2.51821E-07	5.47595E-07	-1.07929E-08
26	7.28490E-05	7.73799E-07	1.80474E-06	3.13075E-07	2.42630E-04	-2.18925E-07	3.23797E-07	9.86620E-09
27	1.07165E-04	-1.87409E-06	1.98491E-06	3.35167E-07	2.18066E-04	-1.64707E-07	2.86920E-07	-2.19908E-08
28	9.16853E-05	9.02830E-07	4.46048E-06	3.77518E-07	2.53317E-04	6.73294E-08	3.78894E-07	1.41609E-07
29	8.57571E-05	9.41474E-07	2.18913E-06	7.90781E-07	2.60201E-04	2.40061E-07	5.80329E-07	4.18206E-07
30	8.99143E-05	1.42353E-06	6.58324E-08	2.11047E-06	4.47459E-04	1.93683E-07	8.78053E-07	2.42605E-07
31	7.89413E-05	5.09743E-07	-9.48466E-08	1.60251E-06	4.53832E-04	1.27208E-07	7.02785E-07	1.16698E-07
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

33 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.68999E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.90323E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	6.09749E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.61252E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.76108E-01	7.41185E-02	1.93316E-02	-1.95352E-03	3.26803E-01	7.87412E-02	4.68948E-02	-6.62079E-03
5	5.21620E-02	-4.50428E-02	-6.09109E-03	-9.99925E-04	1.18395E-02	-8.74502E-03	-2.50958E-03	-1.68345E-03
6	7.23964E-06	2.45581E-06	7.89846E-08	3.66243E-09	6.26915E-06	2.12660E-06	6.83965E-08	3.17147E-09
7	2.05234E-05	-2.58014E-06	-3.62826E-08	-1.14083E-08	9.31359E-06	-2.31445E-06	-2.96439E-08	-4.79496E-09
8	3.41009E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	3.47892E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

10	2.04703E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	3.90645E-05	4.15581E-06	1.69479E-07	-3.33694E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	4.07468E-05	-1.25162E-05	-4.45353E-07	1.53150E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	6.06391E-04	-1.31156E-04	6.94726E-05	6.97301E-05	1.92437E-03	-4.35365E-04	2.30519E-04	2.31393E-04
14	4.51293E-05	-1.27246E-06	4.60991E-07	1.85321E-07	1.47413E-06	-6.76511E-08	3.91093E-08	3.56897E-08
15	1.61073E-03	1.10999E-04	4.00788E-06	-2.68223E-07	3.64696E-06	-4.44022E-07	-1.43588E-07	-7.63506E-08
16	2.07339E-05	1.22751E-06	-3.84080E-07	2.70353E-06	4.00489E-06	8.51633E-07	-3.34945E-07	1.42270E-06
17	4.90243E-05	-9.59829E-06	2.98132E-06	6.53907E-07	6.12569E-05	-9.04189E-06	-1.70511E-06	5.07590E-07
18	1.98343E-05	1.90817E-06	1.29116E-06	-2.24170E-07	6.64965E-06	5.91103E-07	5.55204E-07	1.57370E-07
19	2.90651E-05	4.35645E-06	-1.35281E-05	-1.14168E-06	1.28203E-05	4.73779E-06	-4.17324E-06	-1.44445E-06
20	4.52919E-05	2.99820E-05	9.74321E-06	-3.54624E-06	4.55446E-06	-1.81548E-06	3.38130E-07	2.54339E-07
21	1.01887E-04	-2.52896E-05	-6.41793E-06	2.05019E-06	3.33212E-06	-9.16157E-07	-1.13654E-07	-4.24972E-09
22	3.81984E-04	6.19002E-05	1.66609E-07	-6.82377E-06	1.67617E-04	-1.98755E-05	-1.24577E-06	-4.71614E-08
23	4.04093E-04	-7.92732E-05	-6.39366E-06	4.84230E-06	4.89537E-04	-4.06053E-05	8.47928E-07	2.79277E-07
24	3.30826E-04	-1.99522E-06	7.46864E-07	1.33004E-07	3.01630E-04	-5.75920E-06	1.79422E-06	5.17880E-07
25	2.66234E-04	-2.42996E-07	4.11390E-07	-2.43361E-08	2.70667E-04	-5.97574E-07	1.04960E-06	-1.60714E-07
26	2.29001E-04	-1.36578E-07	2.48692E-07	-1.00409E-08	2.33528E-04	-7.31726E-08	4.71967E-07	-1.15867E-09
27	2.06665E-04	-1.08052E-07	2.03592E-07	-2.50646E-08	2.04960E-04	-7.75002E-08	3.99211E-07	-9.51525E-09
28	2.53880E-04	-9.74251E-08	1.16024E-07	2.22141E-08	1.87091E-04	4.78043E-09	3.70426E-07	0.00000E+00
29	2.64345E-04	4.80493E-09	1.98922E-07	1.51797E-08	2.01325E-04	3.23413E-09	3.78393E-07	-5.56030E-09
30	4.07906E-04	3.07378E-07	5.42739E-07	2.06588E-08	4.54878E-04	5.64229E-09	8.99338E-07	-6.82607E-09
31	4.39427E-04	7.58010E-07	5.30722E-07	-3.07085E-09	4.28115E-04	-1.19284E-10	8.32464E-07	-7.60431E-09
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	5.92824E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.85080E-06	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.63530E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.44601E-01	0.00000E+00	0.00000E+00
4	1.88496E-04	1.15374E-04	1.08921E-05	-1.13712E-06	0.00000E+00	3.37937E-01	1.63980E-02	9.25426E-03
5	6.30351E-05	-5.36234E-05	-9.43877E-06	2.23000E-07	1.00000E+00	6.44367E-03	-6.39220E-03	8.93456E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31890E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.11370E-17	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.23390E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.26000E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.47500E-16	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.32720E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02710E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.71730E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.54320E-16	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24580E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.99020E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.58880E-17	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.27950E-16	0.00000E+00	0.00000E+00	0.00000E+00
21	1.03646E-10	-2.54140E-10	2.99023E-10	-2.46267E-10	0.00000E+00	4.42060E-04	-1.44300E-05	2.73293E-06
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.32260E-02	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.46010E-08	1.43525E-04	-3.28089E-06	-1.61087E-06
24	1.46924E-10	-2.53921E-10	1.06154E-10	6.26994E-12	8.57670E-04	2.26992E-04	-3.84984E-06	-1.20596E-06
25	1.98319E-09	-4.02357E-10	1.88642E-10	-2.30533E-10	8.11370E-17	2.34943E-04	0.00000E+00	1.72462E-07
26	6.88743E-09	-6.04755E-09	-7.27205E-10	1.01906E-09	1.23390E-16	2.09338E-04	0.00000E+00	1.46989E-07
27	8.50369E-09	-5.44685E-09	-3.76691E-09	-1.59100E-09	1.26000E-16	3.95541E-04	0.00000E+00	2.73880E-07
28	1.26910E-08	4.81353E-09	1.14079E-08	1.75108E-08	7.47500E-16	5.78548E-04	0.00000E+00	4.10684E-07
29	2.75893E-08	2.23200E-08	3.41783E-08	5.18638E-08	3.32720E-15	4.81023E-04	0.00000E+00	3.32724E-07
30	2.14666E-08	8.86212E-09	2.07779E-08	3.00686E-08	1.02710E-14	4.12697E-04	0.00000E+00	2.83728E-07
31	2.13371E-08	5.46376E-11	5.31631E-09	1.40130E-08	1.71730E-14	4.27642E-04	0.00000E+00	2.98393E-07
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.54320E-16	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24580E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.99020E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.58880E-17	0.00000E+00	0.00000E+00	0.00000E+00

36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.27950E-16	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

38 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.36398E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.18797E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.85441E-04	3.28506E-01	6.61666E-01	8.43823E-01	9.21013E-01
5	-1.40269E-04	3.25704E-01	6.12387E-01	6.40281E-01	2.36717E-01
6	0.00000E+00	1.39854E-01	2.62613E-01	6.53433E-02	-3.01217E-01
7	0.00000E+00	6.74759E-02	9.83812E-02	-4.79917E-02	-2.04823E-01
8	0.00000E+00	4.04934E-02	4.93794E-02	-5.07559E-02	-1.24385E-01
9	0.00000E+00	2.68555E-02	2.86642E-02	-4.14633E-02	-7.87141E-02
10	0.00000E+00	1.86320E-02	1.76056E-02	-3.26365E-02	-5.12540E-02
11	0.00000E+00	1.39031E-02	1.19437E-02	-2.61587E-02	-3.59908E-02
12	0.00000E+00	1.09238E-02	8.66691E-03	-2.15508E-02	-2.67429E-02
13	0.00000E+00	8.90774E-03	6.62388E-03	-1.81412E-02	-2.07691E-02
14	0.00000E+00	5.91656E-03	3.86366E-03	-1.26753E-02	-1.24345E-02
15	0.00000E+00	4.07665E-03	2.36044E-03	-9.04657E-03	-7.73982E-03
16	0.00000E+00	3.10501E-03	1.64863E-03	-7.02920E-03	-5.46433E-03
17	0.00000E+00	2.41900E-03	1.18838E-03	-5.55842E-03	-3.97051E-03
18	0.00000E+00	2.07376E-03	9.70721E-04	-4.80391E-03	-3.25772E-03
19	0.00000E+00	1.98323E-03	9.15663E-04	-4.60414E-03	-3.07646E-03
20	0.00000E+00	1.90988E-03	8.70903E-04	-4.44035E-03	-2.93066E-03
21	2.49730E-07	1.70599E-03	7.52183E-04	-3.98607E-03	-2.53807E-03
22	0.00000E+00	1.45927E-03	6.14244E-04	-3.43163E-03	-2.07830E-03
23	2.20330E-07	1.17199E-03	4.62849E-04	-2.77687E-03	-1.57244E-03
24	1.47774E-08	7.73380E-04	2.67737E-04	-1.84010E-03	-9.08203E-04
25	0.00000E+00	5.13508E-04	1.38584E-04	-1.20593E-03	-5.45076E-04
26	0.00000E+00	3.65293E-04	1.03081E-04	-8.83360E-04	-3.57721E-04
27	0.00000E+00	2.69579E-04	6.46773E-05	-6.44090E-04	-2.39430E-04
28	0.00000E+00	2.05197E-04	4.93148E-05	-4.94332E-04	-1.71797E-04
29	0.00000E+00	1.75885E-04	3.43646E-05	-3.69743E-04	-1.20298E-04
30	0.00000E+00	1.43019E-04	2.31358E-05	-2.63455E-04	-7.94522E-05
31	0.00000E+00	1.19737E-04	1.50633E-05	-1.95565E-04	-5.56926E-05
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

33 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 29

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	1.71569E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.04092E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	3.77236E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.00730E-01	0.00000E+00	0.00000E+00	0.00000E+00	6.21479E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	8.04873E-02	2.58788E-02	1.71710E-03	-1.38188E-04	5.01264E-01	1.70493E-01	3.51992E-02	9.99664E-03
5	1.07542E-02	-1.02718E-02	-7.47561E-04	-3.20047E-04	3.09655E-02	-2.72072E-02	-2.59046E-03	-1.04159E-03
6	3.29096E-04	4.02689E-06	-1.01157E-05	5.74328E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	1.16539E-06	1.25895E-07	2.25414E-08	-4.89959E-09	1.09027E-05	1.74613E-07	2.62223E-08	9.18030E-11
8	2.32728E-06	-1.56092E-07	9.65580E-09	-4.47489E-10	1.56711E-08	0.00000E+00	0.00000E+00	0.00000E+00
9	1.27850E-06	-1.00308E-09	-2.20031E-08	-2.80153E-10	3.90363E-07	0.00000E+00	0.00000E+00	0.00000E+00
10	1.71675E-07	-9.03507E-09	9.13970E-10	7.81761E-11	2.05584E-06	0.00000E+00	0.00000E+00	0.00000E+00
11	6.67639E-07	-5.03237E-09	8.78985E-09	8.89298E-11	4.53668E-06	0.00000E+00	0.00000E+00	0.00000E+00
12	9.90696E-06	-2.01244E-07	1.57339E-08	8.77988E-09	5.89822E-06	0.00000E+00	0.00000E+00	0.00000E+00
13	1.04815E-05	-1.35732E-07	1.76851E-08	1.11558E-08	6.24884E-06	0.00000E+00	0.00000E+00	0.00000E+00
14	8.28969E-06	2.48946E-06	2.52927E-07	-2.63925E-08	3.87450E-04	-9.24933E-05	-5.41414E-05	1.31693E-04
15	2.88200E-05	-2.06032E-06	4.29478E-09	2.06345E-08	4.54942E-06	3.22096E-07	7.97046E-09	-1.16753E-07
16	1.42941E-05	-7.64754E-07	6.81252E-08	7.12727E-08	2.52498E-04	1.52344E-05	-2.35072E-06	-4.77615E-07
17	1.87873E-05	-6.66189E-07	-1.71454E-08	5.94168E-08	6.91584E-06	3.99242E-06	2.11526E-06	5.01657E-07
18	8.68675E-06	-7.80298E-07	-2.18192E-08	9.97422E-09	1.22395E-05	-1.25918E-06	-4.46565E-07	2.29139E-08
19	2.79691E-06	1.40007E-06	3.75688E-08	5.31036E-09	6.51730E-06	9.00929E-07	1.10005E-07	-3.20212E-07
20	1.89199E-05	-8.59610E-06	-1.84520E-07	-9.02661E-09	6.48019E-06	-5.92921E-06	-9.39798E-07	1.54040E-06

21	5.87063E-06	-5.57141E-07	-9.34813E-08	-1.13665E-08	1.95740E-05	5.74496E-07	-4.42198E-06	2.91997E-06
22	1.90849E-06	-1.90111E-08	1.17325E-09	3.67660E-09	6.70312E-06	-5.43237E-07	3.64096E-06	4.02485E-07
23	9.24219E-06	-2.77660E-07	-1.63156E-09	3.78541E-09	6.73757E-05	-1.05269E-05	-3.52860E-06	-1.82633E-06
24	1.34081E-05	-2.81976E-07	1.01171E-08	4.43539E-09	1.04947E-04	-8.77509E-06	2.93793E-07	-1.11608E-09
25	9.30028E-06	-1.24336E-07	7.69745E-09	4.00157E-09	9.75617E-05	-9.61592E-07	-1.00224E-07	-4.27100E-07
26	5.25817E-06	8.27498E-10	1.40082E-09	2.26801E-09	9.36154E-05	-4.43780E-08	1.54980E-07	-1.39198E-08
27	1.99011E-05	1.44453E-07	5.38244E-09	2.82316E-07	8.15757E-05	-6.44006E-08	1.10365E-07	1.98537E-09
28	2.94322E-05	-7.03938E-07	-3.82564E-07	9.93242E-07	7.37989E-05	-4.13191E-08	9.88967E-08	4.12589E-10
29	2.52782E-05	2.34371E-07	3.48176E-07	7.31933E-07	8.18723E-05	3.01919E-08	1.39729E-07	6.39719E-08
30	2.41633E-05	5.89599E-07	4.36838E-07	3.73840E-07	8.31294E-05	3.78797E-08	1.33879E-07	5.91187E-08
31	2.58787E-05	1.27006E-06	4.64184E-07	3.08438E-07	1.46592E-04	3.68453E-08	2.49821E-07	3.35155E-08
32	2.25925E-05	9.38187E-07	3.14408E-07	2.64188E-07	1.51000E-04	1.73048E-08	1.95348E-07	-1.28353E-08
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	3.57371E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.47149E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	6.35465E-01	0.00000E+00	0.00000E+00	0.00000E+00	6.96113E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.16900E-01	1.51508E-01	2.24085E-02	5.36054E-03	5.53921E-01	2.10461E-01	4.82418E-02	1.41348E-02
5	3.19301E-02	-2.94800E-02	-1.96385E-03	-1.94351E-04	3.35782E-02	-2.97859E-02	-2.72683E-03	-1.01938E-03
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	5.61683E-06	8.99568E-08	1.35091E-08	4.72949E-11	4.86389E-06	7.78979E-08	1.16982E-08	4.09549E-11
8	1.55210E-06	-3.54968E-08	-1.44172E-08	3.79470E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	4.82649E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	2.54185E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	5.60919E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	1.13214E-05	-2.65122E-07	2.61685E-09	5.00714E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	7.72612E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	1.78560E-04	-4.15741E-05	-2.43168E-05	5.91462E-05	5.69396E-04	-1.37851E-04	-8.06914E-05	1.96273E-04
15	1.21416E-05	2.99760E-07	4.90634E-08	-7.23589E-08	4.65851E-07	1.40959E-07	2.07929E-09	-5.14633E-08
16	5.14593E-04	3.54833E-05	-1.60988E-06	-5.57310E-07	5.71149E-07	-4.72051E-07	-1.68955E-08	1.11263E-07
17	6.18584E-06	2.84467E-06	1.57097E-06	4.21531E-07	1.62434E-06	1.45129E-06	7.68917E-07	1.82358E-07
18	1.09620E-05	-8.73073E-07	-3.53334E-07	-9.48716E-08	1.37905E-05	-1.63649E-06	-6.52210E-07	3.55993E-08
19	5.75798E-06	7.97001E-07	-4.23553E-07	-1.45634E-07	2.28952E-06	4.73333E-07	-7.20442E-09	-1.81359E-07
20	6.14181E-06	-6.45564E-06	1.75064E-06	7.38755E-07	2.51858E-06	-3.28057E-06	-9.55293E-08	9.17799E-07
21	2.57246E-05	8.89950E-07	-5.88773E-06	3.75440E-06	8.82230E-07	-1.86911E-07	5.27847E-08	1.36198E-08
22	1.82263E-05	-1.31895E-06	4.65270E-06	5.01324E-07	6.35188E-07	-6.76177E-08	-7.47106E-09	-3.55124E-09
23	1.14965E-04	-1.55629E-05	-6.02038E-06	-2.39189E-06	3.89375E-05	-5.71414E-06	-3.61850E-07	-2.41454E-08
24	9.27037E-05	-5.50552E-06	2.48176E-07	4.82776E-08	1.22967E-04	-1.08380E-05	4.60718E-07	-3.05777E-08
25	1.02279E-04	-4.94209E-07	-1.94593E-08	-1.90753E-07	8.74068E-05	-1.40709E-06	-2.07650E-07	-6.15763E-07
26	8.91172E-05	-3.71311E-08	1.05822E-07	-1.47174E-08	8.99249E-05	-3.69374E-08	2.09152E-07	-3.67718E-08
27	7.72426E-05	-2.84089E-08	7.61700E-08	8.26886E-10	7.84090E-05	-2.10268E-08	1.50364E-07	-6.36126E-10
28	6.96228E-05	-2.57878E-08	6.21417E-08	-1.10438E-08	6.98257E-05	-1.98367E-08	1.35867E-07	-4.30131E-10
29	8.08725E-05	-3.49575E-08	5.47897E-08	1.46747E-08	6.36855E-05	1.62967E-09	1.25392E-07	0.00000E+00
30	8.20818E-05	-3.88097E-09	5.72871E-08	-9.13158E-09	6.84898E-05	1.07896E-09	1.29935E-07	-1.44236E-09
31	1.30417E-04	5.77975E-08	1.40436E-07	-1.48400E-09	1.54164E-04	2.71619E-09	3.00396E-07	-1.96695E-09
32	1.44561E-04	1.85425E-07	1.57595E-07	-7.69801E-09	1.45732E-04	1.25981E-09	2.83389E-07	-2.20679E-09
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	6.71601E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.60585E-07	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.91657E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.53608E-01	0.00000E+00	0.00000E+00
4	1.33705E-04	1.79329E-04	3.28971E-05	-4.90054E-06	0.00000E+00	3.39158E-01	2.18196E-02	5.79867E-03
5	7.39245E-05	-6.42067E-05	-1.18314E-05	5.24270E-06	1.00000E+00	6.67989E-03	-6.62677E-03	2.53174E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.78380E-06	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8	SAME AS ABOVE							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.22510E-17	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.50510E-16	0.00000E+00	0.00000E+00	0.00000E+00

11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.54870E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.53270E-16	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.46020E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02860E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.00090E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.35260E-16	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46890E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.45000E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.18540E-17	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.15880E-16	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	1.41411E-12	-1.50114E-12	-2.32370E-13	8.21127E-14	5.14240E-02	1.02377E-04	-4.13258E-06	3.78550E-07
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.40770E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02030E-03	3.56973E-05	-8.54493E-07	-2.46671E-07
25	2.06513E-11	-4.12540E-11	2.52719E-11	1.63484E-12	5.22510E-17	6.06261E-05	-8.70692E-07	-2.70689E-07
26	5.10117E-10	-8.50378E-11	-5.24953E-11	-1.37483E-10	1.50510E-16	6.51823E-05	0.00000E+00	3.57864E-08
27	1.58676E-09	-1.56075E-09	7.35705E-11	2.35957E-10	1.54870E-16	6.04117E-05	0.00000E+00	3.48132E-08
28	2.12262E-09	-1.67265E-09	-9.24715E-10	3.08391E-11	5.53270E-16	1.18765E-04	0.00000E+00	6.87355E-08
29	3.81044E-09	2.57497E-09	5.25060E-09	7.93045E-09	2.46020E-15	1.69322E-04	0.00000E+00	9.44594E-08
30	6.62398E-09	2.46452E-09	3.93915E-09	7.33173E-09	1.02860E-14	1.43413E-04	0.00000E+00	8.31431E-08
31	5.22429E-09	6.31127E-10	3.09382E-09	4.14707E-09	2.00090E-14	1.23941E-04	0.00000E+00	7.28496E-08
32	4.97520E-09	-2.68575E-09	-3.08504E-09	-1.65913E-09	9.35260E-16	1.28197E-04	0.00000E+00	7.41792E-08
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46890E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.45000E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.18540E-17	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.15880E-16	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.62416E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.27251E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.87075E-04	1.96105E-01	4.64175E-01	5.77125E-01	6.69538E-01
5	-7.80063E-05	2.29544E-01	4.08792E-01	5.01087E-01	3.45620E-01
6	0.00000E+00	9.33476E-02	1.84280E-01	7.17264E-02	-1.70568E-01
7	0.00000E+00	4.76976E-02	7.35753E-02	-2.40979E-02	-1.41992E-01
8	0.00000E+00	2.30122E-02	2.75720E-02	-2.98387E-02	-7.03907E-02
9	0.00000E+00	1.38103E-02	1.38439E-02	-2.29359E-02	-3.93775E-02
10	0.00000E+00	9.15908E-03	8.03920E-03	-1.69983E-02	-2.40834E-02
11	0.00000E+00	6.35444E-03	4.93985E-03	-1.26793E-02	-1.53428E-02
12	0.00000E+00	4.74160E-03	3.35254E-03	-9.87496E-03	-1.06409E-02
13	0.00000E+00	3.72561E-03	2.43374E-03	-7.98722E-03	-7.84181E-03
14	0.00000E+00	3.03796E-03	1.86083E-03	-6.64297E-03	-6.05782E-03
15	0.00000E+00	2.01783E-03	1.08646E-03	-4.55579E-03	-3.59685E-03
16	0.00000E+00	1.39031E-03	6.64560E-04	-3.21061E-03	-2.22693E-03
17	0.00000E+00	1.05895E-03	4.64633E-04	-2.47729E-03	-1.56797E-03
18	0.00000E+00	8.25041E-04	3.35287E-04	-1.94881E-03	-1.13745E-03
19	0.00000E+00	7.07263E-04	2.74096E-04	-1.67956E-03	-9.32555E-04
20	0.00000E+00	6.76407E-04	2.58604E-04	-1.60857E-03	-8.80518E-04
21	0.00000E+00	6.51288E-04	2.46122E-04	-1.55041E-03	-8.38799E-04
22	3.73502E-08	5.81800E-04	2.12716E-04	-1.38958E-03	-7.26014E-04
23	0.00000E+00	4.97703E-04	1.73786E-04	-1.19364E-03	-5.94465E-04
24	4.85609E-08	3.99743E-04	1.31142E-04	-9.63414E-04	-4.49802E-04
25	-2.78304E-09	2.63724E-04	7.35206E-05	-6.32768E-04	-2.60412E-04
26	0.00000E+00	1.72681E-04	4.39242E-05	-4.19833E-04	-1.56102E-04
27	0.00000E+00	1.24429E-04	2.96106E-05	-3.03945E-04	-1.03046E-04
28	0.00000E+00	9.13498E-05	1.86585E-05	-2.21012E-04	-6.88107E-05
29	0.00000E+00	6.96604E-05	1.42715E-05	-1.69609E-04	-4.98146E-05
30	0.00000E+00	5.76403E-05	9.99447E-06	-1.26777E-04	-3.49741E-05
31	0.00000E+00	4.54639E-05	6.72947E-06	-9.02352E-05	-2.32855E-05

32	0.00000E+00	3.70320E-05	4.45427E-06	-6.69645E-05	-1.63552E-05
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

34 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 30

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	1.93888E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.98126E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	3.89977E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.01091E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.18009E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	7.72533E-02	2.57753E-02	3.66160E-03	-2.13792E-03	1.94836E+00	5.84281E-01	-8.32046E-02	6.36071E-02
5	1.78784E-02	-1.58089E-02	-3.02000E-03	1.75480E-03	1.18014E-01	-1.03570E-01	-1.20013E-02	-3.24645E-03
6	1.51624E-06	-3.23112E-06	4.50146E-06	-6.14251E-06	1.87979E-05	-4.86694E-05	5.96873E-05	-5.08006E-05
7	1.98491E-04	8.59407E-07	-5.94868E-06	-1.45972E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	1.37146E-06	-8.51210E-09	-3.60315E-09	-4.78453E-10	6.13267E-06	-3.46853E-07	-4.59162E-10	3.67829E-10
9	3.25608E-07	-3.02227E-09	2.13508E-09	1.14897E-10	8.58450E-09	0.00000E+00	0.00000E+00	0.00000E+00
10	7.03445E-07	-7.71675E-09	-1.11892E-08	1.68624E-10	2.13841E-07	0.00000E+00	0.00000E+00	0.00000E+00
11	6.81342E-08	2.87626E-09	4.46831E-09	9.33569E-10	1.12616E-06	0.00000E+00	0.00000E+00	0.00000E+00
12	3.57847E-07	-9.18686E-09	4.17519E-10	-1.35879E-09	2.48282E-06	0.00000E+00	0.00000E+00	0.00000E+00
13	4.91154E-06	-1.24395E-07	5.40378E-09	3.37904E-09	3.21939E-06	0.00000E+00	0.00000E+00	0.00000E+00
14	5.46896E-06	-8.31103E-08	6.89954E-09	3.78351E-09	3.39581E-06	0.00000E+00	0.00000E+00	0.00000E+00
15	1.19586E-05	-7.13289E-08	-1.81153E-07	3.94089E-08	2.95641E-04	2.55284E-04	6.36740E-06	-1.56799E-04
16	9.94544E-06	-6.70188E-08	-8.04701E-09	-1.35058E-08	2.50943E-06	-6.45474E-09	-7.04328E-08	2.82275E-08
17	7.20847E-06	-2.26683E-07	6.89354E-09	5.62813E-09	1.47860E-04	4.23221E-07	-5.76047E-06	-9.81350E-08
18	9.56728E-06	-4.08532E-07	3.92921E-09	6.77915E-09	5.46964E-06	4.71635E-06	2.84440E-06	1.64047E-06
19	4.13952E-06	-4.33736E-07	3.12847E-08	2.82478E-08	6.25906E-06	-7.37469E-07	-1.98706E-07	8.64224E-09
20	3.18458E-06	-1.08533E-07	6.93426E-10	2.85819E-10	3.86997E-06	2.67302E-07	-2.84912E-07	1.13220E-07
21	2.31565E-07	4.00623E-09	0.00000E+00	3.41644E-10	1.86555E-06	-2.11688E-06	1.39991E-06	-4.06675E-07
22	2.81905E-06	-2.85266E-07	8.12386E-08	6.73147E-10	1.08258E-05	-1.29897E-06	1.00956E-07	1.39208E-07
23	9.97546E-07	-6.79847E-09	6.11806E-10	2.35916E-10	4.78887E-06	3.63190E-06	2.34493E-06	-4.60882E-07
24	4.73322E-06	-1.58523E-07	-1.51536E-09	-9.70592E-11	3.29044E-05	-1.02154E-05	-3.28120E-06	4.76785E-07
25	6.95699E-06	-2.62571E-08	9.07675E-08	9.72032E-10	5.68579E-05	-4.99833E-06	-4.15572E-07	-4.95449E-07
26	4.68146E-06	-1.95897E-07	-7.23918E-08	1.95198E-10	5.65494E-05	-1.36997E-06	-7.31383E-07	-2.74720E-07
27	2.67792E-06	2.24027E-09	1.27952E-09	4.86053E-10	5.66102E-05	-1.83995E-08	8.02126E-08	-3.36404E-09
28	1.12664E-05	4.03525E-07	-2.90729E-08	7.25336E-09	4.90027E-05	-3.49918E-08	6.37178E-08	2.82748E-09
29	1.67109E-05	5.77484E-08	-1.60006E-07	4.32410E-07	4.64517E-05	-2.51178E-08	5.82834E-08	-5.18352E-09
30	1.43709E-05	5.70290E-07	1.77002E-07	2.54196E-07	4.99879E-05	4.02973E-10	5.51765E-08	-3.14688E-09
31	1.34620E-05	-3.80886E-07	4.93405E-07	4.89415E-07	5.08116E-05	8.68512E-09	6.14773E-08	6.45277E-09
32	1.42503E-05	-1.24948E-06	8.15664E-07	7.68765E-07	8.86400E-05	9.21200E-09	1.25759E-07	-8.75870E-09
33	1.24990E-05	-1.15921E-06	6.28414E-07	6.60808E-07	9.20279E-05	1.01040E-08	1.17174E-07	-6.64099E-09
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

35 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	2.59014E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.60176E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.43596E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.97107E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.23985E+00	3.67517E-01	-2.96482E-02	2.79330E-02	2.68321E+00	8.02597E-01	-1.27682E-01	9.72703E-02
5	1.14897E-01	-1.04857E-01	-1.08984E-02	-2.32160E-03	1.40317E-01	-1.21123E-01	-1.49587E-02	-4.20723E-03
6	1.77829E-05	-4.40057E-05	4.82952E-05	-3.19043E-05	7.52855E-05	-1.86302E-04	2.04462E-04	-1.35070E-04
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	3.15942E-06	-1.78691E-07	-2.36550E-10	1.89497E-10	2.73589E-06	-1.54737E-07	-2.04840E-10	1.64095E-10
9	8.18713E-07	-5.20602E-08	-1.17902E-09	2.07627E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	2.64395E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	1.39239E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	3.06979E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	6.07826E-06	-9.73410E-08	3.92197E-08	5.08318E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	4.19861E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	1.35627E-04	1.15617E-04	3.85074E-06	-6.98773E-05	4.36289E-04	3.80471E-04	9.48988E-06	-2.33690E-04
16	6.57170E-06	-7.29032E-07	-8.89313E-07	-4.64593E-07	3.04994E-07	-4.48775E-09	-3.08097E-08	1.35615E-08
17	3.07992E-04	1.16419E-05	-6.33216E-06	1.32328E-07	1.45797E-07	-8.58140E-08	6.02036E-08	-2.94876E-08
18	4.63665E-06	3.48383E-06	1.97643E-06	1.00993E-06	1.52961E-06	1.71444E-06	1.03397E-06	5.96328E-07

19	5.57673E-06	-7.69857E-07	-1.49569E-07	1.48103E-07	7.05028E-06	-9.60428E-07	-2.87283E-07	1.39915E-08
20	3.34662E-06	5.09716E-08	-2.87930E-07	1.63696E-07	1.42832E-06	1.23756E-07	-1.64534E-07	7.85440E-08
21	1.83809E-06	-1.46739E-06	1.56489E-06	-5.87643E-07	5.27600E-07	-1.08676E-06	8.40707E-07	-3.47021E-07
22	1.41790E-05	-1.86647E-06	-7.20975E-08	1.66398E-07	4.99316E-07	6.40424E-08	1.61164E-07	6.25341E-08
23	1.12657E-05	4.11901E-06	2.63892E-06	-1.00304E-06	4.18739E-07	2.13545E-07	4.14186E-07	5.55249E-07
24	5.76876E-05	-1.52805E-05	-4.31142E-06	1.16114E-06	1.97994E-05	-3.63680E-06	-7.51233E-07	-6.69952E-07
25	5.15299E-05	-2.84725E-06	-6.57540E-08	-1.97753E-07	6.61946E-05	-6.33707E-06	-6.35544E-07	-7.48248E-07
26	6.00060E-05	-6.51500E-07	-3.15591E-07	-1.25264E-07	4.95878E-05	-2.03163E-06	-1.11105E-06	-4.05154E-07
27	5.38511E-05	-1.51752E-08	5.19788E-08	-2.27441E-09	5.44421E-05	-8.38385E-09	1.01996E-07	-1.16668E-09
28	4.73837E-05	-1.49069E-08	4.35356E-08	-7.13961E-10	4.61645E-05	-1.15937E-08	8.26321E-08	3.60847E-10
29	4.37642E-05	-1.99284E-08	2.66590E-08	-1.73462E-08	4.40137E-05	-1.17416E-08	8.33342E-08	-2.23175E-09
30	4.91817E-05	-1.40497E-08	4.96639E-08	1.82762E-08	3.97340E-05	1.03923E-09	7.66650E-08	0.00000E+00
31	4.89785E-05	-4.38514E-09	3.14568E-08	-9.73707E-09	4.33592E-05	8.81042E-10	8.21305E-08	-7.52025E-10
32	7.73039E-05	2.53313E-08	7.62746E-08	8.60461E-10	9.45024E-05	1.95577E-09	1.78195E-07	-1.14206E-09
33	8.70989E-05	9.71820E-08	9.00607E-08	-5.15687E-09	9.05031E-05	1.21841E-09	1.72333E-07	-1.34517E-09
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	7.45488E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.15004E-07	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.10094E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.57831E-01	0.00000E+00	0.00000E+00
4	1.18526E-04	1.94651E-04	6.58716E-05	-2.09206E-05	0.00000E+00	3.40246E-01	2.38651E-02	4.27378E-03
5	1.44041E-04	-9.63002E-05	-6.31909E-05	2.25987E-05	1.00000E+00	1.44752E-02	-1.43667E-02	1.13944E-05
6	1.04822E-06	-2.86132E-06	3.91992E-06	-4.00312E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.19630E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.03680E-17	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.85870E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.89380E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.45380E-16	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.03450E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06630E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.21050E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.25010E-16	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.00250E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.22900E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.26490E-17	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.63470E-16	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.73050E-02	0.00000E+00	0.00000E+00	0.00000E+00
23	6.67835E-13	-8.06123E-13	-5.54373E-14	1.12712E-13	2.51520E-08	5.22692E-05	-2.37361E-06	1.44581E-07
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.13700E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.03680E-17	1.91990E-05	-4.48163E-07	-1.00170E-07
26	7.58369E-12	-1.65304E-11	1.31169E-11	-2.97733E-12	4.85870E-16	3.25377E-05	-6.76633E-07	-9.74518E-08
27	2.82543E-10	-4.92921E-11	-5.62802E-11	-9.03653E-11	4.89380E-16	3.40675E-05	0.00000E+00	1.27897E-08
28	8.06710E-10	-8.15633E-10	9.46946E-11	7.50925E-11	4.45380E-16	2.89911E-05	0.00000E+00	9.68315E-09
29	1.13785E-09	-9.83684E-10	-4.60989E-10	1.34046E-10	2.03450E-15	5.92371E-05	0.00000E+00	1.91538E-08
30	1.41363E-09	-6.83332E-10	-5.65465E-10	-3.92467E-10	1.06630E-14	8.83988E-05	0.00000E+00	3.04463E-08
31	3.26752E-09	-2.56575E-10	-2.59437E-10	8.01351E-10	2.21050E-14	6.95768E-05	0.00000E+00	2.22366E-08
32	2.42128E-09	-1.04711E-09	-6.92398E-10	-1.09443E-09	6.25010E-16	5.96231E-05	0.00000E+00	1.86322E-08
33	2.81537E-09	-1.56684E-09	-1.85605E-09	-8.54581E-10	2.00250E-16	6.41035E-05	0.00000E+00	2.09423E-08
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.22900E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.26490E-17	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.63470E-16	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.80866E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.31438E+00	0.00000E+00	0.00000E+00	0.00000E+00

4	1.57316E-04	1.67165E-01	4.16726E-01	5.31208E-01	6.03707E-01
5	-1.19843E-04	2.63516E-01	4.30082E-01	5.75646E-01	6.09801E-01
6	0.00000E+00	1.16331E-01	2.49718E-01	2.12038E-01	-3.48855E-02
7	0.00000E+00	5.95880E-02	1.05020E-01	6.18475E-03	-1.52375E-01
8	0.00000E+00	3.04467E-02	4.19344E-02	-2.77168E-02	-9.43478E-02
9	0.00000E+00	1.46887E-02	1.57191E-02	-2.26292E-02	-4.31595E-02
10	0.00000E+00	8.81562E-03	7.89444E-03	-1.61363E-02	-2.35063E-02
11	0.00000E+00	5.84635E-03	4.58592E-03	-1.16101E-02	-1.42064E-02
12	0.00000E+00	4.05618E-03	2.81885E-03	-8.50505E-03	-8.97945E-03
13	0.00000E+00	3.02664E-03	1.91373E-03	-6.55670E-03	-6.19975E-03
14	0.00000E+00	2.37814E-03	1.38972E-03	-5.26785E-03	-4.55546E-03
15	0.00000E+00	1.93920E-03	1.06290E-03	-4.36175E-03	-3.51230E-03
16	0.00000E+00	1.28800E-03	6.21067E-04	-2.96999E-03	-2.07948E-03
17	0.00000E+00	8.87483E-04	3.80220E-04	-2.08277E-03	-1.28530E-03
18	0.00000E+00	6.75943E-04	2.66054E-04	-1.60258E-03	-9.04393E-04
19	0.00000E+00	5.26627E-04	1.92156E-04	-1.25806E-03	-6.55901E-04
20	0.00000E+00	4.51473E-04	1.57179E-04	-1.08303E-03	-5.37748E-04
21	0.00000E+00	4.31775E-04	1.48324E-04	-1.03691E-03	-5.07762E-04
22	0.00000E+00	4.15724E-04	1.41213E-04	-9.99281E-04	-4.83691E-04
23	1.17966E-08	3.71380E-04	1.22082E-04	-8.94978E-04	-4.18741E-04
24	0.00000E+00	3.17699E-04	9.98156E-05	-7.68126E-04	-3.42946E-04
25	2.00700E-08	2.55171E-04	7.54045E-05	-6.19330E-04	-2.59632E-04
26	3.76472E-10	1.68020E-04	4.22324E-05	-4.05667E-04	-1.50879E-04
27	0.00000E+00	1.10060E-04	2.57717E-05	-2.69679E-04	-8.99060E-05
28	0.00000E+00	7.93869E-05	1.71833E-05	-1.94719E-04	-5.98815E-05
29	0.00000E+00	5.81437E-05	1.08748E-05	-1.41402E-04	-4.00245E-05
30	0.00000E+00	4.43742E-05	8.33551E-06	-1.08538E-04	-2.91149E-05
31	0.00000E+00	3.61063E-05	5.84985E-06	-8.10818E-05	-2.04979E-05
32	0.00000E+00	2.80395E-05	3.95416E-06	-5.76965E-05	-1.37103E-05
33	0.00000E+00	2.25235E-05	2.63371E-06	-4.28023E-05	-9.67115E-06
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

35 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 31

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	1.99222E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.93721E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	3.91935E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.01569E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.43755E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	6.19868E-02	2.57946E-02	1.28904E-02	7.29446E-03	1.36089E-01	1.14512E-01	2.74246E-03	5.66932E-03
5	1.30288E-02	-5.72008E-03	-6.89169E-03	-3.31704E-04	2.28462E-01	-3.53899E-01	1.63419E-01	-4.07232E-02
6	6.45966E-04	-1.65157E-03	1.99522E-03	-1.61629E-03	1.47242E-04	-3.33249E-04	2.91679E-04	-9.77167E-05
7	4.33729E-07	-4.77712E-08	-3.60257E-08	1.15327E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	5.98352E-05	2.48549E-07	-1.85496E-06	-3.87499E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	4.09652E-07	2.09162E-08	-4.74188E-10	-1.05707E-10	1.71325E-06	-6.08002E-08	1.43472E-09	-8.37366E-10
10	9.37292E-08	-1.12838E-09	6.65887E-10	1.72320E-10	2.51419E-09	0.00000E+00	0.00000E+00	0.00000E+00
11	2.05092E-07	1.59322E-09	-1.06279E-09	-5.68413E-10	6.26297E-08	0.00000E+00	0.00000E+00	0.00000E+00
12	3.84320E-08	8.13108E-09	-2.02505E-09	-6.30716E-10	3.29836E-07	0.00000E+00	0.00000E+00	0.00000E+00
13	8.32402E-08	-1.04966E-08	3.66350E-09	7.33236E-10	7.26870E-07	0.00000E+00	0.00000E+00	0.00000E+00
14	1.36121E-06	-3.61997E-08	6.70620E-09	6.33637E-09	9.41380E-07	0.00000E+00	0.00000E+00	0.00000E+00
15	1.57207E-06	-2.92837E-08	1.77704E-09	2.83847E-09	9.91059E-07	0.00000E+00	0.00000E+00	0.00000E+00
16	3.43910E-06	-1.15128E-07	-9.99137E-09	1.03317E-08	1.19074E-04	9.59050E-06	-8.27996E-05	4.18309E-05
17	2.92204E-06	-5.52088E-08	-6.60635E-09	2.63227E-09	7.23519E-07	-1.93618E-08	-6.58298E-09	7.95818E-12
18	2.05536E-06	-7.19894E-08	2.31585E-09	4.65797E-09	4.48880E-05	-2.02281E-06	-8.05769E-07	5.12932E-07
19	2.70685E-06	-1.31105E-07	2.94697E-10	3.62686E-09	2.03880E-06	1.89508E-06	1.05186E-06	2.60325E-07
20	1.13326E-06	-9.49806E-08	2.93421E-08	1.08938E-09	1.77822E-06	-2.27416E-07	-5.24642E-08	2.27353E-09
21	9.04677E-07	-3.79232E-08	-4.41786E-10	1.78608E-09	1.19451E-06	-1.07056E-08	1.98055E-09	-1.21899E-08
22	8.65390E-08	4.94126E-08	7.62387E-08	8.92717E-08	3.15528E-07	-1.51958E-07	2.17687E-08	7.04693E-08
23	7.78175E-07	-5.74616E-08	-8.56921E-09	-2.02800E-08	3.12135E-06	-3.19425E-07	-8.17693E-10	-5.78767E-08
24	2.86199E-07	-6.00995E-09	9.83773E-11	2.30678E-09	1.97169E-06	1.95952E-06	9.17234E-07	8.51778E-08
25	1.34328E-06	-5.24744E-08	-5.69419E-10	2.96045E-09	8.70002E-06	-4.02678E-06	-1.05037E-06	9.11158E-08

26	2.08301E-06	4.97820E-08	-6.41348E-08	-1.10596E-08	1.66898E-05	-1.82099E-06	-5.30479E-07	-3.92756E-07
27	1.23518E-06	-1.18774E-07	5.74740E-08	1.35952E-08	1.69809E-05	-6.58023E-07	-2.93234E-07	-5.10683E-08
28	7.57866E-07	-1.08996E-09	6.72951E-11	1.20552E-09	1.52830E-05	-5.39453E-09	1.58937E-08	-6.65251E-10
29	3.37628E-06	-1.88806E-07	-1.32761E-08	1.84246E-07	1.33483E-05	-1.10797E-08	1.25791E-08	-3.46876E-10
30	5.02027E-06	-4.50172E-07	-3.05688E-08	4.13569E-07	1.22124E-05	-8.25580E-09	9.89519E-09	-2.07856E-09
31	4.32682E-06	-2.24836E-07	1.18854E-08	3.10892E-07	1.35166E-05	-2.74455E-10	1.06966E-08	-9.35183E-10
32	3.97546E-06	2.65309E-08	7.29893E-08	1.37212E-07	1.36521E-05	2.13826E-09	1.23279E-08	2.72227E-09
33	4.14247E-06	2.48834E-07	1.81750E-07	-6.99232E-09	2.38727E-05	2.39530E-09	2.45626E-08	-2.80872E-09
34	3.65380E-06	1.47754E-07	1.78818E-07	-1.38612E-08	2.46247E-05	1.77004E-09	2.25264E-08	-1.90034E-09
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.08148E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.12403E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	6.73173E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.86270E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	3.61133E-01	3.25812E-01	1.55759E-02	1.42150E-03	4.46441E-02	2.22626E-02	-6.47357E-03	7.10683E-03
5	1.92837E-01	-2.43736E-01	6.65323E-02	-1.72757E-02	2.84369E-01	-4.71951E-01	2.46834E-01	-6.35045E-02
6	7.58875E-05	-1.54805E-04	9.47252E-05	2.55475E-05	3.21277E-04	-6.55384E-04	4.01028E-04	1.08158E-04
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	8.82631E-07	-3.13229E-08	7.39134E-10	-4.31393E-10	7.64313E-07	-2.71240E-08	6.40052E-10	-3.73564E-10
10	2.32272E-07	-1.11473E-08	-2.26225E-10	-3.13371E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	7.74360E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	4.07813E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	8.98709E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	1.78158E-06	-1.31407E-08	-1.07668E-08	-1.68849E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	1.22535E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	5.47443E-05	5.29240E-06	-3.68724E-05	1.83428E-05	1.76208E-04	1.42935E-05	-1.23403E-04	6.23440E-05
17	1.60880E-06	-8.43825E-07	-2.94557E-07	3.73047E-07	8.96823E-08	-8.99017E-09	-2.52412E-09	7.86262E-13
18	9.54370E-05	1.00257E-06	-9.39726E-07	3.20583E-07	3.45192E-08	-9.62402E-09	3.56421E-09	-6.47006E-11
19	1.68139E-06	1.35695E-06	6.68191E-07	1.81528E-07	6.10460E-07	6.88881E-07	3.82362E-07	9.46310E-08
20	1.57207E-06	-2.18665E-07	4.04089E-08	4.05491E-09	2.00239E-06	-2.96499E-07	-7.53650E-08	3.59367E-09
21	1.00983E-06	-6.25388E-08	-9.34942E-09	-1.33674E-08	4.51101E-07	-1.24989E-08	5.65761E-10	-3.90907E-09
22	3.97782E-07	2.81364E-08	1.24449E-07	6.12742E-08	3.51255E-08	-5.68755E-08	1.05572E-08	2.20874E-08
23	4.08981E-06	-4.54219E-07	2.29373E-08	-1.51808E-08	1.62277E-07	5.41759E-08	3.25717E-08	-2.64577E-08
24	3.78044E-06	1.67083E-06	2.15360E-07	-7.23805E-07	5.32338E-07	1.15767E-06	1.53501E-06	1.41916E-06
25	1.58929E-05	-5.07873E-06	-2.55086E-07	1.21833E-06	5.17673E-06	-2.28666E-06	-1.71238E-06	-1.47175E-06
26	1.53881E-05	-1.13040E-06	-4.77342E-07	-5.10114E-07	1.93274E-05	-2.31196E-06	-6.52823E-07	-4.12793E-07
27	1.81740E-05	-3.06455E-07	-1.28840E-07	-2.34520E-08	1.46186E-05	-9.77568E-07	-4.41787E-07	-7.53443E-08
28	1.46444E-05	-4.63148E-09	1.00479E-08	-2.07428E-10	1.44498E-05	-2.41253E-09	2.07695E-08	-2.23212E-10
29	1.28135E-05	-6.06904E-09	6.44204E-09	-2.91262E-09	1.25598E-05	-3.63927E-09	1.75163E-08	-2.96611E-10
30	1.16345E-05	-7.74517E-09	1.23393E-09	-5.71351E-09	1.13430E-05	-3.62024E-09	1.59147E-08	-8.62782E-10
31	1.33888E-05	-4.26935E-09	1.27427E-08	4.75083E-09	1.04480E-05	3.16537E-10	1.57383E-08	0.00000E+00
32	1.33780E-05	-2.57412E-09	4.68146E-09	-3.40883E-09	1.13048E-05	2.74835E-10	1.61955E-08	-2.07987E-10
33	2.14071E-05	5.13998E-09	1.48765E-08	7.86433E-10	2.45797E-05	6.68054E-10	3.55940E-08	-3.45191E-10
34	2.36025E-05	2.47874E-08	1.84408E-08	-1.63702E-09	2.36118E-05	3.79771E-10	3.51747E-08	-4.32096E-10
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	7.84687E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	9.90552E-08	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.19711E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.60042E-01	0.00000E+00	0.00000E+00
4	4.77620E-05	1.18446E-04	1.30904E-04	8.85894E-05	0.00000E+00	3.13196E-01	5.23649E-02	3.51266E-03
5	8.19749E-05	1.60494E-05	-8.51771E-05	-1.20186E-05	1.00000E+00	1.75775E-02	-1.74505E-02	-1.98882E-05
6	1.35358E-05	-3.20982E-05	3.16881E-05	-1.58723E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.35220E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.62280E-17	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.92390E-17	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.36570E-17	0.00000E+00	0.00000E+00	0.00000E+00

12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.90690E-16	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.80200E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.08770E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.35620E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.11860E-16	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20840E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.05190E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.23170E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.48910E-16	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.13430E-02	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.58410E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	1.80162E-13	-2.32931E-13	-2.26887E-15	4.25906E-14	1.21710E-03	1.48296E-05	-7.24174E-07	3.19696E-08
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.62280E-17	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.92390E-17	5.65351E-06	-1.26524E-07	-2.48186E-08
27	1.66565E-12	-3.82413E-12	3.48501E-12	-1.39126E-12	3.36570E-17	9.60727E-06	-1.98866E-07	-2.60610E-08
28	8.49914E-11	-1.52702E-11	-2.03006E-11	-2.87205E-11	3.90690E-16	1.05294E-05	0.00000E+00	3.39521E-09
29	2.28571E-10	-2.31822E-10	3.51138E-11	1.12357E-11	1.80200E-15	9.25030E-06	0.00000E+00	2.89073E-09
30	3.33728E-10	-3.02922E-10	-1.24541E-10	5.76666E-11	1.08770E-14	1.91311E-05	0.00000E+00	6.00553E-09
31	4.24327E-10	-2.04735E-10	-1.69899E-10	-1.16358E-10	2.35620E-14	2.80808E-05	0.00000E+00	8.79567E-09
32	1.00271E-09	-7.52182E-11	-1.81716E-11	3.38356E-10	6.11860E-16	2.25408E-05	0.00000E+00	7.04412E-09
33	7.25629E-10	-2.93870E-10	-2.33282E-10	-3.50663E-10	1.20840E-16	1.94471E-05	0.00000E+00	6.07713E-09
34	8.54966E-10	-4.82418E-10	-5.83063E-10	-2.44662E-10	1.05190E-16	2.06843E-05	0.00000E+00	6.51262E-09
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.23170E-18	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.48910E-16	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.93606E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.33787E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.92355E-04	6.57771E-02	1.84745E-01	2.72610E-01	3.26377E-01
5	-1.08118E-04	1.16543E-01	2.28351E-01	2.56974E-01	3.17448E-01
6	0.00000E+00	7.00558E-02	1.18629E-01	1.76129E-01	9.24604E-02
7	0.00000E+00	3.69897E-02	7.81022E-02	4.56309E-02	-4.43077E-02
8	0.00000E+00	1.94367E-02	3.19285E-02	-4.65659E-03	-5.50348E-02
9	0.00000E+00	9.93089E-03	1.27510E-02	-1.11192E-02	-3.08066E-02
10	0.00000E+00	4.79128E-03	4.78042E-03	-7.98525E-03	-1.36037E-02
11	0.00000E+00	2.87544E-03	2.40143E-03	-5.51552E-03	-7.31608E-03
12	0.00000E+00	1.90696E-03	1.39525E-03	-3.91498E-03	-4.39616E-03
13	0.00000E+00	1.32307E-03	8.57874E-04	-2.84366E-03	-2.76806E-03
14	0.00000E+00	9.87233E-04	5.82529E-04	-2.18140E-03	-1.90702E-03
15	0.00000E+00	7.75693E-04	4.23127E-04	-1.74687E-03	-1.39926E-03
16	0.00000E+00	6.32523E-04	3.23700E-04	-1.44315E-03	-1.07790E-03
17	0.00000E+00	4.20133E-04	1.89248E-04	-9.79206E-04	-6.37366E-04
18	0.00000E+00	2.89485E-04	1.15936E-04	-6.84957E-04	-3.93696E-04
19	0.00000E+00	2.20489E-04	8.11750E-05	-5.26312E-04	-2.76970E-04
20	0.00000E+00	1.71779E-04	5.86635E-05	-4.12744E-04	-2.00881E-04
21	0.00000E+00	1.47263E-04	4.80071E-05	-3.55118E-04	-1.64712E-04
22	0.00000E+00	1.40841E-04	4.53084E-05	-3.39947E-04	-1.55541E-04
23	0.00000E+00	1.35602E-04	4.31416E-05	-3.27552E-04	-1.48169E-04
24	1.45643E-09	1.21141E-04	3.73106E-05	-2.93267E-04	-1.28301E-04
25	0.00000E+00	1.03632E-04	3.05204E-05	-2.51579E-04	-1.05106E-04
26	4.94682E-09	8.32345E-05	2.30760E-05	-2.02743E-04	-7.96156E-05
27	1.50872E-10	5.47385E-05	1.29617E-05	-1.32671E-04	-4.63177E-05
28	0.00000E+00	3.58950E-05	7.92501E-06	-8.81494E-05	-2.76790E-05
29	0.00000E+00	2.58888E-05	5.29329E-06	-6.36310E-05	-1.84566E-05
30	0.00000E+00	1.89366E-05	3.36152E-06	-4.61755E-05	-1.23546E-05
31	0.00000E+00	1.44578E-05	2.57943E-06	-3.54480E-05	-9.01324E-06
32	0.00000E+00	1.16560E-05	1.81388E-06	-2.64734E-05	-6.35803E-06

33	0.00000E+00	8.97342E-06	1.22991E-06	-1.88352E-05	-4.26606E-06
34	0.00000E+00	7.14988E-06	8.22124E-07	-1.39702E-05	-3.01963E-06
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

36 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 32

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.04698E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.91826E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	3.92282E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.05310E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.91227E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	7.10552E-02	2.50869E-02	1.22816E-02	3.53333E-03	1.83970E-01	1.10457E-01	9.55099E-03	1.00194E-04
5	2.45662E-02	2.40582E-04	-1.48593E-02	-1.77374E-02	1.05366E-01	-9.93493E-02	-1.01930E-03	-6.05397E-03
6	7.19584E-03	-9.86544E-03	-6.08911E-04	4.48413E-03	9.26895E-04	-1.21256E-03	-7.86252E-05	3.71376E-04
7	1.54631E-06	-8.91787E-07	1.13779E-07	-7.35934E-07	1.36763E-05	-3.66114E-05	4.82625E-05	-4.66580E-05
8	8.08775E-06	8.80098E-06	4.87308E-07	-6.93919E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	6.23111E-05	-8.81271E-06	-2.63832E-06	8.01730E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	5.16611E-07	-1.34582E-09	-6.69284E-10	-1.47538E-10	1.93874E-06	-9.45346E-08	-2.40918E-08	-1.78250E-08
11	1.06705E-07	-1.06247E-09	-4.70902E-11	-1.94692E-10	2.87981E-09	0.00000E+00	0.00000E+00	0.00000E+00
12	2.44688E-07	-1.78130E-09	-5.32228E-09	5.83415E-10	7.17361E-08	0.00000E+00	0.00000E+00	0.00000E+00
13	5.29130E-08	8.30337E-10	6.22020E-10	-2.24562E-10	3.77792E-07	0.00000E+00	0.00000E+00	0.00000E+00
14	8.62715E-08	-1.91885E-09	8.05109E-10	2.30146E-10	8.32365E-07	0.00000E+00	0.00000E+00	0.00000E+00
15	1.57849E-06	4.88701E-09	-3.68423E-09	-4.30114E-09	1.07719E-06	0.00000E+00	0.00000E+00	0.00000E+00
16	1.77577E-06	-3.06722E-08	1.70530E-09	1.20128E-09	1.13266E-06	0.00000E+00	0.00000E+00	0.00000E+00
17	3.86076E-06	-1.41056E-07	-1.02859E-09	5.54637E-09	1.41550E-04	-6.97107E-05	-1.96110E-05	2.47857E-05
18	3.29632E-06	-9.25665E-08	1.34288E-09	3.45394E-09	8.16229E-07	-2.47171E-08	-7.81209E-09	3.04541E-09
19	2.31439E-06	-7.68338E-08	6.42719E-09	4.08423E-09	5.17128E-05	-3.38259E-06	-9.57531E-07	-6.91689E-07
20	3.02935E-06	-1.51233E-07	-1.45438E-10	2.43419E-09	2.64115E-06	2.42335E-06	1.07435E-06	-1.47734E-07
21	1.25472E-06	-7.53120E-08	1.97258E-08	-1.03954E-08	1.99758E-06	-2.68232E-07	-5.66284E-08	2.41028E-09
22	1.01350E-06	-4.22814E-08	-1.59092E-09	2.27928E-10	1.38414E-06	-7.43724E-09	-1.32133E-09	-1.22042E-08
23	2.38583E-07	3.82324E-07	3.70191E-07	1.70594E-07	3.41891E-07	-1.66207E-07	5.24755E-08	7.20958E-08
24	8.41880E-07	-1.28947E-07	-8.10171E-08	-4.01506E-08	3.54228E-06	-3.68094E-07	-7.65065E-08	-1.26205E-07
25	3.21820E-07	-3.32644E-09	1.15916E-10	6.20960E-10	2.78360E-06	2.77992E-06	7.81531E-07	-1.21675E-07
26	1.50695E-06	-5.69245E-08	1.29770E-09	2.15825E-09	9.32175E-06	-4.77749E-06	-2.74020E-07	8.76933E-07
27	2.40200E-06	-6.35512E-08	-1.13662E-08	1.43051E-08	1.89416E-05	-2.77587E-06	-1.27207E-06	-7.87130E-07
28	1.32971E-06	-2.73833E-08	1.16869E-08	-1.07192E-08	1.93464E-05	-9.38267E-07	-3.38809E-07	-4.01047E-08
29	8.48517E-07	8.63328E-11	3.13190E-10	6.17856E-10	1.55030E-05	-6.07802E-09	1.01769E-08	-1.02243E-10
30	3.86384E-06	8.92323E-09	2.74393E-09	9.02071E-08	1.37879E-05	-1.35961E-08	7.44392E-09	-1.49327E-09
31	5.77251E-06	-1.93207E-07	3.88574E-08	3.06666E-07	1.11976E-05	-1.00909E-08	1.44085E-09	-1.97905E-09
32	4.99552E-06	1.86870E-08	6.26738E-08	2.13554E-07	1.30813E-05	-1.01760E-09	3.60973E-09	-1.07609E-09
33	4.70419E-06	2.08496E-07	8.43143E-08	9.73294E-08	1.31403E-05	1.90597E-09	4.57617E-09	3.84140E-09
34	4.98450E-06	4.63417E-07	1.30203E-07	-7.91294E-09	2.42145E-05	2.54610E-09	1.30005E-08	-3.24874E-09
35	4.35806E-06	3.93977E-07	8.79395E-08	-1.83262E-08	2.33865E-05	3.60660E-10	6.95085E-09	-2.14580E-09
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

37 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.88750E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.46184E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.99976E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.96360E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	5.05400E-01	3.14731E-01	1.56448E-02	-1.51558E-03	3.04886E-02	2.50113E-02	7.97595E-03	2.01186E-03
5	3.10301E-01	-2.94738E-01	-1.35207E-02	-1.30953E-03	1.12841E-02	-1.34973E-02	9.20645E-03	-7.71807E-03
6	4.81962E-04	-7.41951E-04	2.94432E-04	-2.14773E-04	1.15566E-03	-1.08105E-03	-8.64546E-04	6.97178E-04
7	1.92803E-05	-5.06543E-05	6.38004E-05	-5.59499E-05	8.16251E-05	-2.14450E-04	2.70105E-04	-2.36869E-04
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

9 THROUGH 9 SAME AS ABOVE

10	1.00251E-06	-3.84253E-08	2.04342E-09	6.26671E-09	8.64905E-07	-4.21735E-08	-1.07478E-08	-7.95206E-09
11	2.59408E-07	-2.43901E-08	-1.59453E-08	-1.67338E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	8.86951E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	4.67105E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	1.02914E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	2.04170E-06	-3.73483E-08	-2.37172E-08	1.21765E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

16	1.40043E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	6.53671E-05	-3.02175E-05	-9.26360E-06	1.06710E-05	2.09531E-04	-1.03896E-04	-2.92279E-05	3.69402E-05
18	1.56168E-06	-9.89072E-07	3.32568E-07	3.79454E-07	1.01039E-07	-1.12711E-08	-2.98991E-09	1.10347E-09
19	1.11511E-04	-1.31295E-06	-2.79233E-06	-2.43113E-06	3.79011E-08	-9.66557E-09	4.27264E-09	-2.47593E-09
20	2.15240E-06	1.68378E-06	6.90751E-07	-6.28863E-08	8.13023E-07	8.80914E-07	3.90537E-07	-5.37028E-08
21	1.75600E-06	-2.00740E-07	3.62261E-08	-4.45599E-08	2.24882E-06	-3.49918E-07	-8.10450E-08	3.74215E-09
22	1.15633E-06	-7.25606E-08	-1.51195E-08	-1.50886E-08	5.25275E-07	-1.24021E-08	-5.16511E-11	-4.74785E-09
23	4.66183E-07	6.86501E-08	1.21024E-07	-1.90963E-08	3.41494E-08	-6.04179E-08	1.90754E-08	2.62076E-08
24	4.64318E-06	-5.03258E-07	-5.61183E-08	-1.33583E-07	1.98128E-07	6.73264E-08	2.33132E-09	-5.66573E-08
25	4.71515E-06	2.00397E-06	-3.64038E-07	-6.47885E-07	1.08653E-06	2.30112E-06	2.23182E-06	8.93652E-07
26	1.77148E-05	-5.11074E-06	1.54851E-06	2.11212E-06	5.41258E-06	-3.34789E-06	-1.97558E-06	-4.07858E-07
27	1.75258E-05	-2.21801E-06	-1.59618E-06	-1.26168E-06	2.19130E-05	-3.36769E-06	-1.36278E-06	-7.13361E-07
28	2.08583E-05	-4.34079E-07	-1.49688E-07	-1.83690E-08	1.63735E-05	-1.39434E-06	-5.09677E-07	-5.89092E-08
29	1.49719E-05	-5.51803E-09	5.97215E-09	2.80436E-10	1.43610E-05	-2.67492E-09	1.33093E-08	-2.34239E-11
30	1.29976E-05	-8.58824E-09	8.21376E-10	-4.97732E-09	1.30252E-05	-4.39462E-09	1.25982E-08	-6.97383E-10
31	1.07932E-05	-1.06686E-08	-6.42940E-09	-5.95433E-09	1.01391E-05	-4.14937E-09	5.82385E-09	-8.43971E-10
32	1.31105E-05	-6.18179E-09	8.88281E-09	3.33100E-09	9.56976E-06	3.51209E-10	7.42657E-09	0.00000E+00
33	1.36897E-05	-4.20026E-09	-6.57609E-10	-4.19547E-09	9.86779E-06	2.99061E-10	5.07830E-09	-2.22597E-10
34	2.28818E-05	4.09421E-09	8.88682E-09	1.32805E-09	2.33793E-05	8.17417E-10	1.94243E-08	-3.96441E-10
35	2.32742E-05	2.37151E-08	9.26369E-09	-1.94200E-09	2.10471E-05	4.08518E-10	1.49170E-08	-5.25783E-10
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	8.06773E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	9.06158E-08	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.25069E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.61262E-01	0.00000E+00	0.00000E+00
4	6.43589E-05	1.48549E-04	1.38046E-04	6.10663E-05	0.00000E+00	3.26420E-01	4.01546E-02	3.05384E-03
5	1.19379E-04	1.41465E-04	-9.99821E-05	-2.06111E-04	1.00000E+00	4.68354E-02	-4.64989E-02	-8.30871E-05
6	8.03934E-05	-9.52046E-05	-3.02403E-05	4.68808E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	3.03841E-07	-8.82663E-07	1.37837E-06	-1.74640E-06	6.86530E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.86530E-06	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.54550E-17	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.00720E-17	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.56880E-17	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.60060E-16	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.66170E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.09460E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.45950E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.21290E-16	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.41020E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.23420E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.99400E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.60380E-16	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.41860E-02	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.63080E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27350E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	1.95967E-13	-2.63046E-13	7.16305E-15	5.35153E-14	4.54550E-17	1.66425E-05	-8.49841E-07	3.08667E-08
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.00720E-17	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.56880E-17	6.50371E-06	-1.39289E-07	-2.48608E-08
28	1.56234E-12	-3.69233E-12	3.62384E-12	-1.81043E-12	3.60060E-16	1.10533E-05	-2.26843E-07	-2.71630E-08
29	9.90562E-11	-1.78792E-11	-2.55940E-11	-3.37412E-11	1.66170E-15	1.27164E-05	0.00000E+00	3.97916E-09
30	2.56623E-10	-2.59302E-10	4.43689E-11	4.80222E-12	1.09460E-14	1.13097E-05	0.00000E+00	3.53443E-09
31	3.82523E-10	-3.56462E-10	-1.33428E-10	7.65101E-11	2.45950E-14	2.33263E-05	0.00000E+00	7.26946E-09
32	4.93627E-10	-2.36215E-10	-1.97074E-10	-1.33695E-10	6.21290E-16	3.42985E-05	0.00000E+00	1.07142E-08
33	1.18165E-09	-8.17815E-11	3.53362E-11	4.77505E-10	1.41020E-16	2.75592E-05	0.00000E+00	8.61223E-09
34	8.42497E-10	-3.20568E-10	-2.99765E-10	-4.05227E-10	1.23420E-16	2.37770E-05	0.00000E+00	7.43013E-09
35	1.00138E-09	-5.69240E-10	-6.96835E-10	-2.78301E-10	9.99400E-18	2.52224E-05	0.00000E+00	7.88146E-09
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.60380E-16	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

38 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	2.02116E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.35141E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.92152E-04	8.81107E-02	2.41991E-01	3.44626E-01	4.00166E-01
5	-2.52712E-04	1.65727E-01	3.86686E-01	4.35851E-01	4.60147E-01
6	0.00000E+00	1.37605E-01	2.01243E-01	2.83372E-01	3.22715E-01
7	0.00000E+00	7.34989E-02	1.60642E-01	1.75003E-01	3.81147E-02
8	0.00000E+00	4.52256E-02	9.14329E-02	4.17541E-02	-7.41149E-02
9	0.00000E+00	2.37643E-02	3.73798E-02	-1.01539E-02	-6.99367E-02
10	0.00000E+00	1.21424E-02	1.49289E-02	-1.49848E-02	-3.74081E-02
11	0.00000E+00	5.85813E-03	5.59790E-03	-1.01664E-02	-1.62324E-02
12	0.00000E+00	3.51565E-03	2.81254E-03	-6.91208E-03	-8.67349E-03
13	0.00000E+00	2.33162E-03	1.63429E-03	-4.87228E-03	-5.19620E-03
14	0.00000E+00	1.61764E-03	1.00500E-03	-3.52322E-03	-3.26536E-03
15	0.00000E+00	1.20706E-03	6.82588E-04	-2.69568E-03	-2.24713E-03
16	0.00000E+00	9.48413E-04	4.95887E-04	-2.15488E-03	-1.64765E-03
17	0.00000E+00	7.73390E-04	3.79424E-04	-1.77813E-03	-1.26865E-03
18	0.00000E+00	5.13678E-04	2.21917E-04	-1.20417E-03	-7.49702E-04
19	0.00000E+00	3.53941E-04	1.36011E-04	-8.41227E-04	-4.62981E-04
20	0.00000E+00	2.69588E-04	9.52689E-05	-6.45893E-04	-3.25713E-04
21	0.00000E+00	2.10027E-04	6.88774E-05	-5.06230E-04	-2.36267E-04
22	0.00000E+00	1.80056E-04	5.63832E-05	-4.35418E-04	-1.93756E-04
23	0.00000E+00	1.72201E-04	5.32186E-05	-4.16786E-04	-1.82973E-04
24	0.00000E+00	1.65798E-04	5.06774E-05	-4.01562E-04	-1.74309E-04
25	4.35132E-09	1.48112E-04	4.38400E-05	-3.59459E-04	-1.50955E-04
26	0.00000E+00	1.26707E-04	3.58737E-05	-3.08297E-04	-1.23694E-04
27	6.26584E-09	1.01763E-04	2.71390E-05	-2.48381E-04	-9.37292E-05
28	7.37140E-10	6.68793E-05	1.52763E-05	-1.62448E-04	-5.45735E-05
29	0.00000E+00	4.38829E-05	9.35312E-06	-1.07907E-04	-3.26760E-05
30	0.00000E+00	3.16491E-05	6.25297E-06	-7.78748E-05	-2.18083E-05
31	0.00000E+00	2.31334E-05	3.98112E-06	-5.64904E-05	-1.46164E-05
32	0.00000E+00	1.76664E-05	3.05661E-06	-4.33715E-05	-1.06823E-05
33	0.00000E+00	1.41683E-05	2.15263E-06	-3.23852E-05	-7.54533E-06
34	0.00000E+00	1.08525E-05	1.46228E-06	-2.30382E-05	-5.07369E-06
35	0.00000E+00	8.60702E-06	9.79551E-07	-1.70874E-05	-3.60112E-06
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

37 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 33

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.35389E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.01722E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	4.24624E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.13230E-01	0.00000E+00	0.00000E+00	0.00000E+00	7.87313E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	9.89171E-02	1.66045E-02	7.89296E-04	-9.22090E-05	6.25134E-01	1.93078E-01	1.65245E-02	-4.96976E-03
5	3.21785E-02	-1.94251E-02	-1.22444E-02	-3.53943E-03	1.05336E-01	-9.63346E-02	-7.87255E-03	1.82142E-04
6	1.30260E-02	-2.02473E-02	2.00113E-03	1.04358E-02	1.60955E-03	-2.30645E-03	9.01631E-05	7.53634E-04
7	1.67512E-03	-3.93925E-03	3.90570E-03	-2.01794E-03	3.13076E-04	-6.67905E-04	5.02039E-04	-8.97191E-05
8	4.64378E-07	-4.24645E-07	-5.73614E-07	7.52081E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	1.81648E-04	4.21790E-07	-5.84877E-06	5.41097E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	9.59257E-07	-4.25901E-07	5.77696E-07	-6.41362E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	1.30299E-06	-2.74709E-09	-1.18607E-09	-2.15367E-10	4.45825E-06	-3.02148E-07	1.87742E-08	1.58259E-08
12	2.39097E-07	-5.37099E-09	5.60393E-10	-4.50614E-11	6.40518E-09	0.00000E+00	0.00000E+00	0.00000E+00
13	5.96971E-07	-8.72718E-09	-7.83156E-09	-1.33048E-10	1.59550E-07	0.00000E+00	0.00000E+00	0.00000E+00
14	1.36514E-07	-1.55072E-09	2.16706E-09	-3.79236E-11	8.40262E-07	0.00000E+00	0.00000E+00	0.00000E+00
15	2.15499E-07	-2.80702E-09	8.47477E-10	1.22914E-10	1.85053E-06	0.00000E+00	0.00000E+00	0.00000E+00
16	3.68174E-06	-1.28887E-07	4.11901E-09	1.82646E-09	2.39219E-06	0.00000E+00	0.00000E+00	0.00000E+00
17	4.35513E-06	-8.27094E-08	2.84021E-09	2.53588E-09	2.51072E-06	0.00000E+00	0.00000E+00	0.00000E+00
18	9.33644E-06	-2.52535E-07	4.71015E-08	2.28586E-09	3.42193E-04	8.74398E-05	1.78950E-04	5.58958E-05

19	7.89212E-06	-2.52823E-07	3.92920E-09	5.11514E-09	1.82790E-06	-7.83450E-08	-8.43067E-09	2.83789E-09
20	5.63792E-06	-1.75199E-07	2.98812E-09	1.26437E-09	1.29868E-04	-1.26507E-05	-2.44086E-06	4.08254E-08
21	7.20473E-06	-4.02731E-07	-1.30491E-09	4.52237E-09	8.41975E-06	6.57395E-06	2.47570E-07	-2.65890E-06
22	2.99605E-06	-1.52531E-07	1.60898E-09	1.43881E-09	4.71638E-06	-7.23606E-07	-1.26345E-07	3.11877E-09
23	2.43001E-06	-1.11747E-07	2.19999E-09	2.66370E-09	3.54539E-06	-3.53992E-09	-3.40132E-08	-5.97212E-09
24	1.68039E-06	1.23870E-06	-2.27510E-07	-2.38205E-07	6.84687E-07	-3.04540E-07	2.58185E-07	-2.19673E-08
25	1.81704E-06	-3.58595E-07	6.40636E-08	5.70766E-08	8.65851E-06	-1.25755E-06	-5.02474E-07	-1.14034E-08
26	7.85473E-07	-7.68833E-09	1.17815E-09	1.39224E-09	1.01992E-05	5.91039E-06	-1.78307E-06	-1.84438E-06
27	3.60417E-06	-1.39005E-07	3.49292E-09	6.94517E-10	1.96460E-05	-8.96649E-06	3.38330E-06	1.30894E-06
28	5.76294E-06	-1.94744E-07	1.29440E-09	1.89717E-09	4.62566E-05	-1.01831E-05	-2.42137E-06	1.24198E-06
29	3.16363E-06	-5.14158E-08	1.87250E-09	1.45349E-09	5.04012E-05	-3.85343E-06	-1.43631E-06	-5.29757E-07
30	1.99142E-06	1.99519E-09	1.23060E-09	9.59850E-10	4.08847E-05	-1.69979E-08	1.27754E-08	-2.64383E-09
31	1.05042E-05	3.99373E-07	8.37642E-08	1.01133E-07	3.57816E-05	-3.59157E-08	5.60178E-09	-4.79873E-09
32	1.57193E-05	9.26021E-08	2.99145E-07	5.70974E-07	4.64686E-05	-2.71705E-08	-4.46424E-10	-5.63536E-09
33	1.35821E-05	5.91828E-07	2.82895E-07	3.47244E-07	3.46225E-05	-2.43074E-09	4.45197E-09	-2.62612E-09
34	1.28954E-05	1.40213E-07	-1.99476E-07	1.61807E-07	3.57229E-05	4.83449E-09	1.45864E-08	1.61018E-08
35	1.38174E-05	-2.27837E-07	-7.28959E-07	-2.70472E-08	6.38937E-05	5.53426E-09	1.55739E-08	-6.22596E-09
36	1.20010E-05	-3.38480E-07	-7.97634E-07	-7.21606E-08	6.15575E-05	-1.93477E-09	4.74233E-09	-5.26682E-09
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH	70 SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	2.68550E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.47616E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.34605E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.95858E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.81754E+00	6.07560E-01	4.61870E-02	-2.09151E-02	1.70660E-01	3.95724E-02	5.95908E-03	1.59931E-03
5	2.92678E-01	-2.79873E-01	-1.32476E-02	1.70514E-03	2.76852E-02	-1.97899E-02	-6.54173E-03	-1.63221E-03
6	6.73617E-04	-9.53162E-04	1.07133E-04	1.04143E-04	2.28587E-03	-2.69261E-03	-8.77557E-04	1.12865E-03
7	1.61434E-04	-3.24165E-04	2.02931E-04	5.03073E-06	6.83445E-04	-1.37238E-03	8.59129E-04	2.12981E-05
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	THROUGH	10 SAME AS ABOVE						
11	2.69364E-06	3.93116E-08	4.18382E-09	-7.14927E-09	1.98890E-06	-1.34793E-07	8.37551E-09	7.06019E-09
12	2.13327E-07	-2.47696E-07	5.05478E-09	1.65376E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	1.97269E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	1.03891E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	2.28801E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	4.68425E-06	-1.61793E-07	-3.41471E-09	-1.25341E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	3.10428E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	1.59309E-04	3.93566E-05	7.97552E-05	2.54730E-05	5.06837E-04	1.30319E-04	2.66705E-04	8.33062E-05
19	2.48620E-06	-5.30224E-07	4.37840E-07	-2.96148E-07	2.43198E-07	-3.45629E-08	-3.45547E-09	1.01548E-09
20	2.89229E-04	-1.66153E-05	-6.92159E-06	3.17573E-07	9.04129E-08	-8.99322E-09	5.88039E-09	-2.40713E-09
21	6.57676E-06	4.46622E-06	1.67274E-07	-1.82665E-06	2.74236E-06	2.38970E-06	8.99941E-08	-9.66539E-07
22	4.19576E-06	-3.82479E-07	-4.51024E-08	8.49471E-10	5.38462E-06	-9.45240E-07	-1.79259E-07	5.06042E-09
23	2.84472E-06	-1.94748E-07	-6.22344E-08	-9.82489E-09	1.38577E-06	-2.31267E-08	-1.32917E-08	-3.85483E-09
24	1.17368E-06	2.20020E-07	-2.15664E-08	-2.07548E-07	5.42711E-08	-1.09869E-07	9.50477E-08	-6.66874E-09
25	1.13694E-05	-1.64830E-06	-6.13424E-07	-2.26953E-08	5.75546E-07	6.12060E-08	-1.36721E-07	-3.54328E-09
26	1.41053E-05	2.18914E-06	-2.56061E-06	-9.30134E-08	5.72651E-06	8.03517E-06	2.93487E-07	-3.95160E-06
27	4.21140E-05	-6.09670E-06	5.55007E-06	-1.31996E-06	1.04944E-05	-9.45184E-06	8.62985E-07	3.83028E-06
28	4.30808E-05	-1.00279E-05	-3.66583E-06	1.32185E-06	5.34631E-05	-1.16298E-05	-2.15196E-06	1.55700E-06
29	5.51666E-05	-1.76414E-06	-6.44054E-07	-2.38733E-07	4.14545E-05	-5.72947E-06	-2.14796E-06	-7.85127E-07
30	3.93717E-05	-1.65349E-08	4.08169E-09	-2.27347E-09	3.78738E-05	-7.29144E-09	2.07312E-08	-9.01194E-10
31	3.48763E-05	-2.67202E-08	-1.09653E-08	-1.63391E-08	3.26658E-05	-1.17396E-08	1.50321E-08	-2.05759E-09
32	4.89017E-05	-3.29680E-08	-2.30245E-08	-1.14340E-08	2.84330E-05	-1.08443E-08	1.09854E-08	-2.33018E-09
33	3.47028E-05	-1.36810E-08	2.00511E-08	-5.03935E-09	2.59236E-05	1.03869E-09	1.27373E-08	0.00000E+00
34	3.60641E-05	-1.35140E-08	-6.02735E-09	-1.19919E-08	2.85246E-05	8.63428E-10	1.28538E-08	-3.52284E-10
35	5.94821E-05	1.26353E-09	1.02596E-08	6.24891E-09	6.17187E-05	2.12237E-09	3.07581E-08	-9.06716E-10
36	6.00112E-05	4.94975E-08	1.14036E-08	-5.23981E-09	5.71819E-05	1.53187E-09	2.56957E-08	-1.56401E-09
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH	70 SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	8.85087E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	7.76071E-08	0.00000E+00	0.00000E+00

2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.41074E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.64100E-01	0.00000E+00	0.00000E+00
4	2.16045E-04	1.63887E-04	1.66069E-05	6.65203E-07	0.00000E+00	3.54697E-01	1.41734E-02	1.94198E-03
5	2.60629E-04	-9.61766E-05	-1.35475E-04	-6.10102E-05	1.00000E+00	3.48462E-02	-3.45987E-02	-8.85934E-05
6	1.52493E-04	-2.07858E-04	-2.83133E-05	1.17585E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	2.91276E-05	-6.40712E-05	5.22197E-05	-1.38739E-05	5.71630E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.71630E-06	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.55970E-17	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.89340E-17	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.49380E-17	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93110E-16	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.35910E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.11030E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.74800E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.57600E-16	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.11540E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.40400E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.83210E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28190E-16	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.20380E-02	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.75150E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.42930E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.55970E-17	0.00000E+00	0.00000E+00	0.00000E+00
26	4.31933E-13	-6.29396E-13	7.58538E-14	1.47838E-13	2.89340E-17	3.97587E-05	-2.26932E-06	4.14215E-08
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.49380E-17	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93110E-16	1.66692E-05	-2.99630E-07	-4.55257E-08
29	2.15541E-12	-5.40590E-12	6.14434E-12	-4.42596E-12	1.35910E-15	2.72342E-05	-8.18433E-07	-1.20305E-07
30	2.62190E-10	-4.57517E-11	-7.61572E-11	-8.39335E-11	1.11030E-14	2.98690E-05	0.00000E+00	9.33410E-09
31	6.16447E-10	-6.03517E-10	1.25992E-10	-3.66585E-11	2.74800E-14	3.05037E-05	0.00000E+00	9.53238E-09
32	9.65944E-10	-9.50003E-10	-2.65752E-10	2.34844E-10	6.57600E-16	6.76831E-05	0.00000E+00	2.07252E-08
33	1.29797E-09	-5.92030E-10	-5.09212E-10	-3.25896E-10	3.11540E-16	9.70922E-05	0.00000E+00	2.85681E-08
34	3.20374E-09	-1.25581E-10	6.15297E-10	1.99341E-09	2.40400E-16	8.02794E-05	0.00000E+00	2.45259E-08
35	2.20315E-09	-6.54571E-10	-1.07044E-09	-7.74657E-10	9.83210E-18	7.00024E-05	0.00000E+00	2.16533E-08
36	2.67851E-09	-1.53083E-09	-1.92865E-09	-6.82112E-10	1.28190E-16	7.34039E-05	0.00000E+00	2.23211E-08
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	2.28227E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.38396E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	4.04548E-05	3.05636E-01	6.57927E-01	8.43259E-01	9.72980E-01
5	-1.57890E-04	4.95152E-01	8.90360E-01	1.15578E+00	1.09804E+00
6	0.00000E+00	4.10390E-01	6.99452E-01	9.15750E-01	7.20441E-01
7	0.00000E+00	2.97551E-01	5.93951E-01	6.65734E-01	1.85232E-01
8	0.00000E+00	2.08794E-01	4.49717E-01	2.88667E-01	-2.04699E-01
9	0.00000E+00	1.34465E-01	2.43097E-01	3.29299E-02	-3.23845E-01
10	0.00000E+00	7.06539E-02	9.94010E-02	-5.91767E-02	-2.17337E-01
11	0.00000E+00	3.61020E-02	3.97098E-02	-5.35806E-02	-1.07132E-01
12	0.00000E+00	1.74174E-02	1.48960E-02	-3.28490E-02	-4.49170E-02
13	0.00000E+00	1.04527E-02	7.48715E-03	-2.16456E-02	-2.36879E-02
14	0.00000E+00	6.93248E-03	4.35280E-03	-1.50421E-02	-1.41064E-02
15	0.00000E+00	4.80957E-03	2.67818E-03	-1.07764E-02	-8.82943E-03
16	0.00000E+00	3.58882E-03	1.81991E-03	-8.20040E-03	-6.06315E-03
17	0.00000E+00	2.81984E-03	1.32280E-03	-6.53091E-03	-4.43952E-03
18	0.00000E+00	2.29938E-03	1.01263E-03	-5.37550E-03	-3.41564E-03
19	0.00000E+00	1.52724E-03	5.92965E-04	-3.62554E-03	-2.01671E-03
20	0.00000E+00	1.05231E-03	3.63929E-04	-2.52559E-03	-1.24529E-03
21	0.00000E+00	8.01551E-04	2.55230E-04	-1.93591E-03	-8.76364E-04
22	0.00000E+00	6.24456E-04	1.84774E-04	-1.51546E-03	-6.36135E-04

23	0.00000E+00	5.35339E-04	1.51389E-04	-1.30260E-03	-5.21963E-04
24	0.00000E+00	5.11983E-04	1.42934E-04	-1.24661E-03	-4.92994E-04
25	0.00000E+00	4.92943E-04	1.36138E-04	-1.20088E-03	-4.69737E-04
26	8.67657E-09	4.40367E-04	1.17863E-04	-1.07455E-03	-4.07008E-04
27	0.00000E+00	3.76720E-04	9.65520E-05	-9.21106E-04	-3.33787E-04
28	1.17132E-08	3.02572E-04	7.31608E-05	-7.41675E-04	-2.53276E-04
29	-3.81124E-09	1.98554E-04	4.14283E-05	-4.84468E-04	-1.47863E-04
30	0.00000E+00	1.30444E-04	2.54901E-05	-3.21717E-04	-8.89632E-05
31	0.00000E+00	9.40727E-05	1.70742E-05	-2.32047E-04	-5.95873E-05
32	0.00000E+00	6.86457E-05	1.09539E-05	-1.68174E-04	-4.01354E-05
33	0.00000E+00	5.24509E-05	8.42539E-06	-1.29143E-04	-2.94543E-05
34	0.00000E+00	4.15676E-05	5.95988E-06	-9.63941E-05	-2.08909E-05
35	0.00000E+00	3.14682E-05	4.07199E-06	-6.85567E-05	-1.41277E-05
36	0.00000E+00	2.46914E-05	2.75270E-06	-5.08333E-05	-1.00966E-05
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 34

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	2.85086E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.14575E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	4.89919E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.06496E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.30291E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	9.70058E-02	1.08932E-02	4.95683E-04	-1.91194E-04	3.99268E-01	4.89716E-02	6.81577E-03	1.49622E-03
5	1.19607E-02	-1.12642E-02	-7.37725E-04	8.78791E-05	1.61166E-01	-1.56314E-01	-1.25420E-02	5.87645E-03
6	1.16194E-05	-2.00403E-06	-5.43155E-07	4.88453E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	5.81949E-07	-7.72094E-07	-1.57316E-07	5.92884E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	3.97823E-07	-7.00758E-07	2.36738E-07	3.45198E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	1.47455E-07	-3.50667E-07	3.69710E-07	-2.17597E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	1.41017E-04	-3.43763E-07	-4.23803E-06	-3.53609E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	5.58065E-07	3.64273E-09	-3.11771E-08	2.94315E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	9.82746E-07	-1.05177E-08	8.84493E-10	-2.58331E-10	3.14168E-06	-1.85161E-07	9.80265E-09	2.29954E-09
13	1.50392E-07	-3.13966E-09	-4.21853E-10	-7.03460E-11	1.43110E-09	0.00000E+00	0.00000E+00	0.00000E+00
14	4.00969E-07	-1.31877E-08	-3.89612E-09	1.74573E-10	3.56492E-08	0.00000E+00	0.00000E+00	0.00000E+00
15	1.09802E-07	-2.21818E-09	8.20535E-10	-2.99890E-11	1.87743E-07	0.00000E+00	0.00000E+00	0.00000E+00
16	1.67067E-07	-7.89005E-10	9.44673E-10	-7.37924E-11	4.13461E-07	0.00000E+00	0.00000E+00	0.00000E+00
17	2.57006E-06	2.79824E-09	9.11749E-09	-4.83196E-09	5.34403E-07	0.00000E+00	0.00000E+00	0.00000E+00
18	3.02400E-06	-2.53626E-07	-1.28934E-08	1.12776E-08	5.60749E-07	0.00000E+00	0.00000E+00	0.00000E+00
19	6.90033E-06	-2.55394E-07	-4.31882E-08	3.18965E-09	1.27474E-03	5.67055E-04	-1.50003E-04	-6.49084E-05
20	5.51226E-06	-2.35470E-07	5.48340E-11	3.00279E-09	6.70402E-07	-7.19725E-08	-5.28679E-09	-5.66097E-10
21	4.13604E-06	-1.74320E-07	-1.03076E-09	2.59943E-09	9.57367E-05	-1.76795E-05	-2.67224E-06	-1.26311E-07
22	4.96824E-06	-3.38173E-07	1.04596E-09	3.48295E-09	9.49210E-06	2.59855E-06	-2.88683E-06	-4.86462E-08
23	2.09771E-06	-1.43213E-07	-2.47604E-09	2.18619E-09	3.01919E-06	-6.59933E-07	-9.03292E-08	-4.18731E-09
24	1.69680E-06	-9.71504E-08	9.96758E-13	1.81247E-09	2.65454E-06	-3.25536E-07	-1.92699E-07	-3.76133E-08
25	2.35279E-06	1.68739E-07	3.83557E-08	9.02561E-09	2.08063E-07	1.08599E-07	5.24803E-08	-5.17217E-08
26	1.15149E-06	-6.46404E-08	6.56427E-10	1.38088E-09	5.99172E-06	-1.56481E-06	-1.92957E-07	-1.32588E-08
27	5.41863E-07	-1.10623E-08	7.16522E-10	2.21060E-09	1.07383E-05	-1.43667E-06	-1.86728E-06	7.65537E-07
28	2.47269E-06	-1.24252E-07	-8.98829E-10	1.34871E-09	1.23387E-05	-1.82217E-06	3.13289E-07	-9.68226E-07
29	3.99309E-06	-1.85602E-07	-1.16762E-09	8.55319E-10	3.34727E-05	-7.97905E-06	3.31804E-07	-7.31657E-07
30	2.17304E-06	-5.29095E-08	6.13372E-10	1.30293E-09	4.66071E-05	-5.46259E-06	-8.86024E-07	3.11487E-07
31	1.24522E-06	-5.84465E-10	1.07328E-09	8.25420E-10	4.56437E-05	-1.45462E-08	1.08726E-08	-2.48850E-09
32	1.03948E-05	2.56908E-06	1.45986E-06	8.79477E-08	4.00228E-05	-2.95789E-08	5.40063E-09	-4.85298E-09
33	1.36262E-05	-7.40155E-07	2.44750E-07	2.83285E-07	3.52820E-05	-2.38191E-08	1.68727E-09	-3.83873E-09
34	1.20891E-05	-2.51639E-07	1.38985E-07	2.08909E-07	3.36648E-05	-3.12624E-09	5.77265E-09	-1.14146E-09
35	1.02596E-05	-2.43593E-07	4.53415E-07	2.96384E-07	3.57577E-05	-8.38850E-09	1.01794E-09	-6.14450E-09
36	1.01668E-05	-2.20696E-07	8.94158E-07	4.56705E-07	6.95104E-05	-8.60130E-10	1.59110E-08	-1.42456E-10
37	8.96735E-06	-2.74696E-07	7.29051E-07	3.98048E-07	6.67629E-05	-8.87498E-09	6.98285E-09	-3.97002E-09
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	3.02793E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.01757E-04	0.00000E+00	0.00000E+00	0.00000E+00

2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	5.98392E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.67737E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.64116E-01	5.47808E-02	4.38025E-03	7.85161E-04	3.43291E-01	4.53554E-02	6.87644E-03	1.74019E-03
5	5.25829E-01	-5.11801E-01	-4.18505E-02	2.14016E-02	2.50504E-02	-2.34696E-02	-1.31861E-03	-2.88234E-04
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 11	SAME AS ABOVE							
12	2.09110E-06	-1.07011E-07	5.29846E-09	1.16108E-09	1.40156E-06	-8.26038E-08	4.37313E-09	1.02586E-09
13	1.76943E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	4.40770E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	2.32127E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	5.11207E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	1.87660E-06	-1.47044E-07	-5.37361E-09	-3.93586E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	6.93315E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	5.75816E-04	2.54244E-04	-6.73903E-05	-2.91536E-05	1.89915E-03	8.45129E-04	-2.23562E-04	-9.67384E-05
20	8.70538E-07	-1.09232E-07	-5.76825E-09	2.21366E-09	1.70589E-07	-3.16028E-08	-2.29780E-09	-2.38611E-10
21	2.20677E-04	-3.76085E-05	-7.57590E-06	-2.17246E-07	7.00702E-08	-1.04217E-08	-3.96351E-09	-2.09268E-10
22	6.84648E-06	1.74054E-06	-1.98618E-06	-3.38258E-08	3.37961E-06	9.44601E-07	-1.04939E-06	-1.76834E-08
23	2.78598E-06	-4.32400E-07	-1.10648E-07	-1.89933E-08	3.78927E-06	-8.64539E-07	-1.24984E-07	-4.60983E-09
24	1.89102E-06	-3.48718E-07	-1.19858E-07	-1.12252E-08	1.16329E-06	-1.61778E-07	-8.91892E-08	-1.86026E-08
25	7.12401E-07	-4.41058E-08	-5.45048E-08	2.87617E-08	3.90670E-08	4.98447E-08	2.13857E-08	-2.07928E-08
26	7.93189E-06	-1.97639E-06	-2.16424E-07	-4.08736E-08	4.65409E-07	-1.33817E-07	-1.38256E-08	8.48595E-10
27	1.18418E-05	-2.50528E-06	-1.02344E-06	3.14281E-07	8.75857E-06	-1.97744E-07	-2.58870E-06	1.17397E-06
28	3.38365E-05	-1.99693E-06	-1.60974E-06	-4.94582E-07	3.97779E-06	-1.77972E-06	1.33719E-06	-1.40943E-06
29	3.18017E-05	-7.93308E-06	1.00415E-06	-4.07479E-07	3.87808E-05	-8.71225E-06	2.71416E-07	-1.05862E-06
30	5.59492E-05	-2.48317E-06	-4.01906E-07	1.38841E-07	3.36936E-05	-8.12453E-06	-1.32016E-06	4.75532E-07
31	4.43823E-05	-1.53343E-08	1.95285E-09	-3.41842E-09	4.25433E-05	-6.54153E-09	1.94691E-08	-1.09543E-09
32	3.95107E-05	-2.81758E-08	-1.44218E-08	-1.41155E-08	3.67352E-05	-1.00938E-08	1.49699E-08	-1.82723E-09
33	3.41293E-05	-3.69717E-08	-1.51329E-08	-9.14625E-09	3.26244E-05	-8.98295E-09	1.36398E-08	-1.06027E-09
34	3.25850E-05	-1.56279E-09	7.11493E-09	-7.35990E-09	2.97565E-05	1.52674E-10	1.46497E-08	0.00000E+00
35	3.49677E-05	-1.37603E-08	-6.76901E-09	-1.14491E-08	3.26470E-05	-3.97726E-11	1.57436E-08	7.42850E-10
36	6.34565E-05	-9.15070E-09	9.63418E-09	9.94161E-09	7.03863E-05	1.33290E-10	3.48465E-08	4.71872E-10
37	6.42786E-05	2.95835E-08	8.61657E-09	-4.79948E-09	6.57589E-05	-1.18386E-09	3.01231E-08	-1.88592E-09
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.18262E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	6.27145E-08	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.76170E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.68719E-01	0.00000E+00	0.00000E+00
4	3.05661E-04	1.19632E-04	9.83369E-06	2.38373E-07	0.00000E+00	3.63935E-01	8.51556E-03	3.37409E-04
5	1.24940E-04	-1.10240E-04	-1.41121E-05	-6.19106E-07	1.00000E+00	9.39579E-03	-9.33245E-03	-4.50737E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.91040E-06	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8	SAME AS ABOVE							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.92280E-17	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.73030E-17	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.41550E-17	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.78850E-16	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.30350E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.32350E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.61780E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.01480E-16	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.33480E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22340E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.10300E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.19410E-17	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.56380E-02	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.06520E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.89760E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.92280E-17	0.00000E+00	0.00000E+00	0.00000E+00

26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.73030E-17	0.00000E+00	0.00000E+00	0.00000E+00
27	2.45145E-13	-4.15584E-13	1.37504E-13	9.08669E-14	5.41550E-17	2.77690E-05	-2.04702E-06	-1.37171E-08
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.78850E-16	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.30350E-16	1.42031E-05	-2.10951E-07	-9.28296E-08
30	1.60162E-13	-4.42175E-13	6.25181E-13	-6.77108E-13	1.32350E-14	1.40318E-05	-8.10515E-07	-4.16821E-08
31	2.39746E-10	-2.93717E-11	-6.09334E-11	-3.35768E-11	3.61780E-14	4.22199E-06	0.00000E+00	1.31938E-09
32	4.46785E-10	-3.69217E-10	5.49452E-11	-5.31423E-11	8.01480E-16	2.62837E-06	0.00000E+00	8.21369E-10
33	7.60705E-10	-8.34413E-10	-1.22212E-10	8.25158E-11	1.33480E-16	3.80695E-05	0.00000E+00	5.40541E-09
34	1.14637E-09	-4.30741E-10	-5.03184E-10	-1.41780E-10	1.22340E-16	8.07545E-05	0.00000E+00	1.17805E-08
35	2.46705E-09	-1.31319E-09	-1.21443E-09	-7.66783E-10	9.10300E-18	6.12299E-05	0.00000E+00	8.40405E-09
36	2.05617E-09	-4.27411E-10	-1.02012E-09	-1.57080E-11	6.19410E-17	5.26288E-05	0.00000E+00	6.98078E-09
37	2.47721E-09	-1.36006E-09	-1.91092E-09	-4.97941E-10	0.00000E+00	5.78119E-05	0.00000E+00	7.99891E-09
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	3.04713E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.43965E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	3.69741E-06	5.13866E-01	1.06309E+00	1.34247E+00	1.30711E+00
5	-1.85735E-05	6.02208E-01	1.17814E+00	1.13768E+00	2.81888E-01
6	0.00000E+00	4.04213E-01	8.37449E-01	4.51705E-01	-5.22894E-01
7	0.00000E+00	3.66179E-01	7.26147E-01	2.97927E-01	-6.29095E-01
8	0.00000E+00	3.13258E-01	5.81023E-01	1.25536E-01	-6.92129E-01
9	0.00000E+00	2.42117E-01	4.02460E-01	-4.09257E-02	-6.61270E-01
10	0.00000E+00	1.55928E-01	2.17601E-01	-1.32741E-01	-4.73811E-01
11	0.00000E+00	8.19317E-02	8.90247E-02	-1.22937E-01	-2.40176E-01
12	0.00000E+00	4.18640E-02	3.55928E-02	-7.90497E-02	-1.07119E-01
13	0.00000E+00	2.01974E-02	1.33708E-02	-4.30049E-02	-4.28253E-02
14	0.00000E+00	1.21213E-02	6.73114E-03	-2.71522E-02	-2.21667E-02
15	0.00000E+00	8.03854E-03	3.91913E-03	-1.84846E-02	-1.30912E-02
16	0.00000E+00	5.57717E-03	2.41571E-03	-1.30616E-02	-8.15171E-03
17	0.00000E+00	4.16159E-03	1.64442E-03	-9.85654E-03	-5.58375E-03
18	0.00000E+00	3.26983E-03	1.19733E-03	-7.80562E-03	-4.08356E-03
19	0.00000E+00	2.66633E-03	9.18079E-04	-6.39971E-03	-3.14060E-03
20	0.00000E+00	1.77102E-03	5.39754E-04	-4.28904E-03	-1.85564E-03
21	0.00000E+00	1.22029E-03	3.32826E-04	-2.97440E-03	-1.14837E-03
22	0.00000E+00	9.29463E-04	2.34372E-04	-2.27398E-03	-8.10368E-04
23	0.00000E+00	7.24107E-04	1.70410E-04	-1.77661E-03	-5.90155E-04
24	0.00000E+00	6.20791E-04	1.40045E-04	-1.52546E-03	-4.85419E-04
25	0.00000E+00	5.93705E-04	1.32338E-04	-1.45947E-03	-4.58820E-04
26	0.00000E+00	5.71628E-04	1.26145E-04	-1.40564E-03	-4.37466E-04
27	-3.48033E-09	5.10665E-04	1.09475E-04	-1.25694E-03	-3.79826E-04
28	0.00000E+00	4.36859E-04	8.99985E-05	-1.07659E-03	-3.12475E-04
29	-6.81054E-09	3.50874E-04	6.85681E-05	-8.65967E-04	-2.38261E-04
30	1.82997E-09	2.29655E-04	3.95177E-05	-5.64515E-04	-1.40501E-04
31	0.00000E+00	1.51232E-04	2.46096E-05	-3.74708E-04	-8.57197E-05
32	0.00000E+00	1.09027E-04	1.66419E-05	-2.70004E-04	-5.81522E-05
33	0.00000E+00	7.93340E-05	1.09521E-05	-1.95419E-04	-3.98609E-05
34	0.00000E+00	6.06788E-05	8.45444E-06	-1.50117E-04	-2.95307E-05
35	0.00000E+00	4.70973E-05	6.06890E-06	-1.11942E-04	-2.11934E-05
36	0.00000E+00	3.49201E-05	4.22631E-06	-7.95566E-05	-1.45555E-05
37	0.00000E+00	2.68602E-05	2.92849E-06	-5.89859E-05	-1.06239E-05
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 35

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	4.07859E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.34193E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	6.19238E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.22745E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.47885E-01	0.00000E+00	0.00000E+00	0.00000E+00

4	1.12981E-01	1.00560E-02	3.88811E-04	7.37778E-05	5.18546E-01	5.18716E-02	3.56444E-03	7.20305E-04
5	6.63422E-03	-6.30004E-03	-4.09776E-04	1.89227E-04	2.98768E-02	-2.64657E-02	-3.04429E-03	-5.23155E-04
6	2.12015E-07	-4.20165E-07	3.11051E-07	-1.10138E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 9	SAME AS ABOVE							
10	2.17370E-08	-1.50462E-10	-2.94392E-11	-1.87450E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	4.17792E-05	-3.97428E-07	-1.24409E-06	-1.03418E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	6.68702E-08	-5.46867E-10	1.06730E-10	-6.32640E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	2.17761E-07	-4.81016E-09	2.68863E-10	-6.11580E-12	8.07193E-07	-5.31963E-08	-1.20800E-08	-9.52274E-10
14	3.43716E-08	-8.88531E-10	-2.33296E-10	-1.41716E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	7.81868E-08	-2.48175E-09	-3.08993E-12	-1.15831E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	2.82557E-08	4.54538E-10	1.17338E-10	-3.06548E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	5.15327E-08	-2.03323E-09	8.42405E-11	1.00690E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	9.76557E-07	-2.84657E-08	-4.03749E-09	5.26399E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	4.34477E-08	-5.18681E-09	9.64060E-09	-9.32201E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	1.56103E-06	-1.44954E-07	6.97908E-09	1.10885E-09	3.19226E-04	-1.89197E-04	6.67902E-05	1.02969E-05
21	1.23697E-06	-7.55378E-08	-1.55449E-10	-2.51076E-10	8.74536E-08	-2.31064E-08	-2.18542E-09	-4.04275E-10
22	1.04653E-06	-4.67844E-08	8.90484E-10	-4.28891E-10	2.19164E-05	-6.31584E-06	-6.46136E-07	-1.16909E-07
23	1.11301E-06	-1.02770E-07	-2.24294E-09	-3.45769E-10	3.36165E-06	-4.76166E-07	-7.65870E-08	8.39199E-08
24	4.71563E-07	-4.62501E-08	-4.00454E-10	-1.52491E-10	6.58236E-07	-2.17432E-07	-3.21081E-08	-7.59311E-09
25	3.83067E-07	-3.02020E-08	8.59132E-10	2.29526E-12	6.34288E-07	-2.26052E-07	-3.08558E-08	-5.95462E-09
26	9.33066E-07	1.51081E-07	4.25422E-08	9.95772E-09	5.61356E-08	-9.76731E-09	-1.62106E-08	9.59757E-09
27	2.65530E-07	-2.27787E-08	4.89761E-11	5.63350E-10	1.34456E-06	-4.92793E-07	-6.36211E-08	-1.30571E-08
28	1.17538E-07	-2.21418E-09	1.81816E-09	5.52247E-11	2.60558E-06	-9.66421E-07	-1.23450E-07	-2.27542E-08
29	5.32408E-07	-3.81714E-08	-1.45288E-10	-2.51657E-10	3.25073E-06	-8.90056E-07	-3.14325E-07	-8.59308E-08
30	8.74641E-07	-6.01762E-08	-8.80747E-11	-1.18206E-10	8.48670E-06	-2.68684E-06	-6.32026E-07	2.64339E-08
31	4.64865E-07	-1.63676E-08	1.31347E-09	1.28835E-10	1.79372E-05	-1.45083E-06	-9.02126E-08	-9.78974E-08
32	2.50300E-07	7.36013E-10	1.15526E-09	2.51010E-10	2.12738E-05	-4.17133E-09	5.44684E-09	-5.40723E-10
33	1.00079E-05	2.50671E-06	-3.21536E-07	2.00930E-07	1.86103E-05	-7.95668E-09	3.34654E-09	-1.22254E-09
34	3.75219E-06	1.14130E-08	4.11368E-07	5.92056E-08	1.63440E-05	-6.80573E-09	2.30689E-09	-2.07122E-10
35	3.30689E-06	9.69039E-08	3.74276E-07	1.17556E-07	1.50292E-05	-1.28084E-09	2.36170E-09	3.90022E-10
36	3.58048E-06	4.43518E-07	2.86900E-07	5.48279E-08	1.59956E-05	-2.32638E-09	1.14056E-09	-3.30372E-09
37	4.30711E-06	9.08337E-07	2.74498E-07	-4.78843E-09	3.19717E-05	-2.22671E-09	6.10938E-09	-6.03078E-10
38	3.76280E-06	8.27301E-07	2.31563E-07	1.68409E-08	3.08247E-05	-3.32359E-09	3.80821E-09	-1.01161E-09
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.73394E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.45881E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.48933E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.01660E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	7.10044E-01	6.52227E-02	2.60315E-03	3.47149E-04	4.75545E-01	4.99530E-02	4.43342E-03	1.04487E-03
5	3.12465E-02	-2.89325E-02	-2.09177E-03	-3.27763E-04	2.43419E-02	-2.23325E-02	-1.77715E-03	-3.09147E-04
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 12	SAME AS ABOVE							
13	5.39176E-07	-3.98884E-08	-5.75940E-09	-2.25541E-10	3.60103E-07	-2.37318E-08	-5.38910E-09	-4.24826E-10
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15 THROUGH 17	SAME AS ABOVE							
18	2.75330E-07	-4.82330E-08	-2.84218E-09	-3.16490E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	1.44031E-04	-8.51124E-05	2.99871E-05	4.62325E-06	4.75769E-04	-2.81976E-04	9.95430E-05	1.53463E-05
21	1.36915E-07	-5.22409E-09	2.41026E-09	-6.06487E-09	3.86729E-08	-1.01555E-08	-9.53204E-10	-1.71342E-10
22	5.07501E-05	-1.43710E-05	-1.44119E-06	-2.39534E-07	1.64605E-08	-4.84063E-09	-4.94247E-10	-9.25178E-11
23	2.35892E-06	-3.41714E-07	-5.44055E-08	5.70121E-08	1.22204E-06	-1.72969E-07	-2.76711E-08	3.06816E-08
24	6.17400E-07	-2.01780E-07	-2.07532E-08	-4.68220E-09	8.66475E-07	-2.83990E-07	-4.06419E-08	-7.50488E-09
25	4.24518E-07	-1.69454E-07	-2.25114E-08	-1.24788E-08	2.90364E-07	-1.06421E-07	-1.48643E-08	-2.56301E-09
26	1.48931E-07	-6.58160E-08	-2.97459E-08	-8.79390E-09	2.50431E-08	-4.35737E-09	-7.23181E-09	4.28164E-09
27	1.80118E-06	-6.47717E-07	-8.89418E-08	-1.20371E-08	1.02891E-07	-3.77044E-08	-3.17718E-09	-2.17914E-09
28	2.77086E-06	-1.02601E-06	-1.28086E-07	-1.94766E-08	2.24461E-06	-8.22858E-07	-1.08125E-07	-2.48723E-08
29	9.55631E-06	-2.23401E-06	-1.02886E-06	-2.99337E-07	8.83143E-07	-3.42311E-07	-3.63316E-08	-6.00207E-09
30	9.00891E-06	-2.06488E-06	-4.14732E-07	-1.81249E-08	9.65828E-06	-3.23460E-06	-8.38759E-07	5.71236E-08

31	2.43082E-05	-6.61174E-07	-4.33533E-08	-4.50371E-08	1.03522E-05	-2.15852E-06	-1.37803E-07	-1.45545E-07
32	2.07706E-05	-4.55528E-09	1.34888E-09	-1.01272E-09	1.99752E-05	-1.94215E-09	9.37653E-09	-2.63458E-10
33	1.84677E-05	-9.82215E-09	-4.46634E-09	-2.79559E-09	1.72300E-05	-2.84435E-09	7.56356E-09	-4.11896E-10
34	1.58780E-05	-1.13610E-08	-3.88867E-09	-2.57235E-09	1.52957E-05	-2.50707E-09	6.84733E-09	2.66565E-10
35	1.44413E-05	1.66576E-09	3.58773E-09	2.79614E-09	1.39602E-05	2.11679E-14	6.92024E-09	0.00000E+00
36	1.56402E-05	-4.17193E-09	-2.73820E-09	-3.77766E-09	1.52478E-05	-3.91069E-10	7.14898E-09	-5.83002E-11
37	2.91930E-05	-4.85875E-09	5.54241E-09	3.64597E-09	3.30041E-05	-2.22139E-10	1.65714E-08	9.01013E-10
38	2.97384E-05	5.92545E-09	3.12970E-09	-1.75167E-09	3.08685E-05	-2.88456E-10	1.45475E-08	-8.94102E-10
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.75538E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.96396E-08	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.10508E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.72084E-01	0.00000E+00	0.00000E+00
4	3.37642E-04	1.27285E-04	8.06972E-06	-4.77459E-07	0.00000E+00	3.67663E-01	8.01937E-03	3.73733E-05
5	7.03907E-05	-6.27255E-05	-7.42776E-06	-2.08918E-07	1.00000E+00	4.76371E-03	-4.73303E-03	-3.09201E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.57880E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.15490E-17	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.80730E-17	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.94920E-17	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.20610E-17	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.16830E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.81450E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.24300E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.13020E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.41150E-17	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.48420E-17	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04040E-17	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93840E-17	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.39240E-01	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.53620E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.76270E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.15490E-17	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.80730E-17	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.94920E-17	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.20610E-17	6.21899E-06	-6.70101E-07	-2.03891E-08
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.16830E-16	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.81450E-14	3.75449E-06	-4.56345E-07	-2.70043E-08
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.24300E-14	3.21303E-06	-2.66067E-07	-3.11887E-08
32	8.06923E-11	-9.20976E-12	-1.69738E-11	5.85351E-12	1.13020E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	1.20471E-10	-7.35504E-11	-1.40360E-11	1.55190E-13	6.41150E-17	0.00000E+00	0.00000E+00	0.00000E+00
34	2.04062E-10	-2.12641E-10	-4.64615E-11	-4.01016E-11	8.48420E-17	1.27712E-05	0.00000E+00	1.29154E-09
35	3.71228E-10	-1.58906E-10	-2.83012E-10	4.83662E-11	1.04040E-17	2.59192E-05	0.00000E+00	2.61953E-09
36	8.18534E-10	-3.13205E-10	-4.93365E-10	-4.15080E-10	2.93840E-17	1.99694E-05	0.00000E+00	2.08189E-09
37	6.79131E-10	-2.89216E-10	-6.29489E-10	-9.62045E-11	0.00000E+00	1.70816E-05	0.00000E+00	1.81981E-09
38	8.64785E-10	-4.46761E-10	-8.45938E-10	-1.26934E-10	0.00000E+00	1.86580E-05	0.00000E+00	1.95596E-09
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	4.45804E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.48616E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.94767E-07	5.33509E-01	1.11076E+00	1.40455E+00	1.36705E+00
5	-2.46084E-07	5.04102E-01	9.90295E-01	7.32065E-01	-1.96647E-01
6	0.00000E+00	2.50006E-01	4.03987E-01	-7.34306E-02	-7.01670E-01
7	0.00000E+00	1.90952E-01	2.72180E-01	-1.50460E-01	-5.82227E-01
8	0.00000E+00	1.72990E-01	2.36031E-01	-1.61133E-01	-5.31872E-01

9	0.00000E+00	1.47986E-01	1.88880E-01	-1.66706E-01	-4.54618E-01
10	0.00000E+00	1.14377E-01	1.30872E-01	-1.59633E-01	-3.42933E-01
11	0.00000E+00	7.36609E-02	7.08052E-02	-1.26543E-01	-2.03415E-01
12	0.00000E+00	3.87070E-02	2.90084E-02	-7.83654E-02	-9.04657E-02
13	0.00000E+00	1.97776E-02	1.16245E-02	-4.36622E-02	-3.79641E-02
14	0.00000E+00	9.54137E-03	4.38359E-03	-2.21509E-02	-1.47164E-02
15	0.00000E+00	5.72614E-03	2.21575E-03	-1.35932E-02	-7.53321E-03
16	0.00000E+00	3.79760E-03	1.29550E-03	-9.12158E-03	-4.43314E-03
17	0.00000E+00	2.63475E-03	8.02341E-04	-6.38116E-03	-2.75858E-03
18	0.00000E+00	1.96598E-03	5.48722E-04	-4.78608E-03	-1.89202E-03
19	0.00000E+00	1.54474E-03	4.01361E-04	-3.77411E-03	-1.38676E-03
20	0.00000E+00	1.25957E-03	3.09066E-04	-3.08527E-03	-1.06935E-03
21	0.00000E+00	8.36622E-04	1.83576E-04	-2.05777E-03	-6.36635E-04
22	0.00000E+00	5.76483E-04	1.14541E-04	-1.42209E-03	-3.97913E-04
23	0.00000E+00	4.39096E-04	8.14908E-05	-1.08507E-03	-2.83366E-04
24	0.00000E+00	3.42090E-04	5.98808E-05	-8.46425E-04	-2.08376E-04
25	0.00000E+00	2.93275E-04	4.95703E-05	-7.26147E-04	-1.72562E-04
26	0.00000E+00	2.80479E-04	4.69443E-05	-6.94630E-04	-1.63447E-04
27	0.00000E+00	2.70046E-04	4.48351E-05	-6.68836E-04	-1.56112E-04
28	-1.72284E-09	2.41248E-04	3.91320E-05	-5.97801E-04	-1.36287E-04
29	0.00000E+00	2.06382E-04	3.24450E-05	-5.11685E-04	-1.13034E-04
30	2.86242E-09	1.65765E-04	2.50335E-05	-4.11244E-04	-8.72416E-05
31	-5.52649E-09	1.08202E-04	1.48470E-05	-2.67905E-04	-5.30125E-05
32	0.00000E+00	7.14459E-05	9.52895E-06	-1.77551E-04	-3.32481E-05
33	0.00000E+00	5.14841E-05	6.61135E-06	-1.27829E-04	-2.31288E-05
34	0.00000E+00	3.73573E-05	4.57518E-06	-9.25148E-05	-1.63977E-05
35	0.00000E+00	2.86104E-05	3.54697E-06	-7.10321E-05	-1.23862E-05
36	0.00000E+00	2.17960E-05	2.60101E-06	-5.29547E-05	-9.15711E-06
37	0.00000E+00	1.58536E-05	1.86318E-06	-3.76107E-05	-6.46219E-06
38	0.00000E+00	1.19779E-05	1.35810E-06	-2.78666E-05	-4.86607E-06
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 36

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	6.42976E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.99151E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	9.28897E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.40958E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.06070E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.26822E-01	1.30283E-02	3.73113E-04	-1.23752E-03	1.01504E+00	8.21397E-02	2.80220E-03	3.13094E-04
5	5.68463E-03	-5.21762E-03	-2.80410E-04	-7.45421E-05	2.84108E-02	-2.73786E-02	-9.74160E-04	-5.90969E-05
6	3.72909E-06	-7.92622E-08	1.09755E-07	-6.72078E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	1.70869E-09	-5.25705E-11	-1.01960E-12	-6.88205E-16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9 THROUGH 10 SAME AS ABOVE								
11	5.23924E-09	-7.08738E-11	-3.74669E-12	-3.51712E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	9.80163E-06	-1.49273E-07	-2.90273E-07	-3.36095E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	1.64294E-08	-2.46979E-10	-4.16432E-11	-1.03463E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	5.00351E-08	-1.54092E-09	3.42286E-11	5.67041E-13	1.86755E-07	-2.36622E-08	-1.04188E-09	-8.38354E-11
15	8.05663E-09	-3.04312E-10	-2.84455E-11	1.19237E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	1.78389E-08	-7.67874E-10	-1.28352E-11	-3.44058E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	1.13516E-08	-5.73178E-10	-2.75471E-11	2.51300E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	9.24482E-09	3.61056E-10	2.05313E-10	-3.55958E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	2.55548E-07	-5.90634E-09	2.36433E-09	-4.75622E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	1.25267E-07	1.24676E-09	4.94385E-10	-2.65520E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	5.80393E-07	-3.83030E-08	-1.90289E-09	-5.18227E-10	6.16976E-05	-7.60318E-06	-4.30861E-06	-2.32645E-06
22	2.83648E-07	-2.38604E-08	-3.66516E-10	-5.16864E-11	4.64206E-08	-7.43378E-09	-1.11288E-09	-4.09678E-10
23	2.71815E-07	-2.54896E-08	-2.20084E-09	1.56620E-10	7.33388E-06	-2.00579E-06	-2.76421E-07	-6.17590E-08
24	2.56101E-07	-3.22567E-08	-1.44488E-09	-2.58572E-10	6.40565E-06	-1.13011E-07	-1.88710E-08	-6.12447E-08
25	1.11187E-07	-1.41064E-08	-6.62191E-10	-2.05589E-10	5.50167E-06	-7.18450E-08	-1.32442E-08	-1.90917E-09
26	9.43504E-08	-2.91995E-09	7.02929E-09	5.98208E-09	7.79880E-07	-6.88860E-08	-1.04041E-08	-4.26217E-09

27	3.79670E-07	4.77221E-08	-4.21585E-08	-5.81957E-08	1.43551E-08	-6.45952E-09	-9.76506E-10	-4.10577E-10
28	6.60405E-08	-6.22964E-09	3.49021E-11	-8.63362E-11	3.19374E-07	-1.51293E-07	-2.96351E-08	-1.96918E-08
29	2.96813E-08	7.38122E-10	4.77649E-10	-1.54807E-11	6.18606E-07	-3.01420E-07	-6.23258E-08	-4.20752E-08
30	1.14677E-07	-1.13449E-08	-6.57441E-10	-2.64055E-10	8.23060E-07	-3.90004E-07	-1.00957E-07	-4.79572E-08
31	1.91109E-07	-1.80776E-08	-5.25707E-10	-1.76830E-10	2.22107E-06	-1.01274E-06	-3.28887E-07	-2.38845E-07
32	9.75812E-08	-3.80635E-09	2.21752E-10	-7.92841E-11	7.66998E-06	-4.58200E-07	-1.49279E-07	-1.52307E-07
33	5.03102E-08	1.27027E-09	4.05663E-10	3.08282E-12	9.99395E-06	-1.13173E-09	2.73653E-09	-8.43506E-11
34	4.91758E-06	1.06518E-06	3.33925E-07	-1.86142E-09	8.73338E-06	-1.97938E-09	2.04813E-09	2.15660E-11
35	1.62507E-06	3.79172E-07	1.13276E-07	1.48423E-08	7.66986E-06	-2.00680E-09	1.26600E-09	6.85837E-11
36	1.43373E-06	3.77568E-07	1.31178E-07	1.88537E-08	7.05459E-06	-5.91366E-10	9.54006E-10	-2.51963E-10
37	1.61935E-06	4.59769E-07	1.63091E-07	2.66258E-08	7.46409E-06	-3.61507E-10	4.15928E-10	-7.50801E-10
38	2.01945E-06	6.29047E-07	2.40683E-07	4.97221E-08	1.49741E-05	-8.20653E-10	2.92796E-09	-2.97274E-10
39	1.82103E-06	5.82056E-07	2.21600E-07	8.60491E-08	1.44766E-05	-1.09335E-09	1.81861E-09	-4.25652E-10
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	5.60893E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.76966E-04	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.19285E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.08691E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.13373E+00	9.60372E-02	2.46801E-03	1.32045E-04	7.69569E-01	7.11261E-02	3.36420E-03	5.95675E-04
5	3.71707E-02	-3.60140E-02	-1.11487E-03	-4.31089E-05	2.59708E-02	-2.50244E-02	-8.81955E-04	-6.86281E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 13 SAME AS ABOVE								
14	1.27457E-07	-1.56849E-08	-1.55882E-09	-3.62567E-10	8.33147E-08	-1.05561E-08	-4.64799E-10	-3.74004E-11
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16 THROUGH 18 SAME AS ABOVE								
19	6.24266E-08	-1.56460E-08	-1.35031E-09	-2.17729E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	2.78596E-05	-3.45956E-06	-1.93970E-06	-1.04576E-06	9.19531E-05	-1.13316E-05	-6.42149E-06	-3.46732E-06
22	3.99643E-08	-1.49144E-08	-5.83351E-09	8.82863E-10	2.91899E-08	-3.26220E-09	-4.73204E-10	-1.62262E-10
23	1.16826E-05	-4.54613E-06	-6.12167E-07	-1.46628E-07	1.75483E-06	-1.50719E-09	-1.75724E-10	-7.36147E-12
24	7.16198E-07	-8.29086E-08	-1.40637E-08	-4.21100E-08	4.52118E-06	-4.07023E-08	-6.58550E-09	-2.22610E-08
25	1.41650E-07	-6.29908E-08	-1.00679E-08	-1.30876E-09	4.32741E-06	-8.95228E-08	-1.39222E-08	-2.49513E-09
26	1.01219E-07	-4.85745E-08	-9.49669E-09	-5.69807E-09	5.54243E-07	-3.23386E-08	-4.77400E-09	-1.94661E-09
27	3.15101E-08	-2.92359E-08	-8.15612E-09	3.74004E-09	6.40407E-09	-2.88170E-09	-4.35636E-10	-1.83166E-10
28	4.26944E-07	-2.00956E-07	-3.87731E-08	-2.48337E-08	2.42788E-08	-1.10528E-08	-1.70414E-09	-8.01840E-10
29	6.56438E-07	-3.24569E-07	-7.19668E-08	-5.05179E-08	5.34291E-07	-2.49548E-07	-4.26717E-08	-2.50322E-08
30	2.54038E-06	-1.09104E-06	-2.82496E-07	-1.03472E-07	2.08116E-07	-1.09612E-07	-2.66447E-08	-2.20064E-08
31	2.93083E-06	-7.51884E-07	-2.36106E-07	-1.73432E-07	2.37104E-06	-1.24646E-06	-4.07627E-07	-2.88809E-07
32	1.11139E-05	-2.08845E-07	-6.86350E-08	-6.93084E-08	3.75501E-06	-6.81312E-07	-2.23333E-07	-2.25858E-07
33	9.77580E-06	-1.23463E-09	8.57699E-10	-2.87928E-10	9.41118E-06	-5.24343E-10	4.51729E-09	-6.64043E-11
34	8.68920E-06	-3.06456E-09	-1.02626E-09	-3.86426E-10	8.11343E-06	-7.28327E-10	3.77591E-09	2.21132E-11
35	7.46948E-06	-3.33123E-09	-1.48061E-09	-6.20549E-10	7.20383E-06	-8.04355E-10	3.14712E-09	1.52628E-10
36	8.22268E-06	9.44478E-11	1.32812E-09	2.73705E-09	6.57410E-06	1.44421E-15	3.26883E-09	0.00000E+00
37	1.84392E-05	-1.07984E-09	-9.38117E-10	-9.50113E-10	7.15922E-06	-6.64209E-11	3.49144E-09	6.76075E-11
38	1.45592E-05	-1.71788E-09	2.66702E-09	3.32600E-10	1.55393E-05	-1.79563E-10	7.59071E-09	1.71295E-10
39	1.39986E-05	1.24567E-09	1.37753E-09	-7.10561E-10	1.45402E-05	8.61799E-11	7.13534E-09	-2.04946E-10
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	2.64388E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	7.05138E-08	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.32340E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.73766E-01	0.00000E+00	0.00000E+00
4	3.45354E-04	1.40573E-04	1.05516E-05	4.80686E-07	0.00000E+00	3.68488E-01	8.86990E-03	4.29787E-05
5	7.26936E-05	-6.70558E-05	-5.72570E-06	4.92442E-07	1.00000E+00	4.43874E-03	-4.41004E-03	-2.86219E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8 SAME AS ABOVE								
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.64570E-06	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.59700E-17	0.00000E+00	0.00000E+00	0.00000E+00
					3.96940E-17	0.00000E+00	0.00000E+00	0.00000E+00

11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.38090E-17	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.33820E-17	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.04650E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.57650E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.81110E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.58750E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.38350E-17	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.84870E-17	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.84860E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.34810E-17	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.07850E-01	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.11600E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.12400E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.59700E-17	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.96940E-17	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.38090E-17	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.33820E-17	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.04650E-16	1.38976E-06	-2.18137E-07	-1.12767E-08
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.57650E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.81110E-14	8.37832E-07	-1.50599E-07	-9.66534E-09
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.58750E-15	7.84583E-07	-1.38801E-07	-9.86560E-09
33	2.63455E-11	-5.72749E-12	-7.52679E-12	9.40533E-12	5.38350E-17	0.00000E+00	0.00000E+00	0.00000E+00
34	3.72179E-11	-1.91752E-11	-3.07688E-12	-9.21131E-12	7.84870E-17	0.00000E+00	0.00000E+00	0.00000E+00
35	5.96415E-11	-4.92251E-11	-4.66587E-11	-2.50796E-12	6.84860E-18	3.39554E-06	0.00000E+00	1.05716E-10
36	1.29407E-10	-7.33586E-11	-1.53731E-10	-3.12557E-11	1.34810E-17	6.54099E-06	0.00000E+00	2.04402E-10
37	2.84925E-10	-5.03084E-11	-2.49199E-10	-9.75169E-11	0.00000E+00	4.62416E-06	0.00000E+00	1.44502E-10
38	2.51569E-10	-1.01352E-10	-2.81721E-10	-3.79576E-11	0.00000E+00	3.61097E-06	0.00000E+00	1.12846E-10
39	3.18748E-10	-1.47754E-10	-3.98839E-10	-5.44362E-11	0.00000E+00	4.15006E-06	0.00000E+00	1.30404E-10
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	6.62543E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.50814E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.32409E-07	5.07977E-01	1.06355E+00	1.35334E+00	1.34588E+00
5	-2.94760E-07	5.16989E-01	1.01816E+00	7.43924E-01	-2.22493E-01
6	0.00000E+00	2.20871E-01	3.32300E-01	-1.26358E-01	-6.43024E-01
7	0.00000E+00	1.18094E-01	1.31372E-01	-1.71772E-01	-3.50065E-01
8	0.00000E+00	9.02025E-02	8.85509E-02	-1.52263E-01	-2.52783E-01
9	0.00000E+00	8.17145E-02	7.68060E-02	-1.43479E-01	-2.23397E-01
10	0.00000E+00	6.99104E-02	6.14823E-02	-1.29181E-01	-1.83287E-01
11	0.00000E+00	5.40307E-02	4.26272E-02	-1.06711E-01	-1.31379E-01
12	0.00000E+00	3.47966E-02	2.30944E-02	-7.40227E-02	-7.39306E-02
13	0.00000E+00	1.82846E-02	9.48939E-03	-4.15435E-02	-3.14804E-02
14	0.00000E+00	9.34266E-03	3.82089E-03	-2.20351E-02	-1.29411E-02
15	0.00000E+00	4.50716E-03	1.45229E-03	-1.08725E-02	-4.98137E-03
16	0.00000E+00	2.70489E-03	7.40162E-04	-6.59164E-03	-2.55369E-03
17	0.00000E+00	1.79392E-03	4.36399E-04	-4.39537E-03	-1.51020E-03
18	0.00000E+00	1.24457E-03	2.72877E-04	-3.06119E-03	-9.46373E-04
19	0.00000E+00	9.28673E-04	1.88320E-04	-2.28964E-03	-6.53999E-04
20	0.00000E+00	7.29700E-04	1.38965E-04	-1.80201E-03	-4.83043E-04
21	0.00000E+00	5.95011E-04	1.07882E-04	-1.47111E-03	-3.75253E-04
22	0.00000E+00	3.95216E-04	6.53210E-05	-9.79009E-04	-2.27451E-04
23	0.00000E+00	2.72318E-04	4.16416E-05	-6.75482E-04	-1.45104E-04
24	0.00000E+00	2.07415E-04	3.01631E-05	-5.14876E-04	-1.05152E-04
25	0.00000E+00	1.61593E-04	2.25694E-05	-4.01361E-04	-7.87076E-05
26	0.00000E+00	1.38538E-04	1.89117E-05	-3.44183E-04	-6.59626E-05
27	0.00000E+00	1.32491E-04	1.79746E-05	-3.29194E-04	-6.26980E-05
28	0.00000E+00	1.27564E-04	1.72202E-05	-3.16962E-04	-6.00666E-05

29	-1.30774E-09	1.13962E-04	1.51704E-05	-2.83214E-04	-5.29207E-05
30	0.00000E+00	9.74929E-05	1.27490E-05	-2.42334E-04	-4.44794E-05
31	-1.01718E-09	7.83062E-05	1.00309E-05	-1.94690E-04	-3.50012E-05
32	-6.63799E-10	5.10517E-05	6.24278E-06	-1.26742E-04	-2.21491E-05
33	0.00000E+00	3.37499E-05	4.15138E-06	-8.39459E-05	-1.44909E-05
34	0.00000E+00	2.43105E-05	2.97888E-06	-6.04062E-05	-1.04421E-05
35	0.00000E+00	1.76187E-05	2.16922E-06	-4.37336E-05	-7.62245E-06
36	0.00000E+00	1.35029E-05	1.70134E-06	-3.35486E-05	-5.93901E-06
37	0.00000E+00	1.01868E-05	1.28991E-06	-2.49973E-05	-4.51858E-06
38	0.00000E+00	7.33091E-06	9.45930E-07	-1.77554E-05	-3.30375E-06
39	0.00000E+00	5.48751E-06	7.23857E-07	-1.31363E-05	-2.54026E-06
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

41 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 37

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	1.15550E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.16611E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	1.73019E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.30452E-01	0.00000E+00	0.00000E+00	0.00000E+00	9.07445E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.15423E-01	8.00357E-03	3.75633E-04	5.19267E-06	8.67790E-01	0.00000E+00	0.00000E+00	0.00000E+00
5	7.70395E-03	-8.07597E-03	-2.57460E-04	1.23705E-03	4.16729E-02	-4.08795E-02	1.11891E-03	3.66182E-05
6	4.11780E-08	-1.00643E-07	1.07095E-07	-6.54682E-08	0.00000E+00	0.00000E+00	-7.80718E-04	9.27312E-05
7	1.91456E-06	-2.79812E-09	-7.59231E-10	6.31067E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

9 THROUGH 11 SAME AS ABOVE

12	5.04842E-09	6.35773E-10	1.35790E-11	5.52464E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	2.47969E-06	-8.28795E-08	-7.38615E-08	-9.55327E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	5.14820E-09	-1.03574E-10	-2.24507E-11	-2.05489E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	1.31633E-08	-7.23792E-10	-1.77820E-12	-1.34968E-12	5.03695E-08	-9.53971E-09	-6.25236E-10	-8.52488E-11
16	2.16375E-09	-1.38916E-10	-4.81010E-12	-1.00046E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	4.81265E-09	-3.50802E-10	-8.23965E-12	-3.06668E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	3.23004E-09	-2.48080E-10	-7.97682E-12	-7.38102E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	4.08194E-09	3.43822E-10	1.39704E-10	2.81593E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	9.35794E-08	2.15177E-09	2.23899E-09	-1.70463E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	3.29714E-08	1.32555E-09	4.29551E-10	-2.11411E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	1.48760E-07	-1.50475E-08	-9.18732E-10	-3.15999E-10	2.02713E-05	-6.67569E-06	-1.63733E-06	-6.60703E-07
23	7.98302E-08	-9.00328E-09	-1.38609E-10	-6.60594E-11	1.09184E-08	-3.36675E-09	-1.17392E-09	-6.64663E-10
24	7.69237E-08	-1.03847E-08	-3.50207E-10	-9.90972E-11	1.91893E-06	-7.76629E-07	-1.83843E-07	-1.17787E-07
25	7.29121E-08	-1.20934E-08	-6.74414E-10	-2.46583E-10	1.51960E-06	-1.11793E-08	9.61222E-09	2.96229E-08
26	3.35957E-08	-4.99704E-09	-2.34711E-10	-1.34859E-10	1.14502E-06	-3.04537E-08	-9.86320E-09	-7.89222E-09
27	3.47258E-08	4.91807E-09	-2.05198E-09	-7.61475E-09	1.73434E-07	-2.92711E-08	-1.24873E-08	-1.02484E-08
28	1.20885E-07	-1.07519E-07	-5.45443E-08	2.87378E-08	4.15652E-09	-2.83753E-09	-1.27938E-09	-1.05026E-09
29	2.22621E-08	-1.46928E-09	2.62112E-10	-4.61216E-11	9.35399E-08	-6.57814E-08	-3.11760E-08	-2.44366E-08
30	1.08751E-08	1.38584E-09	5.68180E-10	3.91590E-11	1.83573E-07	-1.23517E-07	-5.09879E-08	-3.38823E-08
31	2.91280E-08	-3.44187E-09	2.33162E-10	1.60768E-10	2.43297E-07	-1.73612E-07	-8.13814E-08	-6.23104E-08
32	4.92013E-08	-6.21498E-09	-3.46897E-11	-5.88348E-11	7.75668E-07	-4.16966E-07	-1.96500E-07	-1.39139E-07
33	2.33653E-08	-4.56950E-10	4.80322E-10	1.59369E-10	4.64507E-06	-1.65941E-07	-8.00724E-08	-4.20921E-08
34	1.09350E-08	1.29844E-09	5.28721E-10	1.62177E-10	6.36315E-06	-3.47178E-10	1.85930E-09	1.28740E-10
35	3.13119E-06	1.09273E-06	4.62066E-07	1.53226E-07	5.55664E-06	-7.33333E-10	1.18678E-09	-1.36745E-10
36	1.02956E-06	3.96226E-07	1.75410E-07	8.36134E-08	4.87677E-06	-7.89905E-10	7.63551E-10	1.38003E-10
37	9.10689E-07	3.85379E-07	1.90060E-07	9.30967E-08	4.48924E-06	-2.25648E-10	6.08117E-10	-7.36859E-11
38	1.02835E-06	4.72950E-07	2.48307E-07	1.32869E-07	4.73292E-06	-7.35021E-11	3.55086E-10	-7.53376E-10
39	1.28407E-06	6.43648E-07	3.65222E-07	2.13792E-07	9.52329E-06	-3.41903E-10	1.92131E-09	-1.86511E-10
40	1.12987E-06	6.00900E-07	3.58513E-07	2.32790E-07	9.21497E-06	-4.29442E-10	1.20980E-09	-1.55074E-10
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

42 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.06323E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.30483E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.16517E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.49665E-01	0.00000E+00	0.00000E+00	0.00000E+00

4	1.12003E+00	7.59091E-02	7.01045E-04	-1.20850E-04	8.10121E-01	5.83129E-02	2.07790E-03	3.08839E-04
5	5.34889E-02	-5.22703E-02	-1.23331E-03	5.47046E-05	3.85507E-02	-3.75371E-02	-9.55715E-04	-6.34913E-06
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 14	SAME AS ABOVE							
15	3.46361E-08	-7.05927E-09	-5.09388E-10	-7.42440E-11	2.24707E-08	-4.25583E-09	-2.78929E-10	-3.80310E-11
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17 THROUGH 19	SAME AS ABOVE							
20	1.70378E-08	-6.18381E-09	-7.29363E-10	-1.25233E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	9.14569E-06	-3.01563E-06	-7.37977E-07	-2.97773E-07	3.02117E-05	-9.94990E-06	-2.44079E-06	-9.84930E-07
23	1.10213E-08	-7.11240E-09	-2.03050E-09	-9.77139E-10	6.60935E-09	-1.48163E-09	-5.11831E-10	-2.89526E-10
24	3.33759E-06	-1.75489E-06	-3.98835E-07	-2.47205E-07	3.61963E-07	-6.23191E-10	-2.00807E-10	-1.63469E-10
25	2.85284E-07	-9.74688E-09	6.33426E-09	2.01860E-08	1.00439E-06	-3.95896E-09	3.33397E-09	1.05944E-08
26	3.96257E-08	-2.65829E-08	-8.72478E-09	-7.04966E-09	9.07733E-07	-3.87487E-08	-1.51422E-08	-1.27039E-08
27	3.03919E-08	-2.00115E-08	-1.00607E-08	-7.52050E-09	1.20016E-07	-1.35080E-08	-5.64086E-09	-4.62043E-09
28	7.47356E-09	-1.04201E-08	1.71220E-09	2.70299E-09	1.85430E-09	-1.26587E-09	-5.70754E-10	-4.68539E-10
29	1.24538E-07	-8.71332E-08	-4.04465E-08	-3.16592E-08	7.04589E-09	-4.85317E-09	-2.21018E-09	-1.79807E-09
30	1.95892E-07	-1.29357E-07	-5.04974E-08	-3.11381E-08	1.56013E-07	-1.09421E-07	-5.13008E-08	-4.06374E-08
31	8.08112E-07	-4.95718E-07	-2.33402E-07	-1.82261E-07	6.11740E-08	-4.54160E-08	-2.06213E-08	-1.47547E-08
32	1.39463E-06	-3.05537E-07	-1.41464E-07	-9.84782E-08	7.22386E-07	-5.18910E-07	-2.46304E-07	-1.77551E-07
33	6.98626E-06	-7.56380E-08	-3.68214E-08	-1.92018E-08	2.03492E-06	-2.46754E-07	-1.20088E-07	-6.23849E-08
34	6.23138E-06	-3.52087E-10	7.36010E-10	8.39895E-11	6.00218E-06	-1.53725E-10	2.95095E-09	5.79512E-11
35	5.53619E-06	-1.21503E-09	-5.09110E-10	-3.00713E-10	5.17288E-06	-2.77454E-10	2.36927E-09	-4.75176E-11
36	4.75594E-06	-1.26162E-09	-8.97964E-10	-1.73817E-10	4.59098E-06	-3.36381E-10	1.94953E-09	6.62227E-11
37	4.62210E-06	-7.30139E-10	-6.70967E-10	-1.75494E-10	4.19167E-06	0.00000E+00	2.08798E-09	0.00000E+00
38	6.95414E-06	-3.51888E-10	-2.22014E-10	1.03478E-10	4.55665E-06	-5.08607E-11	2.19303E-09	1.35606E-11
39	8.90579E-06	-4.63695E-10	1.32981E-09	-2.52013E-10	9.90551E-06	-1.18525E-10	4.76699E-09	3.03281E-11
40	8.92339E-06	3.58330E-10	9.23211E-10	-3.73408E-10	9.27179E-06	6.19556E-11	4.65242E-09	1.57999E-10
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	4.40246E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	9.95369E-08	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.44985E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	3.95919E-04	1.07615E-04	6.96307E-06	1.43660E-07	0.00000E+00	3.71721E-01	0.00000E+00	0.00000E+00
5	8.67249E-05	-7.81231E-05	-8.22763E-06	-4.73474E-07	1.00000E+00	5.27872E-03	6.50536E-03	2.75279E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-5.24441E-03	-3.41863E-05
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8	SAME AS ABOVE							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.78550E-06	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.79710E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.08350E-17	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.63650E-16	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.86880E-17	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.03730E-16	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.59020E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28910E-13	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.57990E-15	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.76770E-17	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.19630E-16	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.81810E-18	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.53040E-18	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.43350E-01	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.39500E-08	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.81250E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.79710E-16	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.08350E-17	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.63650E-16	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.86880E-17	0.00000E+00	0.00000E+00	0.00000E+00
					1.03730E-16	0.00000E+00	0.00000E+00	0.00000E+00

30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.59020E-14	3.66640E-07	-8.95766E-08	-7.83593E-09
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28910E-13	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.57990E-15	2.19941E-07	-6.22790E-08	-6.41101E-09
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.76770E-17	2.30871E-07	-5.69013E-08	-6.12167E-09
34	1.07418E-11	-5.56859E-12	-1.07966E-11	-3.92170E-12	1.19630E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	1.49958E-11	-2.80688E-12	-1.59175E-13	-2.55224E-12	1.81810E-18	0.00000E+00	0.00000E+00	0.00000E+00
36	2.66423E-11	-1.77075E-11	-2.96590E-11	-1.89673E-12	5.53040E-18	2.16893E-06	0.00000E+00	6.75247E-11
37	6.46972E-11	-2.79913E-11	-9.83524E-11	-9.14064E-12	0.00000E+00	4.17811E-06	0.00000E+00	1.30563E-10
38	1.40304E-10	-9.45934E-12	-1.46406E-10	-9.54424E-11	0.00000E+00	2.95364E-06	0.00000E+00	9.23017E-11
39	1.25874E-10	-4.20980E-11	-1.73337E-10	-2.31919E-11	0.00000E+00	2.30654E-06	0.00000E+00	7.20776E-11
40	1.63022E-10	-5.80330E-11	-2.48974E-10	-2.15226E-11	0.00000E+00	2.64833E-06	0.00000E+00	8.26780E-11
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

42 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.09610E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.52888E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.21061E-07	7.32831E-01	1.51737E+00	1.74422E+00	1.36460E+00
5	-2.32399E-07	7.20462E-01	1.35703E+00	7.64322E-01	-6.53721E-01
6	0.00000E+00	3.07665E-01	4.28055E-01	-2.53612E-01	-8.98274E-01
7	0.00000E+00	1.41084E-01	1.35590E-01	-2.39932E-01	-3.83951E-01
8	0.00000E+00	7.54374E-02	5.37168E-02	-1.55764E-01	-1.68778E-01
9	0.00000E+00	5.76186E-02	3.62547E-02	-1.24523E-01	-1.16844E-01
10	0.00000E+00	5.21982E-02	3.14620E-02	-1.14271E-01	-1.02118E-01
11	0.00000E+00	4.46545E-02	2.52092E-02	-9.94537E-02	-8.26028E-02
12	0.00000E+00	3.45130E-02	1.75095E-02	-7.86747E-02	-5.81240E-02
13	0.00000E+00	2.22272E-02	9.52294E-03	-5.20653E-02	-3.20949E-02
14	0.00000E+00	1.16791E-02	3.94564E-03	-2.80563E-02	-1.34932E-02
15	0.00000E+00	5.96755E-03	1.60968E-03	-1.45479E-02	-5.55204E-03
16	0.00000E+00	2.87906E-03	6.24989E-04	-7.08184E-03	-2.16712E-03
17	0.00000E+00	1.72779E-03	3.25503E-04	-4.26759E-03	-1.13140E-03
18	0.00000E+00	1.14587E-03	1.96025E-04	-2.83635E-03	-6.82194E-04
19	0.00000E+00	7.94971E-04	1.25483E-04	-1.97078E-03	-4.37103E-04
20	0.00000E+00	5.93208E-04	8.84983E-05	-1.47197E-03	-3.08428E-04
21	0.00000E+00	4.66100E-04	6.66402E-05	-1.15726E-03	-2.32339E-04
22	0.00000E+00	3.80069E-04	5.26924E-05	-9.44070E-04	-1.83754E-04
23	0.00000E+00	2.52454E-04	3.32490E-05	-6.27469E-04	-1.15995E-04
24	0.00000E+00	1.73950E-04	2.21351E-05	-4.32517E-04	-7.72403E-05
25	0.00000E+00	1.32491E-04	1.65923E-05	-3.29497E-04	-5.79036E-05
26	0.00000E+00	1.03224E-04	1.28286E-05	-2.56731E-04	-4.47709E-05
27	0.00000E+00	8.84918E-05	1.09784E-05	-2.20094E-04	-3.83155E-05
28	0.00000E+00	8.46295E-05	1.04992E-05	-2.10494E-04	-3.66430E-05
29	0.00000E+00	8.14847E-05	1.01103E-05	-2.02658E-04	-3.52858E-05
30	-1.39883E-09	7.27923E-05	9.04525E-06	-1.81050E-04	-3.15679E-05
31	0.00000E+00	6.22739E-05	7.76811E-06	-1.54875E-04	-2.71107E-05
32	-1.25383E-09	5.00177E-05	6.29917E-06	-1.24385E-04	-2.19818E-05
33	-1.25904E-09	3.25853E-05	4.18762E-06	-8.09148E-05	-1.47393E-05
34	0.00000E+00	2.15585E-05	2.92118E-06	-5.35634E-05	-1.01896E-05
35	0.00000E+00	1.55223E-05	2.18921E-06	-3.85197E-05	-7.64577E-06
36	0.00000E+00	1.12453E-05	1.65414E-06	-2.78791E-05	-5.80008E-06
37	0.00000E+00	8.62114E-06	1.33258E-06	-2.13708E-05	-4.64320E-06
38	0.00000E+00	6.46522E-06	1.04123E-06	-1.59131E-05	-3.63540E-06
39	0.00000E+00	4.62293E-06	7.84771E-07	-1.12966E-05	-2.74366E-06
40	0.00000E+00	3.44054E-06	6.17653E-07	-8.34385E-06	-2.14056E-06
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

42 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 38

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	1.97491E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.45234E-02	0.00000E+00	0.00000E+00	0.00000E+00

2	3.02833E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.38904E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.65884E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.13106E-01	1.04673E-02	5.57729E-04	1.16676E-05	1.59867E+00	1.05035E-01	2.00621E-03	1.01443E-04
5	3.47189E-03	-3.21222E-03	-2.54610E-04	-5.32746E-06	2.79894E-02	-2.77372E-02	-1.00604E-04	1.58464E-04
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 7	SAME AS ABOVE						
8	1.77045E-07	-2.26420E-09	-2.27358E-11	1.43053E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	THROUGH 12	SAME AS ABOVE						
13	2.10420E-09	-1.14496E-10	-1.91043E-12	-2.33602E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	1.61404E-07	-7.81668E-09	-4.89489E-09	-1.34214E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	4.22185E-10	-2.70589E-11	-2.46303E-12	-4.06168E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	8.72983E-10	-7.70273E-11	-1.55864E-12	-2.47988E-14	3.69232E-09	-1.21152E-09	-1.43371E-10	-2.59088E-11
17	1.51028E-10	-1.71800E-11	-6.79400E-13	-8.86658E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	3.35870E-10	-4.29671E-11	-1.92359E-12	-5.01741E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	2.19945E-10	-2.96464E-11	-1.68812E-12	-2.89089E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	6.70748E-10	9.58903E-11	3.30528E-11	-4.43197E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	1.28399E-08	1.26017E-09	5.68297E-10	1.83302E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	2.23817E-09	4.53126E-10	1.46957E-10	2.47469E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	9.13413E-09	-1.42660E-09	-1.07455E-10	-1.38016E-10	1.76846E-06	-1.03420E-06	-5.50717E-07	-4.27178E-07
24	6.73583E-09	-8.24507E-10	3.11250E-11	-1.84172E-11	4.23012E-10	-4.15574E-10	-1.31023E-10	2.06795E-11
25	6.54091E-09	-9.54181E-10	-5.96687E-12	-4.81120E-11	1.26098E-07	-8.49760E-08	-3.71795E-08	-3.17227E-08
26	6.34424E-09	-1.14976E-09	-1.30462E-10	-1.77811E-10	5.02470E-08	8.28484E-10	1.15298E-08	4.40218E-08
27	3.42758E-09	-1.78744E-10	1.86871E-10	9.36708E-11	3.66634E-09	-2.91273E-09	-1.66455E-09	-1.05615E-09
28	4.37679E-09	-9.54020E-10	-1.13365E-09	1.49350E-09	4.10501E-09	-3.08257E-09	-1.91993E-09	-9.24607E-10
29	5.30548E-09	-7.91651E-09	8.78630E-09	-4.33231E-09	3.90034E-10	-3.05508E-10	-2.04007E-10	-1.03917E-10
30	2.71758E-09	2.29616E-10	2.00542E-10	6.61726E-11	8.98765E-09	-7.00967E-09	-4.96047E-09	-2.39103E-09
31	1.85917E-09	5.96066E-10	2.84031E-10	1.21983E-10	1.75812E-08	-1.33178E-08	-8.55555E-09	-3.02381E-09
32	3.01211E-09	1.38980E-10	3.19757E-10	1.52090E-10	2.34392E-08	-1.83750E-08	-1.28482E-08	-6.12300E-09
33	4.44292E-09	-2.74599E-10	2.17179E-10	1.28037E-10	9.93103E-08	-4.29147E-08	-3.08309E-08	-1.43830E-08
34	2.50856E-09	3.85482E-10	3.27218E-10	1.85941E-10	9.58597E-07	-1.80587E-08	-1.50072E-08	-5.71851E-09
35	5.72041E-08	4.67822E-10	2.82691E-10	1.70988E-10	1.34615E-06	-5.28326E-11	3.53693E-10	-2.71915E-11
36	6.62159E-07	3.91487E-07	2.50226E-07	1.60033E-07	1.17518E-06	-6.09861E-11	2.78813E-10	-4.30321E-12
37	2.17324E-07	1.44492E-07	1.02755E-07	7.71825E-08	1.03099E-06	-1.01458E-10	1.29882E-10	-1.39449E-11
38	1.92527E-07	1.37531E-07	1.04186E-07	7.93194E-08	9.49483E-07	-2.77375E-11	1.33652E-10	-1.11132E-11
39	2.18854E-07	1.68140E-07	1.37409E-07	1.14141E-07	9.99211E-07	8.01785E-11	2.54152E-10	5.06308E-11
40	2.70242E-07	2.24640E-07	1.94727E-07	1.70333E-07	2.01357E-06	-3.57680E-11	4.13986E-10	-4.77413E-11
41	2.38969E-07	2.22950E-07	2.16647E-07	2.16889E-07	1.94936E-06	-5.17789E-11	2.55340E-10	-2.91101E-11
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.04675E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.29874E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.58940E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.25129E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.52161E+00	1.12568E-01	2.03630E-03	5.28660E-05	1.19883E+00	9.13540E-02	2.06013E-03	1.40158E-04
5	3.45015E-02	-3.43506E-02	2.23487E-05	2.09999E-04	2.64940E-02	-2.56922E-02	-7.81734E-04	-2.07888E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 15	SAME AS ABOVE						
16	2.53816E-09	-8.74735E-10	-1.02034E-10	-1.33291E-11	1.64721E-09	-5.40479E-10	-6.39604E-11	-1.15583E-11
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	THROUGH 20	SAME AS ABOVE						
21	1.29365E-09	-7.75193E-10	-2.85225E-10	-2.65938E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	7.97482E-07	-4.66700E-07	-2.48337E-07	-1.92693E-07	2.63562E-06	-1.54142E-06	-8.20715E-07	-6.36488E-07
24	8.58316E-10	-7.97984E-10	-2.77005E-10	-5.60067E-11	1.85874E-10	-1.83265E-10	-5.64130E-11	9.92401E-12
25	2.87081E-07	-1.95356E-07	-8.62451E-08	-7.31488E-08	9.52377E-11	-6.68635E-11	-2.93680E-11	-8.55865E-12
26	3.47422E-08	3.87169E-10	7.84276E-09	3.01640E-08	1.82917E-08	2.84478E-10	4.16992E-09	1.60022E-08
27	3.39630E-09	-2.72620E-09	-1.47588E-09	-8.80518E-10	5.16199E-09	-4.06027E-09	-2.48912E-09	-1.41603E-09
28	3.02132E-09	-2.18641E-09	-1.60183E-09	-6.01754E-10	1.87597E-09	-1.41300E-09	-8.70932E-10	-4.23373E-10
29	3.33291E-10	-4.97133E-10	3.00262E-10	-3.71347E-10	1.74001E-10	-1.36292E-10	-9.10110E-11	-4.63593E-11

30	1.18569E-08	-9.30276E-09	-6.41907E-09	-3.09378E-09	6.65251E-10	-5.20681E-10	-3.52218E-10	-1.77133E-10
31	1.87218E-08	-1.40188E-08	-8.74261E-09	-2.92004E-09	1.49507E-08	-1.16549E-08	-8.16958E-09	-4.01675E-09
32	9.00078E-08	-5.26585E-08	-3.71224E-08	-1.80374E-08	5.89629E-09	-4.74163E-09	-3.18071E-09	-1.39239E-09
33	2.47389E-07	-3.12926E-08	-2.19856E-08	-9.81351E-09	7.30649E-08	-5.33137E-08	-3.84292E-08	-1.86822E-08
34	1.46961E-06	-8.23006E-09	-6.90565E-09	-2.59232E-09	3.93265E-07	-2.68644E-08	-2.25652E-08	-8.53017E-09
35	1.31899E-06	-5.24523E-11	1.26355E-10	-2.36438E-12	1.27079E-06	-2.28073E-11	6.09150E-10	-6.37734E-12
36	1.17160E-06	-1.19539E-10	-7.97875E-11	-3.67843E-11	1.09509E-06	-2.33503E-11	5.12292E-10	-3.35780E-12
37	1.00611E-06	-1.47921E-10	-2.04637E-10	-4.79501E-11	9.71630E-07	-4.28310E-11	4.01918E-10	-3.26135E-12
38	9.15748E-07	-9.12484E-11	-1.16499E-10	-2.37465E-11	8.87379E-07	0.00000E+00	4.42405E-10	0.00000E+00
39	9.86444E-07	-8.40321E-11	-9.55006E-11	-2.46260E-11	9.63741E-07	-3.95585E-12	4.71371E-10	1.62665E-11
40	1.84719E-06	-2.50242E-11	1.99752E-10	-1.13148E-11	2.09673E-06	-1.39303E-11	1.01077E-09	3.20957E-12
41	1.88890E-06	5.30826E-11	2.37230E-10	-3.76924E-11	1.96303E-06	-8.38412E-12	9.50165E-10	2.40411E-12
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	7.22433E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.53667E-07	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.50595E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.74954E-01	0.00000E+00	0.00000E+00
4	3.68080E-04	1.38144E-04	1.01062E-05	2.39241E-07	0.00000E+00	3.70137E-01	8.44100E-03	4.01414E-05
5	4.86229E-05	-4.38402E-05	-4.64336E-06	-1.40457E-07	1.00000E+00	2.89056E-03	-2.87189E-03	-1.87167E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.95960E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.97290E-15	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.15500E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.47670E-15	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.56250E-18	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.38180E-17	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.43140E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.11590E-13	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.22220E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.13230E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.13210E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.64130E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.23400E-18	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.63760E-01	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.59420E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.11860E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.97290E-15	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.15500E-16	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.47670E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.56250E-18	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.38180E-17	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.43140E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.11590E-13	2.55226E-08	-1.10639E-08	-1.54353E-09
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.22220E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.13230E-16	1.50770E-08	-7.78083E-09	-1.32463E-09
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.13210E-16	2.18856E-08	-6.81219E-09	-1.14806E-09
35	1.68685E-12	-3.45867E-13	-1.77662E-12	-1.28589E-12	1.64130E-18	0.00000E+00	0.00000E+00	0.00000E+00
36	1.67877E-12	-3.42329E-13	-2.53132E-13	1.56247E-13	2.23400E-18	0.00000E+00	0.00000E+00	0.00000E+00
37	4.16023E-12	-1.92683E-12	-6.33905E-12	-2.92932E-13	0.00000E+00	4.59546E-07	0.00000E+00	1.43073E-11
38	1.12329E-11	-3.44079E-12	-2.02433E-11	-1.37858E-12	0.00000E+00	8.85241E-07	0.00000E+00	2.76638E-11
39	2.45469E-11	1.00059E-11	-8.65363E-12	6.15531E-12	0.00000E+00	6.25825E-07	0.00000E+00	1.95567E-11
40	2.13426E-11	-4.50173E-12	-3.60333E-11	-5.97675E-12	0.00000E+00	4.88711E-07	0.00000E+00	1.52717E-11
41	2.84845E-11	-6.92110E-12	-5.26868E-11	-3.86271E-12	0.00000E+00	5.61128E-07	0.00000E+00	1.75118E-11
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.79733E-02	0.00000E+00	0.00000E+00	0.00000E+00

2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.54104E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.92881E-07	5.41402E-01	1.13504E+00	1.43729E+00	1.39907E+00
5	-1.21051E-07	4.24687E-01	7.95968E-01	4.21824E-01	-4.28921E-01
6	0.00000E+00	1.44084E-01	1.70733E-01	-1.88103E-01	-4.32411E-01
7	0.00000E+00	6.51874E-02	5.25700E-02	-1.26878E-01	-1.60389E-01
8	0.00000E+00	2.98933E-02	1.67239E-02	-6.67718E-02	-5.49242E-02
9	0.00000E+00	1.59837E-02	6.66929E-03	-3.76101E-02	-2.25608E-02
10	0.00000E+00	1.22082E-02	4.51980E-03	-2.91123E-02	-1.54059E-02
11	0.00000E+00	1.10600E-02	3.92893E-03	-2.64745E-02	-1.34202E-02
12	0.00000E+00	9.46109E-03	3.15719E-03	-2.27668E-02	-1.08152E-02
13	0.00000E+00	7.31279E-03	2.20529E-03	-1.77214E-02	-7.58454E-03
14	0.00000E+00	4.70949E-03	1.21371E-03	-1.15100E-02	-4.19377E-03
15	0.00000E+00	2.47466E-03	5.15639E-04	-6.09612E-03	-1.78977E-03
16	0.00000E+00	1.26444E-03	2.18469E-04	-3.12935E-03	-7.60296E-04
17	0.00000E+00	6.10013E-04	8.98603E-05	-1.51395E-03	-3.13218E-04
18	0.00000E+00	3.66087E-04	4.94077E-05	-9.09657E-04	-1.72338E-04
19	0.00000E+00	2.42788E-04	3.12587E-05	-6.03611E-04	-1.09067E-04
20	0.00000E+00	1.68443E-04	2.10534E-05	-4.18916E-04	-7.34700E-05
21	0.00000E+00	1.25687E-04	1.55106E-05	-3.12633E-04	-5.41327E-05
22	0.00000E+00	9.87562E-05	1.21391E-05	-2.45650E-04	-4.23673E-05
23	0.00000E+00	8.05302E-05	9.91905E-06	-2.00309E-04	-3.46190E-05
24	0.00000E+00	5.34892E-05	6.70218E-06	-1.33024E-04	-2.33886E-05
25	0.00000E+00	3.68561E-05	4.75851E-06	-9.16303E-05	-1.66035E-05
26	0.00000E+00	2.80727E-05	3.73621E-06	-6.97656E-05	-1.30333E-05
27	0.00000E+00	2.18706E-05	3.00967E-06	-5.43314E-05	-1.04968E-05
28	0.00000E+00	1.87498E-05	2.64053E-06	-4.65639E-05	-9.20777E-06
29	0.00000E+00	1.79319E-05	2.54309E-06	-4.45281E-05	-8.86760E-06
30	0.00000E+00	1.72648E-05	2.46324E-06	-4.28675E-05	-8.58860E-06
31	-3.63704E-10	1.54237E-05	2.24174E-06	-3.82865E-05	-7.81483E-06
32	0.00000E+00	1.31945E-05	1.97026E-06	-3.27404E-05	-6.86734E-06
33	-4.40938E-10	1.05981E-05	1.64699E-06	-2.62804E-05	-5.73837E-06
34	-3.53839E-10	6.90088E-06	1.16198E-06	-1.70765E-05	-4.05879E-06
35	0.00000E+00	4.56776E-06	8.44304E-07	-1.12884E-05	-2.93607E-06
36	0.00000E+00	3.28795E-06	6.53341E-07	-8.10751E-06	-2.27152E-06
37	0.00000E+00	2.38158E-06	5.08595E-07	-5.85938E-06	-1.76894E-06
38	0.00000E+00	1.82620E-06	4.16120E-07	-4.48513E-06	-1.44201E-06
39	0.00000E+00	1.36495E-06	3.31846E-07	-3.33349E-06	-1.14815E-06
40	0.00000E+00	9.72489E-07	2.55047E-07	-2.36116E-06	-8.82894E-07
41	0.00000E+00	7.21076E-07	2.02168E-07	-1.74131E-06	-6.99251E-07
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 39

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	7.49143E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.08486E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	4.22394E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	3.82905E-01	0.00000E+00	0.00000E+00	0.00000E+00	9.69160E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.77456E-01	6.31866E-02	-3.47895E-02	1.13554E-03	9.12662E-01	7.94174E-02	1.63130E-03	5.25786E-05
5	6.04589E-03	-5.59940E-03	-4.34354E-04	-1.16891E-05	4.56056E-02	-4.44935E-02	-1.09424E-03	-1.86497E-05
6	2.55535E-08	-6.22679E-08	6.57353E-08	-3.92690E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8 SAME AS ABOVE								
9	4.80014E-08	-5.70027E-10	-2.01663E-11	-4.68121E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11 THROUGH 13 SAME AS ABOVE								
14	4.18525E-10	-4.11237E-11	-1.16025E-12	-3.81901E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	3.48434E-08	-2.67259E-09	-1.09417E-09	-4.72948E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	9.48677E-11	-8.89112E-12	-6.97892E-13	-3.83873E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	1.95159E-10	-2.50776E-11	-9.40220E-13	-1.57190E-13	8.66760E-10	-3.70340E-10	-4.68828E-11	-9.60744E-12

18	3.36447E-11	-5.61658E-12	-3.00277E-13	-5.83859E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	7.53960E-11	-1.36119E-11	-8.20845E-13	-1.04896E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	4.83681E-11	-9.86608E-12	-7.68069E-13	-5.42541E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	2.93134E-10	6.51180E-11	2.37821E-11	1.21820E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	5.21425E-09	1.00621E-09	4.23614E-10	1.07921E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	1.05064E-09	3.09238E-10	1.18458E-10	3.00480E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	2.75024E-09	-2.76379E-10	-3.52538E-11	-1.10612E-10	4.97796E-07	-3.20799E-07	-1.80187E-07	-1.85364E-07
25	1.93122E-09	-1.13165E-10	7.80080E-11	2.92773E-11	1.10865E-10	-1.17876E-10	-2.51145E-11	1.02763E-11
26	1.90557E-09	-1.24173E-10	8.29423E-11	4.75091E-11	3.71100E-08	-2.15966E-08	-1.21373E-08	-1.27006E-08
27	1.89263E-09	-1.52627E-10	5.53165E-11	2.60565E-11	1.35150E-08	-9.95431E-09	-1.29902E-08	-7.54534E-11
28	1.18540E-09	1.78473E-10	2.06892E-10	1.25671E-10	1.09848E-09	-8.24677E-10	-7.40321E-10	-2.96259E-10
29	1.48458E-09	-3.14973E-10	4.10182E-10	2.51651E-10	1.25330E-09	-8.99036E-10	-8.09917E-10	-2.61777E-10
30	8.05113E-10	4.20836E-10	2.47171E-10	1.44355E-10	1.20015E-10	-8.85311E-11	-8.55328E-11	-3.28406E-11
31	1.04223E-09	3.10694E-10	2.24328E-10	1.39653E-10	2.80637E-09	-2.03413E-09	-2.10626E-09	-7.71137E-10
32	8.36750E-10	4.29884E-10	2.69245E-10	1.65740E-10	5.41865E-09	-4.02931E-09	-3.96757E-09	-1.34903E-09
33	1.09705E-09	3.21823E-10	2.87683E-10	1.75243E-10	7.32820E-09	-5.30714E-09	-5.45677E-09	-2.02197E-09
34	1.42687E-09	1.77389E-10	2.65063E-10	1.85756E-10	3.80866E-08	-1.21232E-08	-1.30644E-08	-5.25893E-09
35	9.46768E-10	3.66330E-10	3.26927E-10	2.56104E-10	4.49118E-07	-5.24748E-09	-6.60546E-09	-2.05379E-09
36	9.73133E-08	3.19321E-10	2.66070E-10	2.23849E-10	6.35612E-07	-1.19051E-11	1.71685E-10	-1.68450E-11
37	3.11697E-07	2.64165E-07	2.33371E-07	2.06975E-07	5.54811E-07	-1.57132E-11	1.40116E-10	2.26881E-11
38	1.02311E-07	9.69343E-08	9.49382E-08	9.52807E-08	4.86769E-07	-3.07325E-11	6.24666E-11	-7.31157E-12
39	9.55318E-08	1.07850E-07	1.23225E-07	1.39033E-07	4.48295E-07	-8.71068E-12	6.37400E-11	-4.99020E-12
40	9.47502E-08	8.19253E-08	7.65560E-08	7.27833E-08	4.71520E-07	-7.03497E-12	7.56026E-11	2.84419E-11
41	1.04734E-07	8.56755E-08	7.29515E-08	6.31658E-08	9.50565E-07	-7.68484E-12	1.97157E-10	-2.86766E-11
42	8.53044E-08	6.61959E-08	5.37073E-08	4.66488E-08	9.20379E-07	-1.54835E-11	1.21166E-10	-1.35765E-11
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.30722E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.83148E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.25642E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.69101E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.18566E+00	1.00284E-01	1.85300E-03	3.01363E-05	9.19101E-01	8.16998E-02	1.77361E-03	7.43577E-05
5	5.73018E-02	-5.59365E-02	-1.35211E-03	-1.49421E-05	4.61033E-02	-4.48965E-02	-1.18676E-03	-2.05786E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 16	SAME AS ABOVE						
17	5.97368E-10	-2.74481E-10	-5.08873E-11	-3.01087E-11	3.86677E-10	-1.65215E-10	-2.09152E-11	-4.28605E-12
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	THROUGH 21	SAME AS ABOVE						
22	3.27774E-10	-2.44585E-10	-1.23289E-10	-8.87096E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	2.24432E-07	-1.44743E-07	-8.13102E-08	-8.34859E-08	7.41879E-07	-4.78133E-07	-2.68493E-07	-2.76208E-07
25	2.30979E-10	-2.22818E-10	-8.86682E-11	-9.93158E-12	4.85081E-11	-5.19571E-11	-1.02927E-11	4.81014E-12
26	8.38706E-08	-5.05562E-08	-2.90987E-08	-2.94798E-08	2.69927E-11	-2.14461E-11	-1.57434E-11	-6.33051E-12
27	9.34782E-09	-6.88726E-09	-8.96005E-09	-6.93821E-11	4.92141E-09	-3.62497E-09	-4.72770E-09	-2.97488E-11
28	1.00042E-09	-7.77209E-10	-6.23886E-10	-2.50652E-10	1.55696E-09	-1.16779E-09	-1.04900E-09	-4.23349E-10
29	9.51618E-10	-6.43917E-10	-6.40013E-10	-1.83224E-10	5.74040E-10	-4.07377E-10	-3.61919E-10	-1.18417E-10
30	6.18293E-11	-4.56093E-11	-4.40646E-11	-1.69188E-11	5.35410E-11	-3.94953E-11	-3.81577E-11	-1.46508E-11
31	3.68196E-09	-2.69581E-09	-2.71300E-09	-9.92526E-10	2.05408E-10	-1.50826E-10	-1.48153E-10	-5.64622E-11
32	5.75257E-09	-4.25784E-09	-4.13459E-09	-1.49426E-09	4.66079E-09	-3.37555E-09	-3.46435E-09	-1.31064E-09
33	3.17177E-08	-1.52344E-08	-1.57714E-08	-5.94962E-09	1.84232E-09	-1.36363E-09	-1.35113E-09	-4.62569E-10
34	1.10277E-07	-8.90050E-09	-9.46156E-09	-3.75585E-09	2.37071E-08	-1.49551E-08	-1.60808E-08	-6.66307E-09
35	6.92451E-07	-2.39331E-09	-3.04546E-09	-9.33858E-10	1.80601E-07	-7.80244E-09	-9.92996E-09	-3.05251E-09
36	6.22855E-07	-1.59006E-11	5.74788E-11	-9.25432E-12	6.00164E-07	-5.88873E-12	2.88691E-10	-4.45981E-12
37	5.53208E-07	-3.35806E-11	-3.01532E-11	2.90729E-12	5.17129E-07	-5.84129E-12	2.45614E-10	8.09431E-12
38	4.75084E-07	-4.43783E-11	-9.51355E-11	-2.09703E-11	4.58859E-07	-1.30678E-11	1.90292E-10	-2.13754E-12
39	4.32418E-07	-2.89599E-11	-5.16174E-11	-1.13433E-11	4.19060E-07	0.00000E+00	2.08965E-10	0.00000E+00
40	4.65674E-07	-2.61874E-11	-4.52244E-11	-1.30252E-11	4.55032E-07	-4.58014E-12	2.16665E-10	1.65118E-12
41	8.72217E-07	-8.16683E-12	9.27955E-11	-6.44624E-12	9.90093E-07	-4.37928E-12	4.77515E-10	7.43585E-13
42	8.91945E-07	1.88742E-11	1.27682E-10	2.95757E-11	9.27024E-07	-3.00801E-12	4.48769E-10	2.35167E-12
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

44 THROUGH 70 SAME AS ABOVE

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.05440E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.19334E-07	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.52984E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.75086E-01	0.00000E+00	0.00000E+00
4	3.69934E-04	1.38547E-04	1.00879E-05	2.42432E-07	0.00000E+00	3.70236E-01	8.43671E-03	4.00754E-05
5	8.17937E-05	-7.37750E-05	-7.78412E-06	-2.37512E-07	1.00000E+00	4.83531E-03	-4.80397E-03	-3.13226E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.10470E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02910E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.18710E-17	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.25140E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.03710E-18	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.16670E-17	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.60270E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.08970E-13	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.15930E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.97220E-17	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.06750E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.29960E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.42020E-18	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.23290E-01	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.24690E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.63350E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02910E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.18710E-17	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.25140E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.03710E-18	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.16670E-17	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.60270E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.08970E-13	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.15930E-15	5.72246E-09	-3.58689E-09	-8.55549E-10
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.97220E-17	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.06750E-16	3.33945E-09	-2.51072E-09	-6.49514E-10
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.29960E-18	7.03620E-09	-2.23729E-09	-6.86465E-10
36	6.81617E-13	8.69218E-14	-5.61959E-13	-6.21388E-13	1.42020E-18	0.00000E+00	0.00000E+00	0.00000E+00
37	5.64260E-13	-7.33666E-14	-1.44015E-13	-5.57462E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	1.70519E-12	-5.85305E-13	-2.99614E-12	-1.47334E-13	0.00000E+00	2.17064E-07	0.00000E+00	6.75808E-12
39	4.81878E-12	-1.08055E-12	-9.48583E-12	-6.19028E-13	0.00000E+00	4.18141E-07	0.00000E+00	1.30668E-11
40	7.54644E-12	-8.45493E-13	-9.64670E-12	3.38916E-12	0.00000E+00	2.95602E-07	0.00000E+00	9.23743E-12
41	9.04055E-12	-9.70870E-13	-1.68106E-11	-3.58084E-12	0.00000E+00	2.30829E-07	0.00000E+00	7.21337E-12
42	1.23185E-11	-2.06170E-12	-2.48130E-11	-1.83593E-12	0.00000E+00	2.65038E-07	0.00000E+00	8.27077E-12
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	2.62074E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.55191E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.06926E-07	5.42460E-01	1.13765E+00	1.44070E+00	1.40217E+00
5	-1.92875E-07	5.35378E-01	1.05657E+00	7.77679E-01	-2.15018E-01
6	0.00000E+00	1.90169E-01	2.65048E-01	-1.55579E-01	-5.54684E-01
7	0.00000E+00	6.80549E-02	5.55934E-02	-1.31517E-01	-1.69042E-01
8	0.00000E+00	3.07908E-02	1.71785E-02	-6.88247E-02	-5.64402E-02
9	0.00000E+00	1.41203E-02	5.50407E-03	-3.34760E-02	-1.86893E-02
10	0.00000E+00	7.54966E-03	2.21891E-03	-1.83247E-02	-7.63783E-03
11	0.00000E+00	5.76647E-03	1.51375E-03	-1.40821E-02	-5.22877E-03
12	0.00000E+00	5.22403E-03	1.31945E-03	-1.27799E-02	-4.56217E-03
13	0.00000E+00	4.46907E-03	1.06520E-03	-1.09593E-02	-3.68804E-03

14	0.00000E+00	3.45407E-03	7.50689E-04	-8.49781E-03	-2.60382E-03
15	0.00000E+00	2.22450E-03	4.20791E-04	-5.49433E-03	-1.46276E-03
16	0.00000E+00	1.16890E-03	1.85498E-04	-2.89755E-03	-6.46150E-04
17	0.00000E+00	5.97242E-04	8.27607E-05	-1.48348E-03	-2.88630E-04
18	0.00000E+00	2.88136E-04	3.65304E-05	-7.16474E-04	-1.27477E-04
19	0.00000E+00	1.72917E-04	2.13047E-05	-4.30108E-04	-7.43583E-05
20	0.00000E+00	1.14679E-04	1.41446E-05	-2.85247E-04	-4.93663E-05
21	0.00000E+00	7.95629E-05	9.96577E-06	-1.97868E-04	-3.47795E-05
22	0.00000E+00	5.93689E-05	7.60756E-06	-1.47611E-04	-2.65455E-05
23	0.00000E+00	4.66475E-05	6.12987E-06	-1.15949E-04	-2.13857E-05
24	0.00000E+00	3.80378E-05	5.12718E-06	-9.45188E-05	-1.78846E-05
25	0.00000E+00	2.52658E-05	3.62238E-06	-6.27292E-05	-1.26293E-05
26	0.00000E+00	1.74088E-05	2.67094E-06	-4.31786E-05	-9.30713E-06
27	0.00000E+00	1.32596E-05	2.14995E-06	-3.28575E-05	-7.48781E-06
28	0.00000E+00	1.03303E-05	1.76799E-06	-2.55731E-05	-6.15369E-06
29	0.00000E+00	8.85641E-06	1.56974E-06	-2.19075E-05	-5.46150E-06
30	0.00000E+00	8.47018E-06	1.51678E-06	-2.09475E-05	-5.27660E-06
31	0.00000E+00	8.15503E-06	1.47314E-06	-2.01638E-05	-5.12428E-06
32	-4.52386E-10	7.28515E-06	1.35110E-06	-1.80030E-05	-4.69824E-06
33	0.00000E+00	6.23239E-06	1.19969E-06	-1.53875E-05	-4.16955E-06
34	-2.97773E-10	5.00585E-06	1.01592E-06	-1.23411E-05	-3.52802E-06
35	-4.86368E-10	3.25893E-06	7.33726E-07	-8.00470E-06	-2.54769E-06
36	0.00000E+00	2.15754E-06	5.41489E-07	-5.27955E-06	-1.87250E-06
37	0.00000E+00	1.55291E-06	4.23938E-07	-3.78367E-06	-1.46290E-06
38	0.00000E+00	1.12471E-06	3.33288E-07	-2.72760E-06	-1.14827E-06
39	0.00000E+00	8.62470E-07	2.74061E-07	-2.08281E-06	-9.40680E-07
40	0.00000E+00	6.43767E-07	2.19771E-07	-1.54365E-06	-7.52696E-07
41	0.00000E+00	4.58109E-07	1.70211E-07	-1.08855E-06	-5.80572E-07
42	0.00000E+00	3.39391E-07	1.35560E-07	-7.99329E-07	-4.60599E-07
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 40

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	5.62516E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.64908E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	9.33444E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.95661E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.01023E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.32736E-01	1.08808E-02	7.98065E-04	7.96109E-05	9.49074E-01	6.93041E-02	1.27088E-03	2.59770E-05
5	3.05369E-02	-5.67923E-02	3.49167E-02	-1.13557E-03	4.56243E-02	-4.44485E-02	-1.16277E-03	-1.29237E-05
6	4.26993E-08	-1.04047E-07	1.09826E-07	-6.55906E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 9 SAME AS ABOVE								
10	1.38882E-08	-6.12744E-10	-1.25888E-11	1.94968E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12 THROUGH 14 SAME AS ABOVE								
15	7.21424E-11	-1.86681E-11	-9.62336E-13	-6.98538E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	7.87715E-09	-1.09789E-09	-2.82000E-10	-1.45842E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	2.38426E-11	-3.29838E-12	-2.53253E-13	-4.14040E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	4.85716E-11	-9.36823E-12	-5.61186E-13	-7.84650E-14	2.32049E-10	-1.48351E-10	-6.05767E-11	-5.39411E-11
19	8.30803E-12	-2.11780E-12	-1.71282E-13	-4.04770E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	1.74448E-11	-4.76389E-12	-4.35050E-13	-1.10566E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	1.17376E-11	-3.38627E-12	-3.80503E-13	-1.28571E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	1.58943E-10	5.81456E-11	2.72234E-11	1.14953E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	2.70637E-09	9.75253E-10	5.05520E-10	2.42803E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	5.73573E-10	2.51723E-10	1.26945E-10	6.20662E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	1.08904E-09	8.46080E-11	7.60059E-11	2.43760E-11	1.73170E-07	-8.62260E-08	-8.09668E-08	-1.24855E-07
26	7.30272E-10	1.13282E-10	1.41884E-10	9.99576E-11	3.51978E-11	-3.41867E-11	-6.76340E-12	-7.02445E-12
27	7.27275E-10	1.09213E-10	1.38190E-10	9.70026E-11	1.39158E-08	-4.29770E-09	-2.83025E-09	-4.84506E-09
28	7.43449E-10	1.16939E-10	1.43861E-10	1.15941E-10	5.75782E-09	-3.70672E-09	-6.71613E-09	-7.76515E-11
29	5.36178E-10	2.51549E-10	2.38983E-10	1.92598E-10	4.21502E-10	-2.72019E-10	-3.91856E-10	-1.26657E-10

30	5.96936E-10	1.62850E-10	3.39303E-10	2.38916E-10	4.81539E-10	-3.07138E-10	-4.55080E-10	-1.35773E-10
31	4.43434E-10	3.50562E-10	2.97418E-10	2.56110E-10	4.68083E-11	-2.91911E-11	-4.57136E-11	-1.43913E-11
32	5.10869E-10	3.14333E-10	2.87285E-10	2.55784E-10	1.11066E-09	-6.72667E-10	-1.13422E-09	-3.39996E-10
33	4.50358E-10	3.64517E-10	3.23690E-10	2.90198E-10	2.13415E-09	-1.32886E-09	-2.12880E-09	-6.03176E-10
34	5.15981E-10	3.26032E-10	3.19281E-10	2.97100E-10	2.90170E-09	-1.73513E-09	-2.93518E-09	-9.05674E-10
35	5.85877E-10	2.33778E-10	2.60365E-10	2.39260E-10	1.85983E-08	-3.63747E-09	-6.59346E-09	-2.02014E-09
36	4.24331E-10	2.38601E-10	2.23704E-10	2.00263E-10	2.52899E-07	-1.70306E-09	-3.58204E-09	-1.02768E-09
37	2.82002E-10	1.74096E-10	1.63506E-10	1.56508E-10	3.59642E-07	-5.21365E-13	1.01994E-10	-9.54184E-12
38	1.36827E-07	1.07161E-07	8.79047E-08	7.30365E-08	3.13904E-07	-1.19483E-11	6.68091E-11	1.04183E-12
39	4.04354E-08	2.87648E-08	2.13033E-08	1.70450E-08	2.75402E-07	-1.02543E-11	3.61195E-11	-5.28364E-12
40	3.31697E-08	2.18962E-08	1.52558E-08	1.08200E-08	2.53645E-07	-2.90517E-12	3.62590E-11	-3.17953E-12
41	3.19406E-08	2.07418E-08	1.38954E-08	9.52441E-09	2.66683E-07	-7.25591E-12	3.14460E-11	-1.73488E-12
42	3.50622E-08	2.17981E-08	1.38299E-08	8.92495E-09	5.37779E-07	8.06378E-13	1.13346E-10	-2.24351E-11
43	2.85439E-08	1.60274E-08	8.71910E-09	5.48382E-09	5.20675E-07	-4.54137E-12	6.86902E-11	-9.25167E-12
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	3.24410E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.48252E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.30417E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.94126E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.22812E+00	8.72575E-02	1.47402E-03	1.64815E-05	9.53616E-01	7.14894E-02	1.36667E-03	3.57767E-05
5	5.76789E-02	-5.62760E-02	-1.39038E-03	-1.20676E-05	4.71333E-02	-4.58886E-02	-1.22908E-03	-1.55758E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 17	SAME AS ABOVE						
18	1.61973E-10	-1.07590E-10	-4.67497E-11	-3.92018E-11	1.03521E-10	-6.61819E-11	-2.70243E-11	-2.40640E-11
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	THROUGH 22	SAME AS ABOVE						
23	1.04684E-10	-8.13333E-11	-5.59808E-11	-2.85711E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	7.80643E-08	-3.89453E-08	-3.65466E-08	-5.61561E-08	2.58073E-07	-1.28512E-07	-1.20638E-07	-1.86074E-07
26	7.79294E-11	-6.87295E-11	-4.20247E-11	-1.01282E-11	1.53001E-11	-1.50366E-11	-2.51401E-12	-3.03980E-12
27	3.12102E-08	-1.09552E-08	-8.54022E-09	-1.33125E-08	9.92868E-12	-7.10161E-12	-8.03551E-12	-2.48414E-12
28	3.97862E-09	-2.56245E-09	-4.63228E-09	-6.04300E-11	2.09628E-09	-1.34957E-09	-2.44435E-09	-2.91936E-11
29	3.75920E-10	-2.54849E-10	-3.26593E-10	-1.06159E-10	5.97276E-10	-3.85022E-10	-5.55082E-10	-1.80795E-10
30	3.73472E-10	-2.13820E-10	-3.49498E-10	-7.61968E-11	2.19971E-10	-1.39216E-10	-2.03894E-10	-6.10821E-11
31	2.41146E-11	-1.50386E-11	-2.35506E-11	-7.41410E-12	2.08820E-11	-1.30227E-11	-2.03936E-11	-6.42022E-12
32	1.44965E-09	-8.90196E-10	-1.45792E-09	-4.36919E-10	8.03938E-11	-4.97145E-11	-7.93506E-11	-2.49086E-11
33	2.26362E-09	-1.38020E-09	-2.20123E-09	-7.26477E-10	1.84082E-09	-1.10905E-09	-1.86729E-09	-5.81818E-10
34	1.43639E-08	-4.99638E-09	-8.50171E-09	-2.68764E-09	7.28289E-10	-4.43720E-10	-7.26629E-10	-2.08422E-10
35	6.02284E-08	-2.62696E-09	-4.67488E-09	-1.26508E-09	9.78041E-09	-4.46465E-09	-8.09904E-09	-2.59441E-09
36	3.91280E-07	-7.73086E-10	-1.64224E-09	-4.64749E-10	1.00412E-07	-2.53982E-09	-5.40635E-09	-1.53296E-09
37	3.52447E-07	-3.97845E-12	3.41547E-11	-7.90543E-12	3.39617E-07	-1.23984E-12	1.64093E-10	-3.89252E-12
38	3.13020E-07	-1.57647E-11	-2.56725E-11	-6.38258E-12	2.92620E-07	-4.42872E-12	1.34351E-10	3.17623E-13
39	2.68809E-07	-1.44912E-11	-5.34713E-11	-1.28238E-11	2.59645E-07	-4.42918E-12	1.07799E-10	-1.80600E-12
40	2.44677E-07	-9.85777E-12	-2.81795E-11	-7.89588E-12	2.37131E-07	0.00000E+00	1.18260E-10	0.00000E+00
41	2.63429E-07	-8.43733E-12	-2.51856E-11	-8.82507E-12	2.57412E-07	-1.65844E-12	1.22655E-10	4.79864E-13
42	4.93498E-07	-2.80438E-12	5.19197E-11	-4.79548E-12	5.60225E-07	-1.53947E-12	2.70246E-10	-2.87929E-15
43	5.04629E-07	-2.37786E-12	5.37162E-11	-2.79553E-12	5.24481E-07	-1.12892E-12	2.53506E-10	-1.16659E-13
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.64334E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	3.38432E-07	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.54566E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	3.91443E-04	1.20125E-04	8.12637E-06	1.84321E-07	0.00000E+00	3.75119E-01	0.00000E+00	0.00000E+00
5	8.19925E-05	-7.39860E-05	-7.77088E-06	-2.41628E-07	1.00000E+00	3.71523E-01	7.23152E-03	3.21309E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.82970E-03	-4.79869E-03	-3.12543E-05
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.27260E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.78010E-17	0.00000E+00	0.00000E+00	0.00000E+00

10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.00520E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.13800E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.45460E-18	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.13150E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.62780E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.81850E-13	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.60170E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.54830E-17	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.40280E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24440E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21370E-18	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28400E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.93280E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.54760E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.78010E-17	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.00520E-16	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.13800E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.45460E-18	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.13150E-16	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.62780E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.81850E-13	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.60170E-15	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.54830E-17	1.50209E-09	-1.28062E-09	-3.80530E-10
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.40280E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24440E-18	8.90058E-10	-8.33543E-10	-1.94458E-10
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21370E-18	3.03919E-09	-6.98243E-10	-2.54853E-10
37	3.34242E-13	2.10023E-13	3.64648E-14	1.01526E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	1.95724E-13	1.70746E-14	5.48258E-14	2.11674E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	8.31924E-13	-1.92043E-13	-1.63328E-12	-1.00481E-13	0.00000E+00	1.22842E-07	0.00000E+00	3.82443E-12
40	2.52374E-12	-3.60382E-13	-5.34521E-12	-3.94417E-13	0.00000E+00	2.36635E-07	0.00000E+00	7.39483E-12
41	3.52368E-12	-8.65204E-13	-6.83153E-12	-3.12458E-13	0.00000E+00	1.67286E-07	0.00000E+00	5.22758E-12
42	4.61636E-12	9.73312E-14	-9.26900E-12	-2.79538E-12	0.00000E+00	1.30632E-07	0.00000E+00	4.08210E-12
43	6.41823E-12	-6.03402E-13	-1.40144E-11	-1.22757E-12	0.00000E+00	1.49988E-07	0.00000E+00	4.68058E-12
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	4.08167E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.56809E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.02469E-07	6.48775E-01	1.35366E+00	1.63446E+00	1.42319E+00
5	-2.06919E-07	6.35100E-01	1.22248E+00	7.61242E-01	-4.86682E-01
6	0.00000E+00	2.82089E-01	4.07250E-01	-2.00618E-01	-8.25567E-01
7	0.00000E+00	1.07619E-01	9.92497E-02	-1.89242E-01	-2.84951E-01
8	0.00000E+00	3.85155E-02	2.09192E-02	-8.65573E-02	-6.88839E-02
9	0.00000E+00	1.74253E-02	6.52052E-03	-4.14758E-02	-2.21825E-02
10	0.00000E+00	7.99051E-03	2.12534E-03	-1.94946E-02	-7.33450E-03
11	0.00000E+00	4.27253E-03	8.78798E-04	-1.05283E-02	-3.05066E-03
12	0.00000E+00	3.26338E-03	6.08625E-04	-8.06289E-03	-2.11600E-03
13	0.00000E+00	2.95637E-03	5.33740E-04	-7.31016E-03	-1.85649E-03
14	0.00000E+00	2.52914E-03	4.35326E-04	-6.25976E-03	-1.51506E-03
15	0.00000E+00	1.95473E-03	3.12718E-04	-4.84484E-03	-1.08922E-03
16	0.00000E+00	1.25891E-03	1.82089E-04	-3.12514E-03	-6.34786E-04
17	0.00000E+00	6.61467E-04	8.61296E-05	-1.64436E-03	-3.00506E-04
18	0.00000E+00	3.37991E-04	4.19331E-05	-8.40635E-04	-1.46348E-04
19	0.00000E+00	1.63061E-04	2.04961E-05	-4.05506E-04	-7.15290E-05
20	0.00000E+00	9.78614E-05	1.28596E-05	-2.43235E-04	-4.48630E-05
21	0.00000E+00	6.48999E-05	9.00446E-06	-1.61205E-04	-3.14014E-05
22	0.00000E+00	4.50269E-05	6.63770E-06	-1.11745E-04	-2.31372E-05
23	0.00000E+00	3.35984E-05	5.23660E-06	-8.33068E-05	-1.82438E-05

24	0.00000E+00	2.63988E-05	4.32780E-06	-6.54006E-05	-1.50697E-05
25	0.00000E+00	2.15265E-05	3.69074E-06	-5.32826E-05	-1.28451E-05
26	0.00000E+00	1.42986E-05	2.70002E-06	-3.53151E-05	-9.38477E-06
27	0.00000E+00	9.85193E-06	2.04612E-06	-2.42709E-05	-7.10158E-06
28	0.00000E+00	7.50426E-06	1.67555E-06	-1.84438E-05	-5.80773E-06
29	0.00000E+00	5.84628E-06	1.39676E-06	-1.43334E-05	-4.83457E-06
30	0.00000E+00	5.01203E-06	1.24970E-06	-1.22661E-05	-4.32122E-06
31	0.00000E+00	4.79332E-06	1.21009E-06	-1.17245E-05	-4.18298E-06
32	0.00000E+00	4.61495E-06	1.17732E-06	-1.12831E-05	-4.06855E-06
33	-1.46946E-10	4.12290E-06	1.08507E-06	-1.00651E-05	-3.74660E-06
34	0.00000E+00	3.52704E-06	9.69599E-07	-8.59190E-06	-3.34366E-06
35	-4.74821E-11	2.83293E-06	8.27607E-07	-6.87721E-06	-2.84826E-06
36	-1.26749E-10	1.84407E-06	6.06023E-07	-4.43934E-06	-2.07747E-06
37	0.00000E+00	1.22103E-06	4.51232E-07	-2.91086E-06	-1.53699E-06
38	0.00000E+00	8.78727E-07	3.55525E-07	-2.07410E-06	-1.20413E-06
39	0.00000E+00	6.36446E-07	2.81069E-07	-1.48517E-06	-9.46502E-07
40	0.00000E+00	4.88091E-07	2.31759E-07	-1.12669E-06	-7.75203E-07
41	0.00000E+00	3.63993E-07	1.86576E-07	-8.28031E-07	-6.19410E-07
42	0.00000E+00	2.67375E-07	1.55347E-07	-5.86627E-07	-4.98346E-07
43	0.00000E+00	2.94979E-07	2.45183E-07	-5.25270E-07	-6.43487E-07
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 41

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	3.20655E-01	0.00000E+00	0.00000E+00	0.00000E+00	9.17424E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	1.60976E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	6.55207E-01	0.00000E+00	0.00000E+00	0.00000E+00	9.80875E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.31140E-01	9.80497E-03	3.79218E-04	6.70889E-06	9.43935E-01	6.24376E-02	1.05552E-03	1.23361E-05
5	6.67516E-03	-5.90430E-03	-6.73205E-04	-7.96231E-05	3.46373E-02	-3.37528E-02	-8.75848E-04	-8.67623E-06
6	2.40081E-10	-7.10041E-10	1.14982E-09	-1.54111E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 10 SAME AS ABOVE								
11	2.00770E-09	-1.51027E-10	-3.88136E-12	-5.34413E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13 THROUGH 15 SAME AS ABOVE								
16	1.64379E-12	-1.46474E-12	6.14010E-13	2.99550E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	7.55641E-10	-3.28933E-10	-4.25792E-11	5.06556E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	3.54942E-12	-7.75998E-13	-7.09024E-14	-1.51450E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	7.02853E-12	-2.28217E-12	-2.46978E-13	-5.97525E-14	4.23308E-11	-3.28181E-11	-1.97615E-11	-1.14272E-11
20	1.19315E-12	-4.86965E-13	-6.19495E-14	-1.60057E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	5.81143E-13	-2.62519E-13	-3.65763E-14	-1.28515E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	1.68037E-12	-7.83493E-13	-1.67033E-13	-7.08316E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	6.36846E-11	4.12710E-11	2.99974E-11	2.21376E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	1.05517E-09	7.13613E-10	5.63660E-10	4.49201E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	1.31164E-10	7.33676E-11	4.63248E-11	3.01494E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	2.05923E-10	2.07190E-11	4.73174E-12	-2.72566E-12	4.56649E-08	-2.34585E-09	-2.87154E-08	-4.64087E-08
27	1.90350E-10	2.20046E-10	3.45683E-10	4.53539E-10	6.67671E-12	-2.17115E-12	-5.51304E-12	-8.39303E-13
28	1.36241E-10	2.41888E-11	2.78498E-11	2.16545E-11	3.58713E-09	2.47891E-10	1.03584E-09	1.70061E-09
29	1.43299E-10	3.03606E-11	2.83028E-11	2.84518E-11	1.80281E-09	-8.65778E-10	-2.64672E-09	-1.47957E-10
30	1.02221E-10	6.37900E-11	5.94276E-11	5.26976E-11	7.43525E-11	-3.66292E-11	-9.09631E-11	-2.75737E-11
31	1.09443E-10	6.07876E-11	7.64729E-11	6.29986E-11	1.38827E-10	-6.06215E-11	-1.81341E-10	-5.45055E-11
32	9.06658E-11	8.23573E-11	7.73475E-11	7.23427E-11	1.23954E-11	-5.42043E-12	-1.63680E-11	-4.96784E-12
33	9.69237E-11	8.00699E-11	7.72788E-11	7.43708E-11	3.30874E-10	-1.33411E-10	-4.59832E-10	-1.35052E-10
34	9.14778E-11	8.69343E-11	8.49899E-11	8.28057E-11	6.24488E-10	-2.61877E-10	-8.48585E-10	-2.50164E-10
35	1.01291E-10	8.06356E-11	8.30776E-11	8.44511E-11	7.90803E-10	-3.12731E-10	-1.08757E-09	-3.46896E-10
36	1.07311E-10	6.00167E-11	6.03829E-11	6.43987E-11	6.67485E-09	-6.54263E-10	-2.55746E-09	-6.61915E-10
37	8.11193E-11	4.64501E-11	3.75481E-11	3.07249E-11	1.04304E-07	-2.13546E-10	-8.89707E-10	-2.86709E-10
38	6.13014E-11	2.44551E-11	1.71669E-11	1.20066E-11	1.49313E-07	1.24675E-12	4.39817E-11	-5.68422E-12
39	3.18622E-08	1.58011E-08	8.38439E-09	4.47073E-09	1.30321E-07	-1.73506E-12	2.97365E-11	-1.51990E-12

40	7.55079E-09	4.09599E-09	2.06854E-09	1.27114E-09	1.14328E-07	-1.20331E-12	2.23247E-11	-2.08020E-12
41	6.23707E-09	3.16218E-09	1.64895E-09	8.43791E-10	1.05307E-07	-3.78979E-13	1.62366E-11	-1.73854E-12
42	5.26274E-09	2.98392E-09	1.76152E-09	1.07290E-09	1.11384E-07	-1.31090E-12	1.33909E-11	-1.88329E-12
43	5.12900E-09	3.13372E-09	1.93362E-09	1.23882E-09	2.25273E-07	3.29312E-12	4.96446E-11	-1.35530E-11
44	4.27295E-09	2.30885E-09	1.04409E-09	7.23140E-10	2.16069E-07	-9.06795E-14	2.89386E-11	-5.59168E-12
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	1.08730E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.08506E-03	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.26419E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.01109E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.21844E+00	7.84515E-02	1.24347E-03	9.24244E-06	9.74104E-01	6.49814E-02	1.12656E-03	1.62316E-05
5	4.36000E-02	-4.25466E-02	-1.04484E-03	-8.60070E-06	3.59879E-02	-3.50497E-02	-9.28175E-04	-1.01205E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 18	SAME AS ABOVE						
19	3.03030E-11	-2.34809E-11	-1.51121E-11	-8.14025E-12	1.88845E-11	-1.46407E-11	-8.81596E-12	-5.09787E-12
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	THROUGH 23	SAME AS ABOVE						
24	2.45575E-11	-1.67508E-11	-2.02383E-11	-7.55525E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	2.05816E-08	-1.09866E-09	-1.29658E-08	-2.08668E-08	6.80517E-08	-3.49340E-09	-4.27880E-08	-6.91661E-08
27	1.85392E-11	-1.10088E-11	-1.83987E-11	-3.23017E-12	2.86340E-12	-9.26034E-13	-2.27632E-12	-3.45642E-13
28	8.29777E-09	8.90337E-10	2.03611E-09	1.85999E-09	2.72647E-12	-1.45835E-12	-3.18245E-12	-8.82601E-13
29	1.24436E-09	-5.97790E-10	-1.82490E-09	-1.04050E-10	6.56271E-10	-3.15151E-10	-9.63296E-10	-5.41426E-11
30	8.29433E-11	-4.21877E-11	-9.82427E-11	-3.07978E-11	1.02928E-10	-5.10254E-11	-1.25354E-10	-3.80201E-11
31	1.06522E-10	-4.52533E-11	-1.45335E-10	-3.63675E-11	6.33282E-11	-2.71221E-11	-8.11893E-11	-2.56086E-11
32	6.38585E-12	-2.79249E-12	-8.43243E-12	-2.55932E-12	5.52982E-12	-2.41815E-12	-7.30205E-12	-2.21624E-12
33	4.29560E-10	-1.76485E-10	-5.90524E-10	-1.74162E-10	2.36846E-11	-9.83209E-12	-3.21019E-11	-9.86532E-12
34	6.46911E-10	-2.45719E-10	-8.35824E-10	-3.17791E-10	5.45994E-10	-2.16502E-10	-7.52976E-10	-2.37966E-10
35	4.93482E-09	-9.45412E-10	-3.37513E-09	-1.09384E-09	1.26618E-10	-5.73618E-11	-1.65001E-10	-4.74704E-11
36	2.42283E-08	-5.26114E-10	-1.91274E-09	-5.06129E-10	2.76151E-09	-7.76704E-10	-3.10547E-09	-7.86915E-10
37	1.62148E-07	-9.67667E-11	-4.09406E-10	-1.29535E-10	4.06619E-08	-3.19811E-10	-1.35919E-09	-4.29476E-10
38	1.46333E-07	4.40917E-13	1.60630E-11	-4.32321E-12	1.41007E-07	3.84763E-13	6.89013E-11	-2.13848E-12
39	1.29959E-07	-2.39540E-12	-9.25947E-12	-4.75152E-12	1.21497E-07	-6.51826E-13	5.64976E-11	-5.81627E-13
40	1.11583E-07	-1.78374E-12	-1.68901E-11	-6.35937E-12	1.07803E-07	-5.14090E-13	4.85370E-11	-7.18116E-13
41	1.01587E-07	-1.52060E-12	-1.14024E-11	-4.99320E-12	9.84585E-08	0.00000E+00	4.91049E-11	0.00000E+00
42	1.09659E-07	-9.70417E-13	-9.89707E-12	-5.42882E-12	1.07771E-07	-2.60916E-14	5.26053E-11	-1.81378E-14
43	2.07519E-07	-2.22185E-13	2.19379E-11	-2.95956E-12	2.32500E-07	-2.21422E-13	1.13935E-10	-8.32874E-14
44	2.09449E-07	-5.25262E-13	2.34190E-11	-1.95885E-12	2.17658E-07	-8.13945E-15	1.07822E-10	-6.48438E-14
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	2.90120E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.96066E-07	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.56271E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.75152E-01	0.00000E+00	0.00000E+00
4	4.04349E-04	1.08932E-04	6.94079E-06	1.51819E-07	0.00000E+00	3.72282E-01	6.50107E-03	2.73550E-05
5	6.14804E-05	-5.54864E-05	-5.81328E-06	-1.84063E-07	1.00000E+00	3.61625E-03	-3.59283E-03	-2.33075E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 8	SAME AS ABOVE						
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.45540E-06	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10060E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.70960E-17	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.48490E-17	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.11410E-18	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.92410E-16	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.38180E-13	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.51930E-13	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.69760E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.37330E-17	0.00000E+00	0.00000E+00	0.00000E+00
					7.59710E-17	0.00000E+00	0.00000E+00	0.00000E+00

19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.84520E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.60980E-18	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.27010E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.39550E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.50420E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10060E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.70960E-17	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.48490E-17	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.11410E-18	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.92410E-16	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.38180E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.51930E-13	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.69760E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.37330E-17	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.59710E-17	2.63444E-10	-2.30274E-10	-9.72538E-11
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.84520E-18	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.60980E-18	1.36996E-10	-1.22113E-10	-4.71951E-11
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00431E-09	-4.83102E-11	-3.53080E-11
38	1.28973E-14	-2.90425E-15	-2.56525E-14	-1.24750E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	3.21045E-14	-2.36914E-14	-3.77289E-14	8.64170E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	3.13927E-13	-3.40643E-14	-6.77853E-13	-6.38927E-14	0.00000E+00	5.16193E-08	0.00000E+00	1.58807E-12
41	9.19079E-13	-4.70119E-14	-2.07301E-12	-2.15663E-13	0.00000E+00	9.82568E-08	0.00000E+00	3.07053E-12
42	1.30010E-12	-1.58052E-13	-2.77052E-12	-2.46976E-13	0.00000E+00	6.94614E-08	0.00000E+00	2.17071E-12
43	1.74166E-12	4.09421E-13	-3.52587E-12	-1.68736E-12	0.00000E+00	5.42422E-08	0.00000E+00	1.69506E-12
44	2.50217E-12	-1.33835E-14	-5.77926E-12	-7.42740E-13	0.00000E+00	6.22790E-08	0.00000E+00	1.94356E-12
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	7.21281E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.60019E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.86725E-07	7.38057E-01	1.53002E+00	1.75899E+00	1.37573E+00
5	-2.02459E-07	6.34715E-01	1.15635E+00	4.83541E-01	-8.23639E-01
6	0.00000E+00	2.48401E-01	3.05757E-01	-2.95190E-01	-7.34701E-01
7	0.00000E+00	1.17134E-01	9.93879E-02	-2.19857E-01	-2.96104E-01
8	0.00000E+00	4.46880E-02	2.43518E-02	-1.00072E-01	-7.97801E-02
9	0.00000E+00	1.59929E-02	5.21778E-03	-3.85175E-02	-1.78668E-02
10	0.00000E+00	7.23581E-03	1.67291E-03	-1.77576E-02	-5.79240E-03
11	0.00000E+00	3.31806E-03	5.74936E-04	-8.21027E-03	-2.00046E-03
12	0.00000E+00	1.77411E-03	2.55421E-04	-4.40439E-03	-8.90444E-04
13	0.00000E+00	1.35504E-03	1.84050E-04	-3.36675E-03	-6.41938E-04
14	0.00000E+00	1.22759E-03	1.63909E-04	-3.05066E-03	-5.71778E-04
15	0.00000E+00	1.05020E-03	1.37097E-04	-2.61047E-03	-4.78305E-04
16	0.00000E+00	8.11684E-04	1.03000E-04	-2.01829E-03	-3.59428E-04
17	0.00000E+00	5.22732E-04	6.50466E-05	-1.30010E-03	-2.27010E-04
18	0.00000E+00	2.74674E-04	3.49822E-05	-6.82983E-04	-1.22068E-04
19	0.00000E+00	1.40347E-04	1.93788E-05	-3.48611E-04	-6.75811E-05
20	0.00000E+00	6.77061E-05	1.06922E-05	-1.67844E-04	-3.72410E-05
21	0.00000E+00	4.06342E-05	7.21080E-06	-1.00500E-04	-2.50822E-05
22	0.00000E+00	2.69482E-05	5.28957E-06	-6.64889E-05	-1.83728E-05
23	0.00000E+00	1.86965E-05	4.04283E-06	-4.59961E-05	-1.40189E-05
24	0.00000E+00	1.39512E-05	3.26852E-06	-3.42242E-05	-1.13146E-05
25	0.00000E+00	1.09619E-05	2.75029E-06	-2.68147E-05	-9.50518E-06
26	0.00000E+00	8.93866E-06	2.37662E-06	-2.18055E-05	-8.20040E-06
27	0.00000E+00	5.93709E-06	1.77859E-06	-1.43861E-05	-6.11257E-06
28	0.00000E+00	4.09086E-06	1.37097E-06	-9.83351E-06	-4.68969E-06
29	0.00000E+00	3.11593E-06	1.13423E-06	-7.43583E-06	-3.86353E-06
30	0.00000E+00	2.42755E-06	9.53084E-07	-5.74785E-06	-3.23180E-06
31	0.00000E+00	2.08119E-06	8.56493E-07	-4.90044E-06	-2.89511E-06

32	0.00000E+00	1.99032E-06	8.30371E-07	-4.67863E-06	-2.80392E-06
33	0.00000E+00	1.91630E-06	8.08656E-07	-4.49789E-06	-2.72831E-06
34	-8.92434E-12	1.71200E-06	7.47334E-07	-3.99986E-06	-2.51480E-06
35	0.00000E+00	1.46453E-06	6.70153E-07	-3.39807E-06	-2.24608E-06
36	-4.49780E-12	1.17634E-06	5.74522E-07	-2.69969E-06	-1.91334E-06
37	-1.09256E-12	9.64565E-07	6.74728E-07	-1.91324E-06	-1.90514E-06
38	0.00000E+00	6.92727E-07	5.70452E-07	-1.24412E-06	-1.50230E-06
39	0.00000E+00	4.95737E-07	4.42593E-07	-8.36875E-07	-1.12600E-06
40	0.00000E+00	3.56699E-07	3.43976E-07	-5.59919E-07	-8.42215E-07
41	0.00000E+00	2.71984E-07	2.78671E-07	-3.99472E-07	-6.63315E-07
42	0.00000E+00	2.01102E-07	2.19991E-07	-2.69587E-07	-5.01282E-07
43	0.00000E+00	1.32855E-07	1.56135E-07	-1.57155E-07	-3.37363E-07
44	0.00000E+00	1.51065E-10	-2.00949E-12	-3.27809E-10	-4.56459E-11
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 42

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	6.24515E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.34967E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	1.58883E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	7.43993E-01	0.00000E+00	0.00000E+00	0.00000E+00	9.88664E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.13805E-01	1.00480E-02	5.43603E-04	1.10095E-05	9.28700E-01	8.07425E-02	1.51299E-03	1.29073E-05
5	3.42845E-03	-3.17113E-03	-2.50745E-04	-6.67546E-06	2.77786E-02	-2.70719E-02	-7.00180E-04	-6.49773E-06
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 11 SAME AS ABOVE								
12	1.39827E-10	-1.85515E-11	-8.25701E-13	-9.15187E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14 THROUGH 16 SAME AS ABOVE								
17	6.29532E-14	-1.68410E-14	-1.61657E-15	-3.84489E-16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	5.82790E-12	-9.33728E-12	5.80940E-12	-3.61414E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	2.57305E-13	-6.36934E-14	-2.94079E-15	2.03888E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	6.21662E-14	-3.81619E-14	-4.65897E-15	1.53401E-16	4.67043E-12	-3.39145E-12	-3.44982E-12	-1.31669E-12
21	7.83790E-14	-5.02894E-14	-1.37017E-14	-9.05598E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	1.66575E-14	-1.11492E-14	-3.96976E-15	-2.02849E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	2.61305E-14	-4.63545E-15	-1.32911E-15	-1.12217E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	1.20070E-11	1.09436E-11	1.04243E-11	9.99771E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	1.81154E-10	1.52140E-10	1.35254E-10	1.21332E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	1.31575E-11	8.82059E-12	6.66724E-12	5.28432E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	1.61787E-11	1.78621E-12	-1.69432E-12	-1.02038E-12	7.35068E-09	4.14451E-09	5.56833E-10	-5.58087E-09
28	6.93325E-12	4.17185E-12	2.63847E-12	1.61959E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	8.93716E-12	2.23533E-12	1.78395E-12	1.42312E-12	3.63679E-10	-1.81883E-10	-1.93929E-10	1.67517E-10
30	6.13679E-12	4.68965E-12	3.73870E-12	2.95661E-12	3.11328E-10	-9.13206E-11	-5.48881E-10	-6.90994E-11
31	6.07919E-12	5.12580E-12	4.47183E-12	3.87567E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	6.24910E-12	5.58707E-12	5.16033E-12	4.74775E-12	1.89124E-11	-3.31685E-12	-3.04026E-11	-1.12610E-11
33	6.28488E-12	5.72166E-12	5.37349E-12	5.02575E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	6.32363E-12	5.83979E-12	5.54884E-12	5.27131E-12	4.24151E-11	-8.11986E-12	-7.16801E-11	-2.54599E-11
35	6.34381E-12	6.04066E-12	5.89854E-12	5.74966E-12	3.68304E-11	-7.74502E-12	-6.08208E-11	-2.24333E-11
36	6.26085E-12	6.10116E-12	6.08878E-12	6.04209E-12	1.08216E-10	-1.51589E-11	-1.81774E-10	-8.13948E-11
37	5.70521E-12	5.26773E-12	4.98448E-12	4.74841E-12	1.14102E-09	-1.97357E-11	-2.21707E-10	-9.37734E-11
38	8.31712E-12	3.28938E-12	2.65251E-12	2.13616E-12	2.20241E-08	-3.05584E-12	-8.05408E-11	-4.05832E-11
39	8.04978E-12	1.70006E-12	1.16044E-12	8.00469E-13	3.16340E-08	0.00000E+00	1.00199E-11	0.00000E+00
40	3.64868E-09	1.10297E-09	3.90480E-10	8.39585E-11	2.76099E-08	-4.18451E-14	7.11550E-12	-3.78028E-13
41	5.43369E-10	2.85775E-10	1.06701E-10	8.09178E-11	2.42191E-08	0.00000E+00	7.65287E-12	0.00000E+00
42	4.35861E-10	2.19682E-10	1.14485E-10	5.86058E-11	2.22961E-08	5.32963E-14	4.14555E-12	-4.70004E-13
43	3.66738E-10	2.06868E-10	1.23978E-10	7.52650E-11	2.35921E-08	6.74298E-14	3.39420E-12	-7.10765E-13
44	3.63980E-10	2.17995E-10	1.33135E-10	8.54078E-11	4.78063E-08	1.51538E-12	1.19219E-11	-3.02915E-12
45	3.04944E-10	1.61227E-10	7.41758E-11	4.89369E-11	4.57209E-08	3.32998E-13	6.17391E-12	-1.88059E-12
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16

1	1.59853E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.32992E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.27232E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02081E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.19799E+00	1.01414E-01	1.79751E-03	1.19010E-05	9.59117E-01	8.40744E-02	1.60680E-03	1.57450E-05
5	3.48909E-02	-3.40497E-02	-8.34607E-04	-6.58334E-06	2.89178E-02	-2.81683E-02	-7.41977E-04	-7.57303E-06
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 19	SAME AS ABOVE							
20	3.43241E-12	-2.43015E-12	-2.70465E-12	-9.66416E-13	2.08356E-12	-1.51299E-12	-1.53903E-12	-5.87399E-13
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22 THROUGH 24	SAME AS ABOVE							
25	3.42148E-12	-1.65443E-12	-4.11831E-12	-1.37953E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	3.31162E-09	1.85720E-09	2.36537E-10	-2.51128E-09	1.09543E-08	6.17731E-09	8.31402E-10	-8.31717E-09
28	1.95001E-12	-6.48556E-13	-3.01169E-12	-7.76399E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	8.34754E-10	-3.13807E-10	-2.15011E-10	6.10328E-10	1.89726E-13	-6.71973E-14	-2.76348E-13	-8.74410E-14
30	2.14076E-10	-6.28199E-11	-3.77310E-10	-4.75813E-11	1.13324E-10	-3.32307E-11	-1.99772E-10	-2.52076E-11
31	5.19880E-12	-1.42349E-12	-7.78579E-12	-3.12775E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	1.42317E-11	-2.17618E-12	-2.39978E-11	-7.14738E-12	8.71869E-12	-1.29158E-12	-1.33003E-11	-4.76353E-12
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	5.45538E-11	-1.06831E-11	-9.15723E-11	-3.28540E-11	3.01191E-12	-5.96447E-13	-4.99370E-12	-1.87276E-12
35	5.97709E-11	-4.97324E-13	-8.08401E-11	-4.78226E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	9.20421E-10	-5.47741E-11	-6.58427E-10	-2.94116E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	4.95477E-09	-1.38566E-11	-1.46086E-10	-5.94991E-11	2.44733E-10	-2.50376E-11	-2.90939E-10	-1.25151E-10
38	3.43288E-08	-1.39553E-12	-3.77695E-11	-1.83880E-11	8.49087E-09	-4.65956E-12	-1.27314E-10	-6.12190E-11
39	3.10030E-08	0.00000E+00	4.50018E-12	0.00000E+00	2.98756E-08	0.00000E+00	1.49335E-11	0.00000E+00
40	2.75341E-08	3.51974E-14	-1.35677E-12	-1.42178E-12	2.57411E-08	-1.54257E-14	1.22929E-11	-1.39304E-13
41	2.36352E-08	1.66083E-13	-1.91297E-12	-1.61809E-12	2.28395E-08	0.00000E+00	1.14057E-11	0.00000E+00
42	2.14708E-08	1.29948E-13	-2.33229E-12	-1.73151E-12	2.08603E-08	0.00000E+00	1.04037E-11	0.00000E+00
43	2.32307E-08	2.23600E-13	-2.00831E-12	-1.83899E-12	2.28054E-08	7.14859E-18	1.12027E-11	0.00000E+00
44	4.40646E-08	1.22835E-13	5.31931E-12	-7.58229E-13	4.92114E-08	0.00000E+00	2.45491E-11	0.00000E+00
45	4.43320E-08	9.55835E-15	6.28236E-12	-2.24623E-13	4.60566E-08	0.00000E+00	2.29621E-11	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	4.73880E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	9.68810E-07	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.58322E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.75152E-01	0.00000E+00	0.00000E+00
4	3.71699E-04	1.38632E-04	1.00366E-05	2.59557E-07	0.00000E+00	3.70368E-01	8.41956E-03	3.97752E-05
5	4.90223E-05	-4.42486E-05	-4.62835E-06	-1.51704E-07	1.00000E+00	2.88093E-03	-2.86232E-03	-1.85309E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.55830E-06	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8	SAME AS ABOVE							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.69660E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.19590E-17	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20710E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04580E-17	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.12340E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.21510E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.39300E-12	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.77580E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.45290E-17	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.27560E-17	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.18850E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.49040E-18	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.71220E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.52480E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.36550E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.69660E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.19590E-17	0.00000E+00	0.00000E+00	0.00000E+00

27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20710E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04580E-17	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.12340E-16	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.21510E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.39300E-12	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.77580E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.45290E-17	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.27560E-17	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.18850E-18	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.49040E-18	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.63959E-10	0.00000E+00	8.66700E-18
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	1.63576E-15	-9.76640E-16	-2.24691E-15	2.06361E-16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	2.81802E-14	7.69965E-16	-6.51702E-14	-1.11308E-14	0.00000E+00	1.10309E-08	0.00000E+00	3.36518E-13
42	1.49596E-13	6.61134E-15	-3.51679E-13	-5.83033E-14	0.00000E+00	2.08183E-08	0.00000E+00	6.50569E-13
43	2.19406E-13	8.36258E-15	-5.11382E-13	-8.81694E-14	0.00000E+00	1.47174E-08	0.00000E+00	4.59909E-13
44	3.52203E-13	1.88072E-13	-5.70252E-13	-3.76958E-13	0.00000E+00	1.14924E-08	0.00000E+00	3.59151E-13
45	4.91797E-13	4.21268E-14	-1.16732E-12	-2.38230E-13	0.00000E+00	1.31889E-08	0.00000E+00	4.11707E-13
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.17881E-01	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.64757E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	3.10699E-07	5.44451E-01	1.14236E+00	1.44672E+00	1.40745E+00
5	-1.86718E-07	4.27221E-01	8.00890E-01	4.23113E-01	-4.33938E-01
6	0.00000E+00	1.28629E-01	1.44749E-01	-1.81787E-01	-3.77134E-01
7	0.00000E+00	5.26292E-02	3.75897E-02	-1.08718E-01	-1.18325E-01
8	0.00000E+00	2.48170E-02	1.22865E-02	-5.68679E-02	-4.09277E-02
9	0.00000E+00	9.46833E-03	3.05730E-03	-2.28207E-02	-1.04731E-02
10	0.00000E+00	3.38847E-03	6.85418E-04	-8.35437E-03	-2.37998E-03
11	0.00000E+00	1.53303E-03	2.36090E-04	-3.80201E-03	-8.22607E-04
12	0.00000E+00	7.02986E-04	9.12552E-05	-1.74759E-03	-3.18397E-04
13	0.00000E+00	3.75884E-04	4.62705E-05	-9.34990E-04	-1.61495E-04
14	0.00000E+00	2.87103E-04	3.54947E-05	-7.14106E-04	-1.23878E-04
15	0.00000E+00	2.60093E-04	3.23371E-05	-6.46880E-04	-1.12857E-04
16	0.00000E+00	2.22503E-04	2.80174E-05	-5.53322E-04	-9.77758E-05
17	0.00000E+00	1.71970E-04	2.23068E-05	-4.27516E-04	-7.78259E-05
18	0.00000E+00	1.10751E-04	1.54349E-05	-2.75082E-04	-5.38261E-05
19	0.00000E+00	5.81964E-05	9.33410E-06	-1.44236E-04	-3.25095E-05
20	0.00000E+00	2.97354E-05	5.67659E-06	-7.34240E-05	-1.97302E-05
21	0.00000E+00	1.43459E-05	3.36313E-06	-3.51993E-05	-1.16469E-05
22	0.00000E+00	8.60901E-06	2.35241E-06	-2.09823E-05	-8.11618E-06
23	0.00000E+00	5.70969E-06	1.76325E-06	-1.38149E-05	-6.05848E-06
24	0.00000E+00	3.96130E-06	1.36899E-06	-9.50452E-06	-4.68205E-06
25	0.00000E+00	2.95584E-06	1.11817E-06	-7.03315E-06	-3.80641E-06
26	0.00000E+00	2.32247E-06	9.47754E-07	-5.48038E-06	-3.21153E-06
27	0.00000E+00	1.89380E-06	8.23330E-07	-4.43288E-06	-2.77720E-06
28	0.00000E+00	1.25793E-06	6.21574E-07	-2.88564E-06	-2.07343E-06
29	0.00000E+00	8.66757E-07	4.82187E-07	-1.94065E-06	-1.58744E-06
30	0.00000E+00	6.99301E-07	4.47959E-07	-1.48934E-06	-1.40413E-06
31	0.00000E+00	9.42162E-07	8.75113E-07	-1.53691E-06	-2.19042E-06
32	0.00000E+00	8.04841E-07	7.79640E-07	-1.25733E-06	-1.90222E-06
33	0.00000E+00	7.68850E-07	7.53782E-07	-1.18529E-06	-1.82517E-06
34	0.00000E+00	7.39504E-07	7.31674E-07	-1.13028E-06	-1.77003E-06
35	0.00000E+00	6.58704E-07	6.70482E-07	-9.75719E-07	-1.60356E-06
36	0.00000E+00	5.60974E-07	5.94840E-07	-7.86483E-07	-1.38090E-06
37	0.00000E+00	4.47407E-07	5.00598E-07	-5.79490E-07	-1.12587E-06
38	0.00000E+00	8.72997E-08	1.03962E-07	-1.00372E-07	-2.21652E-07

39	0.00000E+00	8.21890E-13	3.12202E-13	-1.16922E-12	1.83118E-13
40	0.00000E+00	9.32564E-12	-9.43926E-13	-2.04702E-11	-1.58833E-12
41	0.00000E+00	3.09433E-11	3.37700E-12	-6.72808E-11	-1.82832E-11
42	0.00000E+00	2.08692E-13	-6.88028E-15	-4.81131E-13	-4.50235E-14
43	0.00000E+00	1.80418E-13	-6.99394E-15	-4.13450E-13	-3.95209E-14
44	0.00000E+00	2.74545E-12	1.10198E-13	-6.31848E-12	-1.23388E-12
45	0.00000E+00	8.06647E-12	7.04891E-13	-1.89329E-11	-4.25677E-12
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 43

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	1.55740E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.10183E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	5.81884E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	9.44994E-02	0.00000E+00	0.00000E+00	0.00000E+00	9.97347E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	7.46955E-02	9.19464E-03	-4.91832E-04	7.38629E-03	9.42029E-01	8.22800E-02	-2.26768E-02	9.77219E-02
5	5.66497E-03	-5.23525E-03	-4.18822E-04	-1.10093E-05	4.64605E-02	-4.52801E-02	-1.16982E-03	-1.08364E-05
6	2.54459E-08	-6.20045E-08	6.54459E-08	-3.90816E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 12 SAME AS ABOVE								
13	3.47449E-11	-6.95612E-12	-4.64164E-13	-7.33338E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15 THROUGH 17 SAME AS ABOVE								
18	1.60502E-14	-6.05482E-15	-7.17381E-16	-1.65858E-16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	3.59089E-13	-1.57727E-13	-2.17056E-14	-6.87577E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	7.15372E-14	-3.56513E-16	8.66130E-15	4.15142E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	1.34035E-14	-1.00435E-14	-2.11200E-15	-1.52731E-15	1.84105E-12	-1.11194E-12	-1.86374E-12	-5.81172E-13
22	8.30301E-15	-5.97475E-15	-1.98620E-15	-1.87610E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	3.57377E-15	-2.57316E-15	-9.39404E-16	-1.00998E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	3.62704E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	4.48289E-12	2.74498E-12	1.78607E-12	1.18594E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	6.73616E-11	3.81672E-11	2.29886E-11	1.40848E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	4.11359E-12	2.20619E-12	1.27381E-12	7.37840E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	3.20291E-12	1.15133E-12	1.11678E-12	5.98120E-13	2.96667E-09	2.64849E-09	3.61592E-09	4.11396E-09
29	1.74105E-12	1.05550E-12	6.81624E-13	4.05615E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	1.49708E-12	1.01551E-12	7.21617E-13	5.37648E-13	1.46463E-10	-8.29828E-11	-1.72416E-10	-3.08242E-11
31	1.52414E-12	1.16465E-12	9.28490E-13	7.34286E-13	1.57224E-10	-2.28830E-11	-3.06063E-10	-6.28211E-11
32	1.50978E-12	1.27303E-12	1.11061E-12	9.62542E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	1.55199E-12	1.38755E-12	1.28157E-12	1.17909E-12	7.88762E-12	8.36210E-14	-1.44265E-11	-7.49993E-12
34	1.56084E-12	1.42096E-12	1.33454E-12	1.24814E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	1.56812E-12	1.45079E-12	1.38219E-12	1.31059E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	1.57298E-12	1.50079E-12	1.46908E-12	1.42947E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	1.55485E-12	1.51521E-12	1.51218E-12	1.50058E-12	2.80947E-11	1.94406E-12	-5.18929E-11	-2.93618E-11
38	1.41439E-12	1.30908E-12	1.24172E-12	1.18054E-12	5.89389E-10	6.00503E-13	-3.06830E-11	-1.52158E-11
39	3.37941E-12	8.17014E-13	6.61764E-13	5.31948E-13	1.24389E-08	1.03217E-14	7.40466E-13	-1.06939E-13
40	3.68002E-12	3.79333E-13	2.55849E-13	1.76151E-13	1.79024E-08	0.00000E+00	5.67055E-12	0.00000E+00
41	1.31776E-09	2.74400E-10	7.77447E-11	2.00355E-11	1.56246E-08	0.00000E+00	4.87790E-12	0.00000E+00
42	1.38761E-10	7.15428E-11	2.08409E-11	1.79816E-11	1.37061E-08	0.00000E+00	4.33089E-12	0.00000E+00
43	1.09423E-10	5.45374E-11	2.83907E-11	1.45382E-11	1.26153E-08	7.84665E-14	2.50998E-12	-3.61889E-13
44	9.15441E-11	5.09022E-11	3.04406E-11	1.84715E-11	1.33183E-08	9.88111E-14	2.39991E-12	-4.75882E-13
45	9.19042E-11	5.32710E-11	3.37081E-11	2.11187E-11	2.70136E-08	8.48690E-13	7.41347E-12	-5.89127E-13
46	7.39882E-11	3.70867E-11	1.82851E-11	1.11805E-11	2.57895E-08	3.80203E-13	3.50838E-12	-1.58394E-12
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	2.49488E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.07607E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.28229E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02978E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.21433E+00	1.04027E-01	-2.92155E-02	1.26264E-01	9.73269E-01	8.54799E-02	-2.34567E-02	1.00811E-01
5	5.83277E-02	-5.69233E-02	-1.39432E-03	-1.09578E-05	4.83870E-02	-4.71347E-02	-1.23987E-03	-1.26735E-05

6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 20	SAME AS ABOVE							
21	1.23017E-12	-7.29969E-13	-1.27895E-12	-3.86471E-13	8.21324E-13	-4.96055E-13	-8.31447E-13	-2.59271E-13
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23 THROUGH 25	SAME AS ABOVE							
26	1.00957E-12	-3.48381E-13	-1.42052E-12	-5.38282E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	1.33717E-09	1.18849E-09	1.61652E-09	1.84440E-09	4.42147E-09	3.94727E-09	5.38911E-09	6.13137E-09
29	2.58545E-13	-3.85619E-14	-5.11566E-13	-9.06851E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	3.16739E-10	-1.90141E-10	-3.57379E-10	-5.51584E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	1.08002E-10	-1.57189E-11	-2.10243E-10	-4.31535E-11	5.71527E-11	-8.31820E-12	-1.11257E-10	-2.28361E-11
32	1.41734E-12	-1.35769E-13	-2.34482E-12	-1.24353E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	6.33715E-12	-6.39910E-15	-1.22447E-11	-5.06918E-12	3.54229E-12	1.61450E-14	-6.45586E-12	-3.33891E-12
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	9.87298E-13	-4.04627E-14	-1.69500E-12	-9.07928E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	5.08075E-12	7.83726E-12	8.50092E-12	4.86107E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	4.01020E-10	7.01692E-12	-1.88156E-10	-1.06149E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	2.76774E-09	2.18089E-13	-1.69037E-11	-8.39064E-12	6.58241E-11	8.94980E-13	-4.57294E-11	-2.26774E-11
39	1.94174E-08	1.77258E-14	-5.69113E-13	-1.83649E-13	4.76540E-09	7.50436E-14	-3.00597E-12	-7.77495E-13
40	1.75451E-08	0.00000E+00	2.54677E-12	0.00000E+00	1.69074E-08	0.00000E+00	8.45130E-12	0.00000E+00
41	1.55817E-08	1.44008E-13	2.76163E-13	-7.75417E-13	1.45672E-08	0.00000E+00	7.26995E-12	0.00000E+00
42	1.33750E-08	1.40243E-13	2.71410E-13	-7.06774E-13	1.29254E-08	0.00000E+00	6.45469E-12	0.00000E+00
43	1.21415E-08	2.28802E-13	-6.92117E-13	-1.14301E-12	1.18055E-08	0.00000E+00	5.88786E-12	0.00000E+00
44	1.31091E-08	8.29991E-14	9.92673E-13	-4.10292E-13	1.28781E-08	2.68273E-18	6.32611E-12	0.00000E+00
45	2.48884E-08	5.91274E-14	3.67564E-12	-2.56306E-13	2.78085E-08	0.00000E+00	1.38724E-11	0.00000E+00
46	2.50237E-08	0.00000E+00	3.90129E-12	0.00000E+00	2.59673E-08	0.00000E+00	1.29462E-11	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	7.37817E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.50391E-06	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.61111E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.75185E-01	0.00000E+00	0.00000E+00
4	3.93290E-04	1.21327E-04	9.91446E-06	5.57641E-05	0.00000E+00	3.71622E-01	1.22628E-02	-6.66867E-03
5	8.18947E-05	-7.39233E-05	-7.72442E-06	-2.59525E-07	1.00000E+00	4.81155E-03	-4.78054E-03	-3.09508E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.56840E-06	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8	SAME AS ABOVE							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.58910E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.44550E-17	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.83970E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55070E-17	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.84890E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.41550E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.16570E-12	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.31540E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.29930E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.97030E-17	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.61110E-18	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.83410E-18	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.77130E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.55630E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.14510E-01	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.58910E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.44550E-17	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.83970E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55070E-17	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.84890E-16	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.41550E-14	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.16570E-12	0.00000E+00	0.00000E+00	0.00000E+00

32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.31540E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.29930E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.97030E-17	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.61110E-18	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.83410E-18	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 38	SAME AS ABOVE							
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.49381E-10	0.00000E+00	3.57105E-18
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41 THROUGH 41	SAME AS ABOVE							
42	9.73319E-15	8.94160E-16	-2.28593E-14	-5.25441E-15	0.00000E+00	6.24242E-09	0.00000E+00	1.90427E-13
43	7.48844E-14	9.73366E-15	-1.78703E-13	-4.48918E-14	0.00000E+00	1.17814E-08	0.00000E+00	3.68158E-13
44	9.65063E-14	1.22566E-14	-2.28834E-13	-5.90325E-14	0.00000E+00	8.32883E-09	0.00000E+00	2.60274E-13
45	1.71138E-13	1.05277E-13	-2.35013E-13	-7.30804E-14	0.00000E+00	6.50371E-09	0.00000E+00	2.03244E-13
46	2.70492E-13	4.74325E-14	-6.45746E-13	-1.97624E-13	0.00000E+00	7.45223E-09	0.00000E+00	2.32884E-13
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.83607E-01	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.72032E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.75853E-02	6.98247E-01	1.43757E+00	1.63722E+00	1.32506E+00
5	-3.10689E-07	6.36309E-01	1.22494E+00	7.61476E-01	-4.90012E-01
6	0.00000E+00	2.29319E-01	3.06783E-01	-2.15232E-01	-6.67192E-01
7	0.00000E+00	7.27923E-02	5.42755E-02	-1.47012E-01	-1.68213E-01
8	0.00000E+00	2.97835E-02	1.41775E-02	-6.86800E-02	-4.73634E-02
9	0.00000E+00	1.40446E-02	4.68409E-03	-3.37754E-02	-1.60304E-02
10	0.00000E+00	5.35826E-03	1.20016E-03	-1.31642E-02	-4.15758E-03
11	0.00000E+00	1.91755E-03	2.91025E-04	-4.75680E-03	-1.01414E-03
12	0.00000E+00	8.67547E-04	1.11567E-04	-2.15692E-03	-3.89281E-04
13	0.00000E+00	3.97841E-04	4.96505E-05	-9.89470E-04	-1.73272E-04
14	0.00000E+00	2.12718E-04	2.84596E-05	-5.28615E-04	-9.92760E-05
15	0.00000E+00	1.62475E-04	2.29142E-05	-4.03480E-04	-7.98985E-05
16	0.00000E+00	1.47190E-04	2.12179E-05	-3.65416E-04	-7.39701E-05
17	0.00000E+00	1.25918E-04	1.88320E-05	-3.12435E-04	-6.56328E-05
18	0.00000E+00	9.73218E-05	1.55527E-05	-2.41215E-04	-5.41695E-05
19	0.00000E+00	6.26772E-05	1.13284E-05	-1.54961E-04	-3.93992E-05
20	0.00000E+00	3.29345E-05	7.24633E-06	-8.09842E-05	-2.51230E-05
21	0.00000E+00	1.68278E-05	4.57987E-06	-4.10093E-05	-1.57955E-05
22	0.00000E+00	8.11881E-06	2.78516E-06	-1.94821E-05	-9.52097E-06
23	0.00000E+00	4.87214E-06	1.97249E-06	-1.15015E-05	-6.68179E-06
24	0.00000E+00	3.23121E-06	1.48894E-06	-7.49439E-06	-4.99308E-06
25	0.00000E+00	2.24174E-06	1.16193E-06	-5.09230E-06	-3.85168E-06
26	0.00000E+00	1.90492E-06	1.23674E-06	-3.97387E-06	-3.72153E-06
27	0.00000E+00	2.02388E-06	1.70825E-06	-3.57204E-06	-4.45420E-06
28	0.00000E+00	1.64390E-06	1.46697E-06	-2.77674E-06	-3.73265E-06
29	0.00000E+00	1.08146E-06	1.07718E-06	-1.64041E-06	-2.59771E-06
30	0.00000E+00	7.36674E-07	8.10434E-07	-9.79732E-07	-1.84182E-06
31	0.00000E+00	5.16205E-07	6.08467E-07	-6.07559E-07	-1.31175E-06
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33 THROUGH 38	SAME AS ABOVE				
39	0.00000E+00	7.45088E-11	2.32958E-12	-1.75073E-10	-2.61900E-11
40	0.00000E+00	1.32237E-13	1.45824E-15	-3.12367E-13	-3.51826E-14
41	0.00000E+00	4.13599E-12	2.00073E-13	-9.88562E-12	-1.41931E-12
42	0.00000E+00	1.04205E-11	2.05721E-12	-2.31114E-11	-9.10945E-12
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44 THROUGH 45	SAME AS ABOVE				
46	0.00000E+00	1.23951E-12	2.31425E-13	-2.93579E-12	-9.80158E-13
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48 THROUGH 70	SAME AS ABOVE				

0 CROSS SECTIONS FOR GRP. 44

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	3.41906E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.23725E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	6.10013E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.48357E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.00924E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.00764E-01	1.06095E-02	-1.73185E-03	8.13771E-03	9.34498E-01	8.42663E-02	-1.92913E-02	8.25101E-02
5	4.22916E-03	-3.84868E-03	-4.24716E-04	2.08077E-04	3.42804E-02	-3.25851E-02	-1.58801E-03	6.12667E-04
6	2.39581E-10	-7.08519E-10	1.14737E-09	-1.53781E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	THROUGH 13	SAME AS ABOVE						
14	4.23676E-12	-1.35387E-12	-1.46916E-13	-2.88306E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	THROUGH 18	SAME AS ABOVE						
19	1.70458E-15	-8.85245E-16	-1.83155E-16	-1.22800E-16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	2.67211E-14	-1.70618E-14	-3.92154E-15	-5.05061E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
21	1.33510E-14	1.01777E-15	3.05928E-16	-1.41387E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	7.61377E-16	-5.04205E-16	-3.47271E-16	-3.94439E-17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	5.77151E-16	-2.61998E-16	-3.49302E-16	-9.88715E-17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	7.19523E-13	3.35463E-13	1.61070E-13	7.53757E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	1.09591E-11	4.65913E-12	2.04604E-12	8.69875E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	5.52762E-13	2.43427E-13	1.13329E-13	5.15173E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	1.91641E-13	4.55917E-14	-1.05475E-14	1.86775E-14	3.31260E-10	-2.04302E-10	-3.69248E-10	-2.95885E-11
30	1.15631E-13	7.64179E-14	4.84059E-14	3.79025E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	9.33471E-14	6.26308E-14	4.22161E-14	3.22063E-14	1.55873E-11	-5.18369E-12	-2.20894E-11	-7.61426E-12
32	9.38625E-14	7.17260E-14	5.71809E-14	4.52195E-14	4.44662E-11	1.00414E-12	-9.24543E-11	-3.12657E-11
33	9.29771E-14	7.83940E-14	6.83915E-14	5.92756E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	9.55757E-14	8.54502E-14	7.89214E-14	7.26143E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	9.61207E-14	8.75097E-14	8.21864E-14	7.68667E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	9.65696E-14	8.93429E-14	8.51192E-14	8.07104E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	9.68713E-14	9.24233E-14	9.04715E-14	8.80312E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	9.57559E-14	9.33138E-14	9.31256E-14	9.24110E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	8.69597E-14	8.06107E-14	7.67405E-14	7.28363E-14	1.74941E-10	2.95184E-21	5.28421E-20	0.00000E+00
40	7.65974E-13	3.72388E-14	3.08273E-14	2.52251E-14	3.81784E-09	1.05876E-14	2.28590E-13	-5.06822E-14
41	9.37179E-13	2.55242E-15	1.02460E-15	5.04188E-16	5.49488E-09	0.00000E+00	1.74120E-12	0.00000E+00
42	2.44482E-10	3.06988E-11	3.73371E-12	1.43445E-12	4.79665E-09	0.00000E+00	1.49785E-12	0.00000E+00
43	8.68776E-12	4.34578E-12	2.46664E-12	1.37684E-12	4.20596E-09	0.00000E+00	1.32989E-12	0.00000E+00
44	7.24482E-12	3.34596E-12	1.72697E-12	8.85478E-13	3.86648E-09	4.43162E-14	7.77505E-13	-1.70204E-13
45	6.09896E-12	3.09731E-12	1.83206E-12	1.11227E-12	4.06295E-09	5.39736E-14	7.92221E-13	-2.07827E-13
46	2.72371E-12	5.61571E-13	3.33037E-13	2.20158E-13	8.08375E-09	8.84161E-14	2.01387E-12	-3.36134E-13
47	2.35216E-12	8.19119E-15	-6.27931E-14	-3.02535E-14	7.74278E-09	2.01456E-13	1.04464E-12	-7.44062E-13
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	3.84655E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.19971E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.29631E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04169E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.20451E+00	1.05950E-01	-2.40591E-02	1.07125E-01	9.65658E-01	8.76692E-02	-2.02505E-02	8.48635E-02
5	4.30215E-02	-4.09400E-02	-1.96848E-03	6.83492E-04	3.57115E-02	-3.39313E-02	-1.65019E-03	6.69960E-04
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 28	SAME AS ABOVE						
29	1.49730E-10	-9.17452E-11	-1.67505E-10	-1.42593E-11	4.93704E-10	-3.04488E-10	-5.50320E-10	-4.40982E-11
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	3.34344E-11	-1.27180E-11	-4.45556E-11	-1.63528E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	3.05450E-11	6.89770E-13	-6.35093E-11	-2.14773E-11	1.61639E-11	3.65015E-13	-3.36081E-11	-1.13654E-11
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	2.77502E-13	2.88328E-14	-6.14621E-13	-2.07795E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

36 THROUGH 37 SAME AS ABOVE								
38	9.18865E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	8.46575E-10	1.06451E-20	1.90563E-19	0.00000E+00	1.22530E-11	0.00000E+00	0.00000E+00	0.00000E+00
40	5.96132E-09	1.81824E-14	-1.72665E-13	-8.70379E-14	1.46265E-09	7.69771E-14	-9.14184E-13	-3.68483E-13
41	5.38596E-09	0.00000E+00	7.82013E-13	0.00000E+00	5.19082E-09	0.00000E+00	2.59506E-12	0.00000E+00
42	4.78368E-09	3.27369E-14	4.33095E-13	-1.37347E-13	4.47270E-09	0.00000E+00	2.23237E-12	0.00000E+00
43	4.10492E-09	0.00000E+00	5.97281E-13	0.00000E+00	3.96796E-09	0.00000E+00	1.98204E-12	0.00000E+00
44	3.70981E-09	4.47902E-14	2.79570E-13	-1.81116E-13	3.62401E-09	0.00000E+00	1.80802E-12	0.00000E+00
45	3.97603E-09	5.64182E-19	5.84717E-13	0.00000E+00	3.94902E-09	4.88552E-19	1.94034E-12	0.00000E+00
46	7.46141E-09	1.52914E-18	1.24691E-12	0.00000E+00	8.29324E-09	0.00000E+00	4.13776E-12	0.00000E+00
47	7.49369E-09	0.00000E+00	1.16685E-12	0.00000E+00	7.76661E-09	0.00000E+00	3.87212E-12	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49 THROUGH 70 SAME AS ABOVE								
0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.13553E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.30878E-06	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.65297E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.75185E-01	0.00000E+00	0.00000E+00
4	3.77965E-04	1.37818E-04	-3.91867E-06	4.36940E-05	0.00000E+00	3.67960E-01	1.09791E-02	-4.59678E-03
5	6.04280E-05	-5.37417E-05	-7.01169E-06	3.77465E-06	1.00000E+00	3.56907E-03	-3.48165E-03	-5.99630E-05
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.49210E-06	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8 SAME AS ABOVE								
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.01470E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46330E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.85030E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.33450E-17	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.50500E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.94280E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.35340E-12	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.68190E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.02060E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46490E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.50150E-17	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.89020E-18	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.93630E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.32010E-06	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.77310E-01	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.01470E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46330E-16	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.85030E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.33450E-17	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.50500E-16	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.94280E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.35340E-12	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.68190E-14	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.02060E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46490E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.50150E-17	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.89020E-18	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 39 SAME AS ABOVE								
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.92281E-11	0.00000E+00	1.20177E-24
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42 THROUGH 42 SAME AS ABOVE								
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.91687E-09	0.00000E+00	5.84717E-14
44	2.27165E-14	5.49736E-15	-5.40380E-14	-2.11136E-14	0.00000E+00	3.61757E-09	0.00000E+00	1.13054E-13
45	2.67046E-14	6.69521E-15	-6.32262E-14	-2.57807E-14	0.00000E+00	2.55751E-09	0.00000E+00	7.99231E-14
46	4.01257E-14	1.09678E-14	-9.45801E-14	-4.16970E-14	0.00000E+00	1.99714E-09	0.00000E+00	6.24110E-14
47	8.18893E-14	2.49904E-14	-1.92701E-13	-9.22999E-14	0.00000E+00	2.27892E-09	0.00000E+00	7.12165E-14

48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	2.82669E-01	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	1.86029E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.72135E-02	6.73342E-01	1.38305E+00	1.52783E+00	1.22208E+00
5	7.69637E-05	4.69847E-01	8.19323E-01	3.64667E-01	-4.11559E-01
6	0.00000E+00	1.84103E-01	2.44262E-01	-1.84241E-01	-5.57651E-01
7	0.00000E+00	7.04170E-02	5.97018E-02	-1.32241E-01	-1.77911E-01
8	0.00000E+00	2.23522E-02	1.06382E-02	-5.15442E-02	-3.55382E-02
9	0.00000E+00	9.14592E-03	2.82069E-03	-2.21259E-02	-9.68876E-03
10	0.00000E+00	4.31260E-03	9.57032E-04	-1.06020E-02	-3.31767E-03
11	0.00000E+00	1.64534E-03	2.62370E-04	-4.07803E-03	-9.13737E-04
12	0.00000E+00	5.88833E-04	7.42267E-05	-1.46427E-03	-2.59014E-04
13	0.00000E+00	2.66403E-04	3.35037E-05	-6.62520E-04	-1.16916E-04
14	0.00000E+00	1.22167E-04	1.75253E-05	-3.03302E-04	-6.10994E-05
15	0.00000E+00	6.53196E-05	1.11883E-05	-1.61692E-04	-3.89425E-05
16	0.00000E+00	4.98913E-05	9.34134E-06	-1.23259E-04	-3.24786E-05
17	0.00000E+00	4.51980E-05	8.75048E-06	-1.11574E-04	-3.04099E-05
18	0.00000E+00	3.86662E-05	7.89576E-06	-9.53084E-05	-2.74167E-05
19	0.00000E+00	2.98848E-05	6.67850E-06	-7.34569E-05	-2.31530E-05
20	0.00000E+00	1.92466E-05	5.01848E-06	-4.70114E-05	-1.73345E-05
21	0.00000E+00	1.01132E-05	3.31247E-06	-2.43657E-05	-1.13528E-05
22	0.00000E+00	5.16731E-06	2.13554E-06	-1.21713E-05	-7.22725E-06
23	0.00000E+00	2.49295E-06	1.31557E-06	-5.64481E-06	-4.35570E-06
24	0.00000E+00	2.07652E-06	1.65686E-06	-3.85695E-06	-4.52223E-06
25	0.00000E+00	1.80523E-06	1.80444E-06	-2.72259E-06	-4.32398E-06
26	0.00000E+00	1.23819E-06	1.36551E-06	-1.64061E-06	-3.09889E-06
27	0.00000E+00	6.81272E-07	8.03065E-07	-8.01749E-07	-1.73115E-06
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29 THROUGH 39 SAME AS ABOVE					
40	0.00000E+00	2.23065E-11	2.59741E-12	-5.32607E-11	-1.24336E-11
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	1.18223E-12	1.47865E-13	-2.85579E-12	-6.40459E-13
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 45

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	3.76126E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.70753E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	2.62531E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.17876E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.02431E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	7.46733E-02	1.03351E-02	-8.94358E-04	5.87758E-03	9.28137E-01	8.60379E-02	-1.54629E-02	6.60853E-02
5	5.67389E-03	-4.55814E-03	-3.81259E-04	3.08871E-04	4.23991E-02	-3.34875E-02	4.20745E-03	2.86730E-03
6	3.15405E-07	-8.22122E-07	1.04258E-06	-9.86701E-07	2.42830E-06	-6.57061E-06	8.87904E-06	-9.00065E-06
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 14 SAME AS ABOVE								
15	9.53111E-13	-4.32953E-13	-6.81931E-14	-2.85637E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17 THROUGH 20 SAME AS ABOVE								
21	1.05796E-15	-7.35652E-16	-2.98380E-16	-1.90089E-16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	4.26156E-15	1.27756E-15	9.32782E-16	1.10289E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24 THROUGH 24 SAME AS ABOVE								
25	1.72926E-16	-8.95870E-17	-4.50287E-17	-1.45500E-17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	1.60547E-13	7.48526E-14	3.59397E-14	1.68189E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	2.44398E-12	1.03893E-12	4.56198E-13	1.93935E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	5.78760E-14	2.51502E-14	1.14662E-14	5.09161E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

30	1.78527E-14	-6.06860E-15	-2.43184E-14	-7.65683E-15	1.25673E-10	-4.27198E-11	-1.71189E-10	-5.39001E-11
31	9.24885E-15	-7.47500E-16	-2.30331E-15	6.32306E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.99761E-11	3.85165E-12	-4.28489E-11	-2.12034E-11
35 THROUGH 39	SAME AS ABOVE							
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.12447E-11	5.15672E-22	9.23127E-21	0.00000E+00
41	3.39987E-13	0.00000E+00	2.99075E-17	0.00000E+00	1.80211E-09	8.60139E-15	1.09028E-13	-3.42955E-14
42	4.37978E-13	1.72672E-16	1.19172E-16	1.57658E-18	2.59487E-09	0.00000E+00	8.22523E-13	0.00000E+00
43	7.57419E-11	6.24647E-12	1.51950E-13	9.46108E-14	2.26396E-09	0.00000E+00	7.07549E-13	0.00000E+00
44	3.86271E-13	0.00000E+00	8.92395E-17	0.00000E+00	1.98537E-09	0.00000E+00	6.28200E-13	0.00000E+00
45	3.18758E-13	3.78075E-15	-1.35540E-14	-1.14778E-14	1.82017E-09	9.29849E-14	2.37677E-13	-2.82288E-13
46	3.11618E-13	4.59832E-15	-1.56189E-14	-1.38785E-14	1.90907E-09	1.13093E-13	2.28681E-13	-3.41333E-13
47	8.58530E-13	7.45153E-15	-2.28736E-14	-2.19810E-14	3.69237E-09	1.83265E-13	7.06200E-13	-5.40608E-13
48	1.10730E-12	1.64136E-14	-4.56369E-14	-4.74725E-14	3.56124E-09	4.03681E-13	6.64463E-14	-1.16755E-12
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	5.59650E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.65386E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.31419E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.05668E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.19675E+00	1.08457E-01	-1.96878E-02	8.56764E-02	9.58829E-01	8.94046E-02	-1.61018E-02	6.79966E-02
5	5.33532E-02	-4.18141E-02	5.29739E-03	3.43784E-03	4.40840E-02	-3.48701E-02	4.45724E-03	3.06062E-03
6	3.60706E-06	-9.74811E-06	1.31392E-05	-1.32642E-05	2.25762E-06	-6.11422E-06	8.27742E-06	-8.41540E-06
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 29	SAME AS ABOVE							
30	5.64428E-11	-1.91864E-11	-7.68847E-11	-2.42078E-11	1.87302E-10	-6.36689E-11	-2.55137E-10	-8.03318E-11
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32 THROUGH 32	SAME AS ABOVE							
33	1.37221E-11	2.64580E-12	-2.94340E-11	-1.45652E-11	7.26151E-12	1.40011E-12	-1.55760E-11	-7.70765E-12
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35 THROUGH 38	SAME AS ABOVE							
39	4.34052E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	3.99182E-10	1.85966E-21	3.32905E-20	0.00000E+00	5.16687E-12	0.00000E+00	0.00000E+00	0.00000E+00
41	2.81503E-09	1.47714E-14	-7.97633E-14	-5.88966E-14	6.90427E-10	6.25362E-14	-4.24219E-13	-2.49345E-13
42	2.54366E-09	0.00000E+00	3.69414E-13	0.00000E+00	2.45175E-09	0.00000E+00	1.22587E-12	0.00000E+00
43	2.25836E-09	0.00000E+00	3.17776E-13	0.00000E+00	2.11212E-09	0.00000E+00	1.05452E-12	0.00000E+00
44	1.93810E-09	0.00000E+00	2.82139E-13	0.00000E+00	1.87384E-09	0.00000E+00	9.36259E-13	0.00000E+00
45	1.72961E-09	0.00000E+00	2.57361E-13	0.00000E+00	1.71187E-09	0.00000E+00	8.54034E-13	0.00000E+00
46	1.85294E-09	1.80288E-19	2.76195E-13	0.00000E+00	1.86531E-09	1.56120E-19	9.16535E-13	0.00000E+00
47	3.39689E-09	7.13499E-21	5.71826E-13	0.00000E+00	3.80228E-09	0.00000E+00	1.89757E-12	0.00000E+00
48	3.41112E-09	0.00000E+00	5.35813E-13	0.00000E+00	3.56606E-09	0.00000E+00	1.77806E-12	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	1.65144E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	3.34770E-06	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.70846E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.75218E-01	0.00000E+00	0.00000E+00
4	3.78567E-04	1.34660E-04	-7.27608E-07	4.04404E-05	0.00000E+00	3.68059E-01	1.33670E-02	-6.69705E-03
5	7.59515E-05	-6.79417E-05	-7.37919E-06	5.11648E-06	1.00000E+00	7.23746E-03	-1.85339E-03	-3.46218E-04
6	1.43964E-09	-3.97722E-09	5.61027E-09	-6.08624E-09	0.00000E+00	1.91657E-06	-5.06262E-06	6.50503E-06
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.34230E-06	0.00000E+00	0.00000E+00	0.00000E+00
8 THROUGH 8	SAME AS ABOVE							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.16380E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.25480E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.38350E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.63570E-17	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.18930E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.83650E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.31460E-12	0.00000E+00	0.00000E+00	0.00000E+00

16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.05900E-13	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.10990E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.26990E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.31140E-17	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.30020E-18	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.41620E+01	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.08970E-06	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.80990E-01	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.16380E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.25480E-16	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.38350E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.63570E-17	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.18930E-15	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.83650E-13	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.31460E-12	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.05900E-13	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.10990E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.26990E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.31140E-17	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.30020E-18	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 43	SAME AS ABOVE							
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.05498E-10	0.00000E+00	2.76196E-14
45	1.98382E-14	1.15346E-14	-4.16001E-14	-3.50174E-14	0.00000E+00	1.70892E-09	0.00000E+00	5.34042E-14
46	2.32674E-14	1.40290E-14	-4.79181E-14	-4.23419E-14	0.00000E+00	1.20810E-09	0.00000E+00	3.77527E-14
47	3.47928E-14	2.27338E-14	-7.03366E-14	-6.70617E-14	0.00000E+00	9.43406E-10	0.00000E+00	2.94810E-14
48	7.09224E-14	5.00760E-14	-1.39750E-13	-1.44833E-13	0.00000E+00	1.07326E-09	0.00000E+00	3.35397E-14
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	4.11023E-01	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	2.07413E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.20001E-02	8.13482E-01	1.61412E+00	1.56186E+00	1.04007E+00
5	9.42450E-06	5.24369E-01	8.28230E-01	2.69224E-01	-4.17205E-01
6	-6.07812E-06	2.08515E-01	2.43872E-01	-1.48161E-01	-3.28486E-01
7	0.00000E+00	8.69652E-02	7.94906E-02	-1.55540E-01	-2.32333E-01
8	0.00000E+00	3.32629E-02	1.95006E-02	-7.32727E-02	-6.34155E-02
9	0.00000E+00	1.05586E-02	3.52046E-03	-2.53934E-02	-1.20483E-02
10	0.00000E+00	4.32017E-03	9.58611E-04	-1.06205E-02	-3.32319E-03
11	0.00000E+00	2.03717E-03	3.40116E-04	-5.04513E-03	-1.18410E-03
12	0.00000E+00	7.77206E-04	1.03125E-04	-1.93163E-03	-3.59757E-04
13	0.00000E+00	2.78148E-04	3.48828E-05	-6.91734E-04	-1.21733E-04
14	0.00000E+00	1.25839E-04	1.80760E-05	-3.12429E-04	-6.30193E-05
15	0.00000E+00	5.77081E-05	1.04803E-05	-1.42663E-04	-3.64475E-05
16	0.00000E+00	3.08553E-05	7.07197E-06	-7.57730E-05	-2.45038E-05
17	0.00000E+00	2.35675E-05	6.00440E-06	-5.76318E-05	-2.07560E-05
18	0.00000E+00	2.13501E-05	5.65350E-06	-5.21166E-05	-1.95229E-05
19	0.00000E+00	1.82649E-05	5.13823E-06	-4.44452E-05	-1.77122E-05
20	0.00000E+00	1.41170E-05	4.39037E-06	-3.41413E-05	-1.50816E-05
21	0.00000E+00	9.09131E-06	3.34122E-06	-2.16903E-05	-1.13883E-05
22	0.00000E+00	4.77720E-06	2.23253E-06	-1.10600E-05	-7.48255E-06
23	0.00000E+00	2.95979E-06	2.09797E-06	-5.91136E-06	-6.06375E-06
24	0.00000E+00	2.13008E-06	2.24213E-06	-3.01026E-06	-5.21140E-06
25	0.00000E+00	6.72456E-07	7.99775E-07	-7.76614E-07	-1.70884E-06
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27 THROUGH 40	SAME AS ABOVE				
41	0.00000E+00	1.04326E-11	2.11014E-12	-2.49019E-11	-8.41356E-12
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

43	0.00000E+00	1.03917E-12	3.53209E-13	-2.43528E-12	-1.20044E-12
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 46

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	1.51165E-01	0.00000E+00	0.00000E+00	0.00000E+00	8.01786E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	2.36384E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	2.31363E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.05828E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	7.83114E-02	7.01410E-03	-6.75849E-04	6.11039E-03	9.60703E-01	5.97555E-02	-1.24831E-02	6.76799E-02
5	5.59002E-03	-4.74858E-03	-6.83841E-04	-7.04258E-05	4.90931E-02	-3.85502E-02	-5.59858E-03	-2.71109E-03
6	7.66760E-07	-1.93352E-06	2.28661E-06	-1.92853E-06	3.01686E-06	-7.97803E-06	1.02865E-05	-9.69283E-06
7	7.43769E-08	-1.99726E-07	2.65950E-07	-2.64181E-07	6.56686E-07	-1.77681E-06	2.40078E-06	-2.43316E-06
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9 THROUGH 15 SAME AS ABOVE								
16	2.44572E-13	-1.67783E-13	-4.63763E-14	-2.44781E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18 THROUGH 22 SAME AS ABOVE								
23	5.55388E-16	1.40882E-16	4.91698E-16	4.11649E-16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25 THROUGH 27 SAME AS ABOVE								
28	3.69880E-14	1.71931E-14	8.23085E-15	3.83967E-15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	5.93267E-13	2.52525E-13	1.11025E-13	4.72687E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31 THROUGH 33 SAME AS ABOVE								
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.30671E-11	5.97948E-12	-2.65789E-11	-2.28842E-11
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36 THROUGH 40 SAME AS ABOVE								
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.11302E-11	0.00000E+00	0.00000E+00	0.00000E+00
42	2.27550E-13	0.00000E+00	1.92004E-17	0.00000E+00	1.20026E-09	1.89558E-14	5.36837E-14	-6.00151E-14
43	2.96106E-13	0.00000E+00	7.93319E-17	0.00000E+00	1.76188E-09	0.00000E+00	5.58456E-13	0.00000E+00
44	1.89220E-11	1.43978E-12	3.50660E-14	2.18061E-14	1.53496E-09	0.00000E+00	4.80419E-13	0.00000E+00
45	2.53457E-13	0.00000E+00	6.05932E-17	0.00000E+00	1.33039E-09	0.00000E+00	4.26545E-13	0.00000E+00
46	2.12023E-13	0.00000E+00	5.52714E-17	0.00000E+00	1.20664E-09	0.00000E+00	3.89082E-13	0.00000E+00
47	1.92732E-13	0.00000E+00	5.30455E-17	0.00000E+00	1.16748E-09	0.00000E+00	3.73413E-13	0.00000E+00
48	5.63444E-13	0.00000E+00	1.22801E-16	0.00000E+00	2.45840E-09	0.00000E+00	8.64459E-13	0.00000E+00
49	7.17355E-13	0.00000E+00	1.15067E-16	0.00000E+00	2.34458E-09	0.00000E+00	8.10015E-13	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	9.53305E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.92772E-02	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.35460E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.09034E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.23726E+00	7.56206E-02	-1.57645E-02	8.74687E-02	9.92977E-01	6.20687E-02	-1.30401E-02	6.97717E-02
5	6.14913E-02	-4.88797E-02	-7.36143E-03	-3.66788E-03	5.12937E-02	-3.99253E-02	-5.76375E-03	-2.77532E-03
6	4.19493E-06	-1.11077E-05	1.43548E-05	-1.35615E-05	3.20495E-06	-8.40618E-06	1.06764E-05	-9.87294E-06
7	9.80141E-07	-2.64856E-06	3.56905E-06	-3.60160E-06	6.08204E-07	-1.64717E-06	2.22994E-06	-2.26698E-06
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9 THROUGH 33 SAME AS ABOVE								
34	8.97613E-12	4.10746E-12	-1.82577E-11	-1.57198E-11	4.75002E-12	2.17360E-12	-9.66169E-12	-8.31866E-12
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36 THROUGH 39 SAME AS ABOVE								
40	2.94721E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	2.68959E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.70872E-12	0.00000E+00	0.00000E+00	0.00000E+00
42	1.90086E-09	3.25532E-14	-7.92189E-14	-1.03066E-13	4.34228E-10	1.37817E-13	-3.90935E-13	-4.36338E-13
43	1.72712E-09	0.00000E+00	2.50815E-13	0.00000E+00	1.66471E-09	0.00000E+00	8.32313E-13	0.00000E+00
44	1.52891E-09	0.00000E+00	2.15767E-13	0.00000E+00	1.43329E-09	0.00000E+00	7.16009E-13	0.00000E+00
45	1.25728E-09	0.00000E+00	1.91571E-13	0.00000E+00	1.27140E-09	0.00000E+00	6.35715E-13	0.00000E+00
46	1.08297E-09	0.00000E+00	1.74745E-13	0.00000E+00	1.16037E-09	0.00000E+00	5.79881E-13	0.00000E+00
47	1.11000E-09	0.00000E+00	1.67708E-13	0.00000E+00	1.12057E-09	0.00000E+00	5.56529E-13	0.00000E+00

48	2.23196E-09	0.00000E+00	3.88248E-13	0.00000E+00	2.58051E-09	0.00000E+00	1.28838E-12	0.00000E+00
49	2.21580E-09	0.00000E+00	3.63796E-13	0.00000E+00	2.41958E-09	0.00000E+00	1.20723E-12	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	2.81188E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.70234E-06	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	4.83843E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.75284E-01	0.00000E+00	0.00000E+00
4	4.32514E-04	8.87715E-05	-2.51999E-06	3.90822E-05	0.00000E+00	3.72018E-01	1.10395E-02	-4.01249E-03
5	7.57523E-05	-6.28373E-05	-8.01904E-06	1.81804E-06	0.00000E+00	7.15761E-03	-5.87489E-03	-1.51651E-03
6	1.37534E-08	-3.39312E-08	3.77459E-08	-2.78798E-08	1.00000E+00	1.88790E-06	-4.92472E-06	6.16225E-06
7	3.88405E-10	-1.07306E-09	1.51368E-09	-1.64211E-09	3.97560E-06	5.22098E-07	-1.37897E-06	1.77144E-06
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.97560E-06	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.91920E-16	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.63560E-16	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.06060E-16	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.88270E-17	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.94580E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.44540E-12	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.69540E-12	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.73260E-13	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.01090E-16	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.67070E-16	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.72450E-17	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.51760E-17	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.31720E+01	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.41880E-06	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.59760E-01	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.91920E-16	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.63560E-16	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.06060E-16	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.88270E-17	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.94580E-15	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.44540E-12	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.69540E-12	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.73260E-13	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.01090E-16	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.67070E-16	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.72450E-17	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.51760E-17	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 44 SAME AS ABOVE								
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.14806E-10	0.00000E+00	1.87533E-14
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.16033E-09	0.00000E+00	3.62615E-14
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.20280E-10	0.00000E+00	2.56338E-14
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.40540E-10	0.00000E+00	2.00169E-14
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.76567E-10	0.00000E+00	2.11423E-14
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	7.00059E-01	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	2.73643E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.62679E-02	1.60062E+00	2.25643E+00	1.19228E+00	5.68734E-01
5	-9.18761E-04	7.20818E-01	7.17964E-01	-1.61638E-01	-4.72920E-01
6	-5.50999E-06	3.16873E-01	2.33872E-01	-2.12644E-01	-2.04671E-01
7	-1.65458E-06	1.33307E-01	7.49501E-02	-1.12988E-01	-8.06032E-02
8	0.00000E+00	5.90484E-02	3.39294E-02	-1.30662E-01	-1.10534E-01
9	0.00000E+00	2.25852E-02	8.41622E-03	-5.37030E-02	-2.85695E-02

10	0.00000E+00	7.16935E-03	1.57915E-03	-1.76227E-02	-5.47202E-03
11	0.00000E+00	2.93334E-03	4.62494E-04	-7.27134E-03	-1.61093E-03
12	0.00000E+00	1.38321E-03	1.82767E-04	-3.43781E-03	-6.37589E-04
13	0.00000E+00	5.27726E-04	6.72982E-05	-1.31214E-03	-2.34820E-04
14	0.00000E+00	1.88860E-04	2.89630E-05	-4.68377E-04	-1.00901E-04
15	0.00000E+00	8.54453E-05	1.71259E-05	-2.10652E-04	-5.94465E-05
16	0.00000E+00	3.91827E-05	1.07402E-05	-9.54005E-05	-3.69969E-05
17	0.00000E+00	2.09501E-05	7.52005E-06	-5.00374E-05	-2.56138E-05
18	0.00000E+00	1.60021E-05	6.45215E-06	-3.77542E-05	-2.18212E-05
19	0.00000E+00	1.44966E-05	6.09434E-06	-3.40248E-05	-2.05481E-05
20	0.00000E+00	1.24016E-05	5.56329E-06	-2.88419E-05	-1.86557E-05
21	0.00000E+00	1.04770E-05	5.88122E-06	-2.28530E-05	-1.81747E-05
22	0.00000E+00	7.96419E-06	6.11592E-06	-1.49329E-05	-1.64732E-05
23	0.00000E+00	4.12488E-06	3.91557E-06	-6.57513E-06	-9.65388E-06
24	0.00000E+00	1.53921E-06	1.74036E-06	-1.95295E-06	-3.86116E-06
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26 THROUGH 41	SAME AS ABOVE				
42	0.00000E+00	9.10184E-12	4.65033E-12	-1.99884E-11	-1.47232E-11
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44 THROUGH 70	SAME AS ABOVE				

0 CROSS SECTIONS FOR GRP. 47

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	8.76792E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.85109E-01	0.00000E+00	0.00000E+00	0.00000E+00
2	1.38581E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.68665E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.16955E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	8.09841E-02	5.71442E-03	-3.89796E-04	6.27467E-03	9.84404E-01	5.19974E-02	-5.78424E-03	7.75480E-02
5	1.88296E-03	-1.33794E-03	-1.83183E-04	-3.46916E-06	1.73769E-02	-1.08683E-02	-1.83298E-03	-4.63789E-04
6	9.46792E-08	-2.42637E-07	2.94849E-07	-2.55948E-07	6.79785E-07	-1.78064E-06	2.24788E-06	-2.04023E-06
7	2.77216E-08	-7.30865E-08	9.35824E-08	-8.70677E-08	1.82312E-07	-4.84385E-07	6.30074E-07	-6.00673E-07
8	4.71887E-09	-1.26708E-08	1.68698E-08	-1.67541E-08	4.24656E-08	-1.14899E-07	1.55241E-07	-1.57319E-07
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10 THROUGH 28	SAME AS ABOVE							
29	4.51418E-16	2.05199E-16	9.60691E-17	4.37377E-17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	4.02227E-15	1.82861E-15	8.56333E-16	3.89960E-16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32 THROUGH 34	SAME AS ABOVE							
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.61178E-12	4.74748E-12	-2.56743E-12	-8.44946E-12
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37 THROUGH 41	SAME AS ABOVE							
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.51926E-12	0.00000E+00	0.00000E+00	0.00000E+00
43	5.35204E-14	0.00000E+00	2.57517E-18	0.00000E+00	2.55466E-10	0.00000E+00	1.81279E-14	0.00000E+00
44	5.40361E-14	0.00000E+00	1.26331E-17	0.00000E+00	2.99200E-10	0.00000E+00	8.89308E-14	0.00000E+00
45	4.16718E-14	1.73504E-17	1.10730E-17	1.22359E-19	2.36280E-10	0.00000E+00	7.65008E-14	0.00000E+00
46	2.88993E-14	0.00000E+00	5.78930E-18	0.00000E+00	1.44760E-10	0.00000E+00	4.07537E-14	0.00000E+00
47	2.67211E-14	0.00000E+00	5.28092E-18	0.00000E+00	1.33361E-10	0.00000E+00	3.71749E-14	0.00000E+00
48	2.44852E-14	0.00000E+00	5.34398E-18	0.00000E+00	1.31789E-10	0.00000E+00	3.76189E-14	0.00000E+00
49	1.16967E-13	0.00000E+00	2.47055E-17	0.00000E+00	4.68969E-10	0.00000E+00	1.73914E-13	0.00000E+00
50	1.72838E-13	0.00000E+00	1.83238E-17	0.00000E+00	3.93827E-10	0.00000E+00	1.28990E-13	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52 THROUGH 70	SAME AS ABOVE							

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	2.20135E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.83034E-01	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	1.48730E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20074E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.26715E+00	6.60762E-02	-6.80870E-03	1.00869E-01	1.01765E+00	5.39284E-02	-6.24170E-03	7.97528E-02
5	2.19885E-02	-1.36822E-02	-2.33106E-03	-5.83268E-04	1.80618E-02	-1.13056E-02	-1.90154E-03	-4.85010E-04
6	9.77204E-07	-2.55430E-06	3.21023E-06	-2.89252E-06	6.65945E-07	-1.74649E-06	2.21034E-06	-2.01442E-06
7	2.59939E-07	-6.90022E-07	8.95850E-07	-8.51404E-07	1.78861E-07	-4.75439E-07	6.19066E-07	-5.91151E-07
8	6.22883E-08	-1.68318E-07	2.26811E-07	-2.28867E-07	3.98921E-08	-1.08035E-07	1.46241E-07	-1.48642E-07

9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	THROUGH 34	SAME AS ABOVE						
35	2.48103E-12	3.26117E-12	-1.76363E-12	-5.80416E-12	1.31292E-12	1.72576E-12	-9.33286E-13	-3.07147E-12
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	THROUGH 40	SAME AS ABOVE						
41	7.41498E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	4.33741E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	4.12851E-10	0.00000E+00	8.14165E-15	0.00000E+00	5.40350E-11	0.00000E+00	2.70175E-14	0.00000E+00
44	2.87891E-10	0.00000E+00	3.99408E-14	0.00000E+00	2.65082E-10	0.00000E+00	1.32541E-13	0.00000E+00
45	2.18286E-10	0.00000E+00	3.43582E-14	0.00000E+00	2.28031E-10	0.00000E+00	1.14016E-13	0.00000E+00
46	1.28687E-10	0.00000E+00	1.83034E-14	0.00000E+00	1.21481E-10	0.00000E+00	6.07386E-14	0.00000E+00
47	1.15490E-10	0.00000E+00	1.66961E-14	0.00000E+00	1.10811E-10	0.00000E+00	5.54049E-14	0.00000E+00
48	1.18647E-10	0.00000E+00	1.68955E-14	0.00000E+00	1.13056E-10	0.00000E+00	5.60665E-14	0.00000E+00
49	3.96945E-10	0.00000E+00	7.81085E-14	0.00000E+00	5.18852E-10	0.00000E+00	2.59198E-13	0.00000E+00
50	3.86697E-10	0.00000E+00	5.79325E-14	0.00000E+00	3.84499E-10	0.00000E+00	1.92245E-13	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	6.49051E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.31404E-05	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	5.31880E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	4.66928E-04	7.13324E-05	2.14053E-06	3.91889E-05	0.00000E+00	3.75944E-01	0.00000E+00	0.00000E+00
5	2.32177E-05	-1.77596E-05	-2.05153E-06	2.90114E-07	0.00000E+00	3.75911E-01	9.46574E-03	-3.36287E-03
6	7.07781E-10	-1.85682E-09	2.35240E-09	-2.15035E-09	1.00000E+00	3.25928E-03	-1.87164E-03	-5.10881E-04
7	1.08597E-10	-2.92238E-10	3.90484E-10	-3.88848E-10	3.67480E-06	3.02137E-07	-7.83461E-07	9.67886E-07
8	2.46671E-11	-6.81442E-11	9.61177E-11	-1.04263E-10	3.67480E-06	1.20665E-07	-3.14757E-07	3.93793E-07
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.67480E-06	3.35199E-08	-8.85406E-08	1.13763E-07
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.75290E-15	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00900E-15	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.95960E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.61170E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.40430E-15	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.76870E-12	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.41520E-11	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.81240E-13	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.39090E-15	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.01900E-15	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.03390E-16	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.19900E-17	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.43590E+01	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.49400E-06	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27700E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.75290E-15	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00900E-15	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.95960E-15	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.61170E-16	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.40430E-15	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.76870E-12	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.41520E-11	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.81240E-13	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.39090E-15	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.01900E-15	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.03390E-16	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.19900E-17	0.00000E+00	0.00000E+00	0.00000E+00
38	THROUGH 45	SAME AS ABOVE						
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.96195E-11	0.00000E+00	2.75671E-15
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.56193E-10	0.00000E+00	8.00584E-15
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.30622E-10	0.00000E+00	4.08210E-15
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02001E-10	0.00000E+00	3.18752E-15

50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.61123E-11	0.00000E+00	3.00349E-15
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52 THROUGH 70 SAME AS ABOVE								

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	1.61643E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
3	0.00000E+00	4.77924E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	2.83124E-02	3.16284E+00	1.99297E+00	4.44055E-01	4.18125E-01
5	-1.10421E-04	4.35759E-01	4.47231E-02	-1.87296E-01	-8.03890E-02
6	-8.47235E-07	1.28833E-01	-5.09619E-03	-5.20424E-02	-5.50715E-03
7	-3.52058E-07	6.30516E-02	3.94065E-03	-2.14250E-02	-3.42877E-03
8	-1.06290E-07	2.67640E-02	4.48786E-03	-8.63529E-03	-1.88917E-03
9	0.00000E+00	1.88057E-02	4.90708E-03	-4.58527E-02	-1.69009E-02
10	0.00000E+00	7.19238E-03	1.33932E-03	-1.77589E-02	-4.64935E-03
11	0.00000E+00	2.28299E-03	-3.28806E-04	-5.66244E-03	-1.14087E-03
12	0.00000E+00	9.34003E-04	1.36380E-04	-2.31254E-03	-4.69133E-04
13	0.00000E+00	4.40294E-04	7.49439E-05	-1.08488E-03	-2.55224E-04
14	0.00000E+00	1.67838E-04	3.92604E-05	-4.07421E-04	-1.30148E-04
15	0.00000E+00	5.99203E-05	2.15015E-05	-1.40130E-04	-6.82983E-05
16	0.00000E+00	2.69884E-05	1.36202E-05	-5.94044E-05	-4.09369E-05
17	0.00000E+00	1.22621E-05	8.56624E-06	-2.41525E-05	-2.37939E-05
18	0.00000E+00	6.46511E-06	5.80950E-06	-1.08600E-05	-1.47644E-05
19	0.00000E+00	4.89438E-06	4.87550E-06	-7.42662E-06	-1.17640E-05
20	0.00000E+00	4.41722E-06	4.56454E-06	-6.40195E-06	-1.07376E-05
21	0.00000E+00	3.75391E-06	4.08816E-06	-5.09000E-06	-9.43609E-06
22	0.00000E+00	1.97203E-06	2.31234E-06	-2.34576E-06	-5.00887E-06
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 48

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	9.48700E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.37276E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	9.66955E-04	2.89305E-03	4.79567E-03	6.65954E-03	4.15591E-03	1.24333E-02	2.06067E-02	2.86086E-02
5	1.11524E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.21649E-06	0.00000E+00	0.00000E+00	0.00000E+00
6	4.82696E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.39310E-06	0.00000E+00	0.00000E+00	0.00000E+00
7	2.83290E-08	0.00000E+00	0.00000E+00	0.00000E+00	8.17528E-07	0.00000E+00	0.00000E+00	0.00000E+00
8	1.94736E-08	0.00000E+00	0.00000E+00	0.00000E+00	5.61887E-07	0.00000E+00	0.00000E+00	0.00000E+00
9	1.26570E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.65194E-07	0.00000E+00	0.00000E+00	0.00000E+00
10	8.13165E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.34566E-07	0.00000E+00	0.00000E+00	0.00000E+00
11	4.98183E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.43798E-07	0.00000E+00	0.00000E+00	0.00000E+00
12	2.82544E-09	0.00000E+00	0.00000E+00	0.00000E+00	8.15194E-08	0.00000E+00	0.00000E+00	0.00000E+00
13	1.81819E-09	0.00000E+00	0.00000E+00	0.00000E+00	5.24382E-08	0.00000E+00	0.00000E+00	0.00000E+00
14	1.25225E-09	0.00000E+00	0.00000E+00	0.00000E+00	3.61075E-08	0.00000E+00	0.00000E+00	0.00000E+00
15	7.71402E-10	0.00000E+00	0.00000E+00	0.00000E+00	2.25358E-08	0.00000E+00	0.00000E+00	0.00000E+00
16	4.76618E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.75565E-08	0.00000E+00	0.00000E+00	0.00000E+00
17	3.31988E-10	0.00000E+00	0.00000E+00	0.00000E+00	2.10212E-08	0.00000E+00	0.00000E+00	0.00000E+00
18	2.41389E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.31319E-08	0.00000E+00	0.00000E+00	0.00000E+00
19	1.95372E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.89457E-08	0.00000E+00	0.00000E+00	0.00000E+00
20	1.82178E-10	0.00000E+00	0.00000E+00	0.00000E+00	9.46942E-09	0.00000E+00	0.00000E+00	0.00000E+00
21	1.77357E-10	0.00000E+00	0.00000E+00	0.00000E+00	9.85078E-09	0.00000E+00	0.00000E+00	0.00000E+00
22	1.70546E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.20606E-08	0.00000E+00	0.00000E+00	0.00000E+00
23	1.62133E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.74790E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	1.51026E-10	0.00000E+00	0.00000E+00	0.00000E+00	6.63461E-09	0.00000E+00	0.00000E+00	0.00000E+00
25	1.44629E-10	0.00000E+00	0.00000E+00	0.00000E+00	3.55705E-09	0.00000E+00	0.00000E+00	0.00000E+00
26	1.47599E-10	0.00000E+00	0.00000E+00	0.00000E+00	3.63010E-09	0.00000E+00	0.00000E+00	0.00000E+00
27	1.64440E-10	0.00000E+00	0.00000E+00	0.00000E+00	4.04428E-09	0.00000E+00	0.00000E+00	0.00000E+00
28	2.13939E-10	0.00000E+00	0.00000E+00	0.00000E+00	5.26168E-09	0.00000E+00	0.00000E+00	0.00000E+00
29	2.68080E-10	0.00000E+00	0.00000E+00	0.00000E+00	6.59324E-09	0.00000E+00	0.00000E+00	0.00000E+00

30	2.91870E-10	0.00000E+00	0.00000E+00	0.00000E+00	7.17832E-09	0.00000E+00	0.00000E+00	0.00000E+00
31	3.13449E-10	0.00000E+00	0.00000E+00	0.00000E+00	7.70904E-09	0.00000E+00	0.00000E+00	0.00000E+00
32	3.33867E-10	0.00000E+00	0.00000E+00	0.00000E+00	8.21122E-09	0.00000E+00	0.00000E+00	0.00000E+00
33	3.54203E-10	0.00000E+00	0.00000E+00	0.00000E+00	8.90031E-09	0.00000E+00	0.00000E+00	0.00000E+00
34	4.42743E-10	0.00000E+00	1.07355E-13	0.00000E+00	3.04622E-06	0.00000E+00	2.64032E-12	0.00000E+00
35	5.04690E-10	0.00000E+00	4.46763E-12	0.00000E+00	7.14841E-06	0.00000E+00	1.09878E-10	0.00000E+00
36	4.32258E-10	0.00000E+00	1.42488E-11	0.00000E+00	8.41237E-06	0.00000E+00	3.50439E-10	0.00000E+00
37	3.58835E-10	0.00000E+00	2.22048E-11	0.00000E+00	9.07858E-06	0.00000E+00	5.46112E-10	0.00000E+00
38	3.75810E-10	0.00000E+00	2.56724E-11	0.00000E+00	9.00695E-06	0.00000E+00	6.31395E-10	0.00000E+00
39	3.81613E-10	0.00000E+00	2.60855E-11	0.00000E+00	8.96667E-06	0.00000E+00	6.41554E-10	0.00000E+00
40	3.86300E-10	0.00000E+00	2.61173E-11	0.00000E+00	8.92505E-06	0.00000E+00	6.42335E-10	0.00000E+00
41	4.16887E-10	0.00000E+00	2.76231E-11	0.00000E+00	8.76148E-06	0.00000E+00	6.79370E-10	0.00000E+00
42	5.68468E-10	0.00000E+00	3.55916E-11	0.00000E+00	9.07123E-06	0.00000E+00	8.75349E-10	0.00000E+00
43	2.52622E-09	0.00000E+00	5.10326E-11	0.00000E+00	1.98818E-05	0.00000E+00	1.25511E-09	0.00000E+00
44	2.46172E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.28646E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	2.85245E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.05689E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	3.41061E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.30977E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	3.24677E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.15530E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	3.97437E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.42829E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	6.37978E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.11756E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	1.88009E-07	0.00000E+00	0.00000E+00	0.00000E+00	8.41851E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	1.45345E-07	0.00000E+00	0.00000E+00	0.00000E+00	5.60668E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.49223E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.34183E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	4.30904E-03	1.28913E-02	2.13660E-02	2.96628E-02	4.11962E-03	1.23247E-02	2.04266E-02	2.83587E-02
5	3.25349E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.72169E-07	0.00000E+00	0.00000E+00	0.00000E+00
6	1.41471E-07	0.00000E+00	0.00000E+00	0.00000E+00	7.48643E-08	0.00000E+00	0.00000E+00	0.00000E+00
7	8.29775E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.39104E-08	0.00000E+00	0.00000E+00	0.00000E+00
8	5.69786E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.01521E-08	0.00000E+00	0.00000E+00	0.00000E+00
9	3.70277E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.95945E-08	0.00000E+00	0.00000E+00	0.00000E+00
10	2.37499E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.25681E-08	0.00000E+00	0.00000E+00	0.00000E+00
11	1.46132E-08	0.00000E+00	0.00000E+00	0.00000E+00	7.73305E-09	0.00000E+00	0.00000E+00	0.00000E+00
12	8.26345E-09	0.00000E+00	0.00000E+00	0.00000E+00	4.37289E-09	0.00000E+00	0.00000E+00	0.00000E+00
13	5.30382E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.80669E-09	0.00000E+00	0.00000E+00	0.00000E+00
14	3.64718E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.93003E-09	0.00000E+00	0.00000E+00	0.00000E+00
15	2.44804E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.29546E-09	0.00000E+00	0.00000E+00	0.00000E+00
16	4.00780E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.12086E-09	0.00000E+00	0.00000E+00	0.00000E+00
17	8.83126E-09	0.00000E+00	0.00000E+00	0.00000E+00	4.67336E-09	0.00000E+00	0.00000E+00	0.00000E+00
18	4.94250E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.61549E-09	0.00000E+00	0.00000E+00	0.00000E+00
19	9.71360E-09	0.00000E+00	0.00000E+00	0.00000E+00	5.14028E-09	0.00000E+00	0.00000E+00	0.00000E+00
20	3.42699E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.81351E-09	0.00000E+00	0.00000E+00	0.00000E+00
21	3.77041E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.99524E-09	0.00000E+00	0.00000E+00	0.00000E+00
22	5.40348E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.85944E-09	0.00000E+00	0.00000E+00	0.00000E+00
23	9.26763E-09	0.00000E+00	0.00000E+00	0.00000E+00	4.90428E-09	0.00000E+00	0.00000E+00	0.00000E+00
24	2.00599E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.06154E-09	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	THROUGH 32	SAME AS ABOVE						
33	6.40694E-10	0.00000E+00	0.00000E+00	0.00000E+00	5.06685E-12	0.00000E+00	0.00000E+00	0.00000E+00
34	1.09398E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.99306E-10	0.00000E+00	0.00000E+00	0.00000E+00
35	2.56553E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.86860E-09	0.00000E+00	0.00000E+00	0.00000E+00
36	2.98826E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.19616E-08	0.00000E+00	0.00000E+00	0.00000E+00
37	3.20291E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.19847E-08	0.00000E+00	0.00000E+00	0.00000E+00
38	3.11983E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.13751E-08	0.00000E+00	0.00000E+00	0.00000E+00
39	3.08775E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.11811E-08	0.00000E+00	0.00000E+00	0.00000E+00
40	3.05812E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.11811E-08	0.00000E+00	0.00000E+00	0.00000E+00
41	2.95143E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.11811E-08	0.00000E+00	0.00000E+00	0.00000E+00

42	2.79699E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.28610E-07	0.00000E+00	0.00000E+00	0.00000E+00
43	2.98170E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.77510E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	2.03172E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.97747E-06	0.00000E+00	0.00000E+00	0.00000E+00
45	1.72521E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.44255E-06	0.00000E+00	0.00000E+00	0.00000E+00
46	1.70820E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.18174E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	1.61446E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.64352E-06	0.00000E+00	0.00000E+00	0.00000E+00
48	2.05504E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.81741E-06	0.00000E+00	0.00000E+00	0.00000E+00
49	2.28655E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.59698E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	6.39663E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.10578E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	4.90490E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.31881E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.42023E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.76073E-01	0.00000E+00	0.00000E+00
4	6.88484E-07	2.05975E-06	3.41369E-06	4.73918E-06	0.00000E+00	5.26486E-03	1.57520E-02	2.61122E-02
5	3.40248E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
6	1.47265E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	8.64287E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.10200E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	5.94118E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	3.86152E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.28540E-13	0.00000E+00	0.00000E+00	0.00000E+00
10	2.48087E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.35240E-13	0.00000E+00	0.00000E+00	0.00000E+00
11	1.51990E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.35200E-13	0.00000E+00	0.00000E+00	0.00000E+00
12	8.62011E-09	0.00000E+00	0.00000E+00	0.00000E+00	6.70690E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	5.54710E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.07250E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	3.82046E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.37480E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	2.35346E-09	0.00000E+00	0.00000E+00	0.00000E+00	4.16900E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	1.45411E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.06980E-13	0.00000E+00	0.00000E+00	0.00000E+00
17	1.01286E-09	0.00000E+00	0.00000E+00	0.00000E+00	3.75260E-13	0.00000E+00	0.00000E+00	0.00000E+00
18	7.36452E-10	0.00000E+00	0.00000E+00	0.00000E+00	3.70580E-13	0.00000E+00	0.00000E+00	0.00000E+00
19	5.96057E-10	0.00000E+00	0.00000E+00	0.00000E+00	7.63370E-14	0.00000E+00	0.00000E+00	0.00000E+00
20	5.55806E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.04220E-13	0.00000E+00	0.00000E+00	0.00000E+00
21	5.41096E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	5.20317E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	4.94649E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	4.60762E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	4.41247E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	4.50309E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	5.01688E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	6.52704E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	8.17882E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	8.90461E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	9.56296E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	1.01859E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	1.08063E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	1.35076E-09	0.00000E+00	3.27528E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	1.53975E-09	0.00000E+00	1.36302E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	1.31877E-09	0.00000E+00	4.34714E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37	9.88623E-10	0.00000E+00	6.77445E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	8.08146E-10	0.00000E+00	7.83236E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	7.52721E-10	0.00000E+00	7.95839E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	7.03703E-10	0.00000E+00	7.96808E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	6.05667E-10	0.00000E+00	8.42749E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	5.95762E-10	0.00000E+00	1.08586E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	6.43347E-10	0.00000E+00	1.55695E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.26145E-08	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.38163E-06	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.26746E-05	0.00000E+00	0.00000E+00

48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.48292E-05	0.00000E+00	0.00000E+00
49	2.49676E-11	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	7.87750E-05	0.00000E+00	0.00000E+00
50	1.16674E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	8.16717E-05	0.00000E+00	0.00000E+00
51	9.05128E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.44893E-05	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53 THROUGH 56	SAME AS ABOVE							
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10200E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28540E-13	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.35240E-13	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.35200E-13	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.70690E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.07250E-14	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.37480E-13	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.16900E-14	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06980E-13	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.75260E-13	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.70580E-13	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.63370E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04220E-13	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2	SAME AS ABOVE				
3	0.00000E+00	1.94918E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	3.62615E-02	5.88895E-04	1.76174E-03	2.91972E-03	4.05314E-03
5	0.00000E+00	1.24811E-05	0.00000E+00	0.00000E+00	0.00000E+00
6	0.00000E+00	5.39664E-06	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	3.16470E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	2.17465E-06	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	1.41123E-06	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	9.05149E-07	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	5.53652E-07	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	3.13308E-07	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	2.01189E-07	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	1.38125E-07	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	8.44723E-08	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	5.13165E-08	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	3.47182E-08	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	2.38761E-08	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	1.79353E-08	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	1.58999E-08	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	1.52257E-08	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	1.42090E-08	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	1.27125E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	1.05603E-08	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	8.19628E-09	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	6.40974E-09	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	4.95927E-09	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	4.18633E-09	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	3.64754E-09	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	3.04689E-09	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	2.26516E-09	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	1.74118E-09	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	8.40764E-10	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35 THROUGH 44	SAME AS ABOVE				
45	0.00000E+00	3.60173E-07	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	1.26787E-06	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	2.14321E-06	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	2.18456E-06	0.00000E+00	0.00000E+00	0.00000E+00

49	0.00000E+00	6.98891E-07	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	6.43863E-07	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	6.79515E-07	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

53 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 49

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	9.02347E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.36071E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.48292E-03	4.43132E-03	7.32769E-03	1.01386E-02	6.37988E-03	1.90627E-02	3.15166E-02	4.35923E-02
5	2.18411E-03	6.48751E-03	1.05991E-02	1.43967E-02	9.70604E-03	2.88308E-02	4.71020E-02	6.39792E-02
6	4.05563E-06	0.00000E+00	0.00000E+00	0.00000E+00	3.55238E-02	0.00000E+00	0.00000E+00	0.00000E+00
7	6.63709E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.53853E-02	0.00000E+00	0.00000E+00	0.00000E+00
8	1.07699E-06	0.00000E+00	0.00000E+00	0.00000E+00	9.74396E-03	0.00000E+00	0.00000E+00	0.00000E+00
9	3.86832E-07	0.00000E+00	0.00000E+00	0.00000E+00	6.69968E-03	0.00000E+00	0.00000E+00	0.00000E+00
10	2.23828E-07	0.00000E+00	0.00000E+00	0.00000E+00	4.34997E-03	0.00000E+00	0.00000E+00	0.00000E+00
11	3.07434E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.79076E-03	0.00000E+00	0.00000E+00	0.00000E+00
12	4.49627E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.71339E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	3.03318E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.18172E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	1.53479E-07	0.00000E+00	0.00000E+00	0.00000E+00	6.80789E-04	0.00000E+00	0.00000E+00	0.00000E+00
15	1.13047E-07	0.00000E+00	0.00000E+00	0.00000E+00	4.21508E-04	0.00000E+00	0.00000E+00	0.00000E+00
16	8.38016E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.39638E-04	0.00000E+00	0.00000E+00	0.00000E+00
17	6.35992E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.30032E-04	0.00000E+00	0.00000E+00	0.00000E+00
18	5.63077E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.04876E-04	0.00000E+00	0.00000E+00	0.00000E+00
19	5.20890E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.88386E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	4.99684E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.69006E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	6.21520E-08	0.00000E+00	0.00000E+00	0.00000E+00	8.20361E-05	0.00000E+00	0.00000E+00	0.00000E+00
22	4.67591E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.06737E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	5.39330E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.38573E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	4.66803E-08	0.00000E+00	0.00000E+00	0.00000E+00	6.07630E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	4.43646E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.75131E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	4.94598E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.67042E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	4.16167E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.35458E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	3.86097E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.92265E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	3.82347E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.56328E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	4.27922E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.72273E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	4.51995E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.75375E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	5.14648E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.04401E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	5.39453E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.15209E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	4.57561E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.47151E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	2.81947E-08	0.00000E+00	0.00000E+00	0.00000E+00	8.15607E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	2.37988E-08	0.00000E+00	0.00000E+00	0.00000E+00	6.49860E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	2.22207E-08	0.00000E+00	0.00000E+00	0.00000E+00	5.13001E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	2.17900E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.59179E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	2.29814E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.58385E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	2.33793E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.58934E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	2.37248E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.59460E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	2.46486E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.52600E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	2.57700E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.25768E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	2.42296E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.88893E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	2.14423E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.60861E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	2.02015E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.12596E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	1.87688E-08	0.00000E+00	0.00000E+00	0.00000E+00	9.91421E-06	0.00000E+00	0.00000E+00	0.00000E+00
48	3.78112E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.07660E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	3.33673E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.15791E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	3.17182E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.12748E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	4.96233E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.03635E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	3.55584E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.01180E-03	0.00000E+00	0.00000E+00	0.00000E+00

53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54 THROUGH 70 SAME AS ABOVE								
0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	2.47557E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.33131E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	6.61490E-03	1.97649E-02	3.26776E-02	4.51985E-02	6.32410E-03	1.88961E-02	3.12412E-02	4.32112E-02
5	1.00610E-02	2.98850E-02	4.88245E-02	6.63189E-02	9.62262E-03	2.85832E-02	4.66973E-02	6.34294E-02
6	1.12631E-01	0.00000E+00	0.00000E+00	0.00000E+00	7.27309E-03	0.00000E+00	0.00000E+00	0.00000E+00
7	4.87800E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.15001E-03	0.00000E+00	0.00000E+00	0.00000E+00
8	2.89667E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.90545E-03	0.00000E+00	0.00000E+00	0.00000E+00
9	1.99173E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.99739E-03	0.00000E+00	0.00000E+00	0.00000E+00
10	1.29345E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.29561E-03	0.00000E+00	0.00000E+00	0.00000E+00
11	8.30157E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.29457E-04	0.00000E+00	0.00000E+00	0.00000E+00
12	5.08663E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.03179E-04	0.00000E+00	0.00000E+00	0.00000E+00
13	3.13690E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.76429E-04	0.00000E+00	0.00000E+00	0.00000E+00
14	1.91014E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.66955E-04	0.00000E+00	0.00000E+00	0.00000E+00
15	1.24415E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.02629E-04	0.00000E+00	0.00000E+00	0.00000E+00
16	7.14121E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.86389E-05	0.00000E+00	0.00000E+00	0.00000E+00
17	3.71264E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.62648E-05	0.00000E+00	0.00000E+00	0.00000E+00
18	2.95008E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.17548E-05	0.00000E+00	0.00000E+00	0.00000E+00
19	1.72119E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.64198E-05	0.00000E+00	0.00000E+00	0.00000E+00
20	1.65473E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.65816E-05	0.00000E+00	0.00000E+00	0.00000E+00
21	1.17560E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.77405E-05	0.00000E+00	0.00000E+00	0.00000E+00
22	3.83837E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.38297E-07	0.00000E+00	0.00000E+00	0.00000E+00
23	1.15347E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.57632E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	2.15363E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.53880E-06	0.00000E+00	0.00000E+00	0.00000E+00
25	8.70217E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.92610E-05	0.00000E+00	0.00000E+00	0.00000E+00
26	7.09155E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.03358E-05	0.00000E+00	0.00000E+00	0.00000E+00
27	6.92966E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.10451E-05	0.00000E+00	0.00000E+00	0.00000E+00
28	5.55216E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.30899E-05	0.00000E+00	0.00000E+00	0.00000E+00
29	4.29036E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.21385E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	3.48092E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.08044E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	2.96740E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.43540E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	2.90087E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.94770E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	2.75629E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.24103E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	2.26964E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.31737E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	1.64826E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.05925E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.21290E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.39609E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	7.87734E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.26743E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	5.94638E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.30848E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	5.59675E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.49391E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	5.50654E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.55576E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	5.42658E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.61075E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	5.14315E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.65145E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	4.64968E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.48235E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	3.46865E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.83470E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	1.92155E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.57765E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	1.28490E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.13257E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	9.95230E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.08336E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	3.93502E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.78374E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	5.84506E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.60114E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.32959E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.51343E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	4.18897E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.97607E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	2.74246E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.81752E-03	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54 THROUGH 70 SAME AS ABOVE								
0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								

3	2.60043E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.44500E-01	0.00000E+00	0.00000E+00	
4	1.05709E-06	3.15847E-06	5.22172E-06	7.22202E-06	0.00000E+00	8.07314E-03	2.41251E-02	3.98972E-02	
5	1.61574E-06	4.79934E-06	7.84105E-06	1.06506E-05	0.00000E+00	1.18425E-02	3.51761E-02	5.74688E-02	
6	1.58611E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
7	6.86507E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
8	4.02901E-08	0.00000E+00	0.00000E+00	0.00000E+00	8.77160E-06	0.00000E+00	0.00000E+00	0.00000E+00	
9	2.76959E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
10	1.80006E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00030E-13	0.00000E+00	0.00000E+00	0.00000E+00	
11	1.15637E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.60380E-13	0.00000E+00	0.00000E+00	0.00000E+00	
12	7.08339E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.60350E-13	0.00000E+00	0.00000E+00	0.00000E+00	
13	4.01515E-09	0.00000E+00	0.00000E+00	0.00000E+00	5.52170E-14	0.00000E+00	0.00000E+00	0.00000E+00	
14	2.58085E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.76110E-14	0.00000E+00	0.00000E+00	0.00000E+00	
15	1.77367E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.79320E-13	0.00000E+00	0.00000E+00	0.00000E+00	
16	1.08493E-09	0.00000E+00	0.00000E+00	0.00000E+00	3.58500E-14	0.00000E+00	0.00000E+00	0.00000E+00	
17	6.58225E-10	0.00000E+00	0.00000E+00	0.00000E+00	8.83790E-14	0.00000E+00	0.00000E+00	0.00000E+00	
18	4.43186E-10	0.00000E+00	0.00000E+00	0.00000E+00	2.90680E-13	0.00000E+00	0.00000E+00	0.00000E+00	
19	3.01152E-10	0.00000E+00	0.00000E+00	0.00000E+00	2.86500E-13	0.00000E+00	0.00000E+00	0.00000E+00	
20	2.22208E-10	0.00000E+00	0.00000E+00	0.00000E+00	5.85070E-14	0.00000E+00	0.00000E+00	0.00000E+00	
21	1.96060E-10	0.00000E+00	0.00000E+00	0.00000E+00	8.61730E-14	0.00000E+00	0.00000E+00	0.00000E+00	
22	1.86446E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
23	1.72120E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
24	1.51598E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
25	1.19823E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
26	8.36216E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
27	5.37303E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
28	2.69625E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
29	1.16754E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
30	6.89499E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
32	THROUGH 42	SAME AS ABOVE							
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.85078E-10	0.00000E+00	0.00000E+00	
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00058E-06	0.00000E+00	0.00000E+00	
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.19361E-06	0.00000E+00	0.00000E+00	
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.13452E-06	0.00000E+00	0.00000E+00	
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.02332E-06	0.00000E+00	0.00000E+00	
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.39483E-05	0.00000E+00	0.00000E+00	
49	4.49660E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	3.62615E-04	0.00000E+00	0.00000E+00	
50	1.41183E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.09844E-04	0.00000E+00	0.00000E+00	
51	4.01965E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.50241E-05	0.00000E+00	0.00000E+00	
52	4.38546E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.89397E-05	0.00000E+00	0.00000E+00	
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
54	THROUGH 56	SAME AS ABOVE							
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.77160E-06	0.00000E+00	0.00000E+00	0.00000E+00	
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00030E-13	0.00000E+00	0.00000E+00	0.00000E+00	
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.60380E-13	0.00000E+00	0.00000E+00	0.00000E+00	
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.60350E-13	0.00000E+00	0.00000E+00	0.00000E+00	
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.52170E-14	0.00000E+00	0.00000E+00	0.00000E+00	
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.76110E-14	0.00000E+00	0.00000E+00	0.00000E+00	
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.79320E-13	0.00000E+00	0.00000E+00	0.00000E+00	
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.58500E-14	0.00000E+00	0.00000E+00	0.00000E+00	
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.83790E-14	0.00000E+00	0.00000E+00	0.00000E+00	
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.90680E-13	0.00000E+00	0.00000E+00	0.00000E+00	
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.86500E-13	0.00000E+00	0.00000E+00	0.00000E+00	
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.85070E-14	0.00000E+00	0.00000E+00	0.00000E+00	
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.61730E-14	0.00000E+00	0.00000E+00	0.00000E+00	
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	2.12251E-02	0.00000E+00	0.00000E+00	0.00000E+00

4	5.52022E-02	9.03912E-04	2.70076E-03	4.46473E-03	6.17436E-03
5	7.80624E-02	1.39115E-03	4.13221E-03	6.75103E-03	9.16991E-03
6	0.00000E+00	3.32834E-05	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	1.43916E-05	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	8.43952E-06	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	5.79931E-06	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	3.76325E-06	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	2.41368E-06	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	1.47644E-06	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	8.35467E-07	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	5.36527E-07	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	3.68334E-07	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	2.25266E-07	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	1.36845E-07	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	9.25822E-08	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	6.36705E-08	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	4.78277E-08	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	4.23992E-08	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	4.06019E-08	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	3.78912E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	3.38995E-08	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	2.81604E-08	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	2.18560E-08	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	1.70930E-08	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	1.32247E-08	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	1.11636E-08	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	9.72671E-09	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	8.12479E-09	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	5.99936E-09	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	3.73111E-09	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	1.80161E-09	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36 THROUGH 43 SAME AS ABOVE					
44	0.00000E+00	1.44416E-07	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	4.62934E-07	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	3.39626E-07	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	3.98096E-08	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	1.00866E-06	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	1.14068E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	1.17035E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	1.28622E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	8.37426E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 50

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	8.73198E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.36120E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.38533E-03	4.14290E-03	6.86178E-03	9.51599E-03	5.86872E-03	1.75490E-02	2.90598E-02	4.02896E-02
5	1.61704E-03	4.79994E-03	7.83072E-03	1.06138E-02	7.18728E-03	2.13342E-02	3.48057E-02	4.71757E-02
6	1.13425E-03	3.33095E-03	5.31603E-03	6.96119E-03	5.03978E-03	1.47998E-02	2.36203E-02	3.09298E-02
7	1.38132E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.29635E-02	0.00000E+00	0.00000E+00	0.00000E+00
8	2.32638E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.59353E-02	0.00000E+00	0.00000E+00	0.00000E+00
9	2.90675E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.03729E-02	0.00000E+00	0.00000E+00	0.00000E+00
10	7.77651E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.40090E-02	0.00000E+00	0.00000E+00	0.00000E+00
11	5.46687E-06	0.00000E+00	0.00000E+00	0.00000E+00	9.09246E-03	0.00000E+00	0.00000E+00	0.00000E+00
12	1.27177E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.83039E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	1.52425E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.58102E-03	0.00000E+00	0.00000E+00	0.00000E+00

14	9.31163E-06	0.00000E+00	0.00000E+00	0.00000E+00	2.62213E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	4.18866E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.53723E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	2.93965E-06	0.00000E+00	0.00000E+00	0.00000E+00	4.72158E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	2.41445E-06	0.00000E+00	0.00000E+00	0.00000E+00	5.23591E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.39265E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.81120E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	7.14235E-07	0.00000E+00	0.00000E+00	0.00000E+00	9.88519E-05	0.00000E+00	0.00000E+00	0.00000E+00
20	6.05681E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.22600E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	5.51375E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.25289E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	6.92290E-07	0.00000E+00	0.00000E+00	0.00000E+00	9.43528E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	5.36493E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.93531E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	6.42988E-07	0.00000E+00	0.00000E+00	0.00000E+00	8.43752E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	5.70201E-07	0.00000E+00	0.00000E+00	0.00000E+00	6.16646E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	4.86176E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.05524E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	4.56498E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.22350E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	4.18921E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.76271E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	4.17630E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.60063E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	4.25131E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.51474E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	4.22684E-07	0.00000E+00	0.00000E+00	0.00000E+00	4.73599E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	4.56374E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.59267E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	5.03038E-07	0.00000E+00	0.00000E+00	0.00000E+00	4.29273E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	5.52944E-07	0.00000E+00	0.00000E+00	0.00000E+00	4.62373E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	6.34051E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.39311E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	9.37748E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.88948E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	2.53038E-06	0.00000E+00	0.00000E+00	0.00000E+00	2.46621E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	3.50957E-06	0.00000E+00	0.00000E+00	0.00000E+00	2.08948E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	3.85745E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.94363E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	3.88815E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.94574E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	3.87759E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.94899E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	3.86660E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.95188E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	3.82170E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.92589E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	3.73586E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.84996E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	3.76019E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.91852E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	4.00741E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.15369E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	4.17280E-06	0.00000E+00	0.00000E+00	0.00000E+00	9.11881E-06	0.00000E+00	0.00000E+00	0.00000E+00
48	5.68293E-06	0.00000E+00	0.00000E+00	0.00000E+00	2.43731E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	1.50074E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.42488E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.95320E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.75066E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	4.90276E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.53696E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	4.94964E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.93830E-03	0.00000E+00	0.00000E+00	0.00000E+00
53	5.06556E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.93295E-03	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.47259E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.33267E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	6.08569E-03	1.81978E-02	3.01343E-02	4.17795E-02	5.81713E-03	1.73946E-02	2.88043E-02	3.99353E-02
5	7.45007E-03	2.21143E-02	3.60784E-02	4.89005E-02	7.12543E-03	2.11504E-02	3.45061E-02	4.67696E-02
6	5.22408E-03	1.53411E-02	2.44840E-02	3.20611E-02	4.99648E-03	1.46726E-02	2.34175E-02	3.06638E-02
7	5.98057E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.00982E-01	0.00000E+00	0.00000E+00	0.00000E+00
8	2.59026E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.37382E-02	0.00000E+00	0.00000E+00	0.00000E+00
9	1.48808E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.45969E-02	0.00000E+00	0.00000E+00	0.00000E+00
10	1.02306E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.69105E-02	0.00000E+00	0.00000E+00	0.00000E+00
11	6.63710E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.09711E-02	0.00000E+00	0.00000E+00	0.00000E+00
12	4.25164E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.02685E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	2.61810E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.26898E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	2.21727E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.36045E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	1.20583E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.47215E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	2.65910E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.61713E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	4.68055E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.23081E-03	0.00000E+00	0.00000E+00	0.00000E+00

18	2.72083E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.41760E-04	0.00000E+00	0.00000E+00	0.00000E+00
19	4.40883E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.30109E-05	0.00000E+00	0.00000E+00	0.00000E+00
20	4.95175E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.87436E-05	0.00000E+00	0.00000E+00	0.00000E+00
21	3.90421E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.53458E-05	0.00000E+00	0.00000E+00	0.00000E+00
22	8.66050E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.35751E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	2.42683E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.38602E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	7.05494E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.47414E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	6.30420E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.03933E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	3.10478E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.33006E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	2.50539E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.17121E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.54665E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.15456E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	1.34616E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.99933E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	1.19259E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.91260E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	6.19826E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.24400E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	5.09989E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.89120E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	5.49132E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.84360E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	5.62401E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.40570E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	5.10460E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.59545E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	4.73748E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.99475E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	3.98636E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.72914E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	3.02043E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.67562E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	2.58779E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.68981E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	2.48964E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.76230E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	2.46272E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.78649E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	2.43855E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.80805E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	2.34477E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.82364E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	2.18331E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.79665E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	2.00529E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.05025E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	1.29433E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.14702E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	1.07286E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.15388E-06	0.00000E+00	0.00000E+00	0.00000E+00
48	2.23874E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.42130E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	5.71503E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.91191E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	1.98622E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.19096E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	4.88731E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.68450E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	6.55093E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.67904E-03	0.00000E+00	0.00000E+00	0.00000E+00
53	3.88466E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.69421E-03	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.76989E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.21274E-01	0.00000E+00	0.00000E+00
4	9.70208E-07	2.90115E-06	4.80387E-06	6.65985E-06	0.00000E+00	7.55583E-03	2.25975E-02	3.74294E-02
5	1.19644E-06	3.55139E-06	5.79383E-06	7.85315E-06	0.00000E+00	8.76795E-03	2.60261E-02	4.24607E-02
6	8.38959E-07	2.46370E-06	3.93194E-06	5.14875E-06	0.00000E+00	6.15037E-03	1.80611E-02	2.88245E-02
7	2.53267E-07	0.00000E+00	0.00000E+00	0.00000E+00	7.66260E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	1.09619E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	6.43347E-08	0.00000E+00	0.00000E+00	0.00000E+00	8.11570E-14	0.00000E+00	0.00000E+00	0.00000E+00
10	4.42259E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.10850E-13	0.00000E+00	0.00000E+00	0.00000E+00
11	2.87424E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.10820E-13	0.00000E+00	0.00000E+00	0.00000E+00
12	1.84650E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.71640E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	1.13104E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.54470E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	6.41113E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.41890E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	4.12106E-09	0.00000E+00	0.00000E+00	0.00000E+00	3.17490E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	2.83213E-09	0.00000E+00	0.00000E+00	0.00000E+00	7.57100E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	1.73241E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.34780E-13	0.00000E+00	0.00000E+00	0.00000E+00
18	1.05109E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.31020E-13	0.00000E+00	0.00000E+00	0.00000E+00
19	7.07665E-10	0.00000E+00	0.00000E+00	0.00000E+00	4.67830E-14	0.00000E+00	0.00000E+00	0.00000E+00
20	4.80867E-10	0.00000E+00	0.00000E+00	0.00000E+00	7.38750E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	3.54815E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

22	3.13063E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	2.97717E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	2.74834E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	2.42069E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	1.91331E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	1.33521E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	8.57965E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	4.30542E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	1.86429E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	1.10099E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	THROUGH 43	SAME AS ABOVE						
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.21873E-10	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.10223E-07	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.71941E-06	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.92507E-06	0.00000E+00	0.00000E+00
48	1.72170E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.03454E-05	0.00000E+00	0.00000E+00
49	4.82863E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.36812E-04	0.00000E+00	0.00000E+00
50	1.28603E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	4.08507E-04	0.00000E+00	0.00000E+00
51	2.57019E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.36596E-04	0.00000E+00	0.00000E+00
52	2.49253E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.08138E-05	0.00000E+00	0.00000E+00
53	2.28166E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.18255E-04	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55	THROUGH 56	SAME AS ABOVE						
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.66260E-06	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.11570E-14	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.10850E-13	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.10820E-13	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.71640E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.54470E-14	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.41890E-13	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.17490E-14	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.57100E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.34780E-13	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.31020E-13	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.67830E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.38750E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	2.28370E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	5.19162E-02	8.32716E-04	2.49001E-03	4.12299E-03	5.71563E-03
5	5.75512E-02	1.03023E-03	3.05805E-03	4.98908E-03	6.76217E-03
6	3.77461E-02	7.22348E-04	2.12124E-03	3.38537E-03	4.43303E-03
7	0.00000E+00	1.08169E-04	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	4.67725E-05	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	2.74275E-05	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	1.88471E-05	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	1.22306E-05	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	7.84452E-06	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	4.79841E-06	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	2.71534E-06	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	1.74365E-06	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	1.19709E-06	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	7.32100E-07	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	4.44742E-07	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	3.00888E-07	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	2.06928E-07	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	1.55440E-07	0.00000E+00	0.00000E+00	0.00000E+00

22	0.00000E+00	1.37796E-07	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	1.31954E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	1.23145E-07	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	1.10175E-07	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	9.15228E-08	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	7.10347E-08	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	5.55504E-08	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	4.29803E-08	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	3.62816E-08	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	3.16121E-08	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	2.64062E-08	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	1.98504E-08	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	1.31836E-08	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	6.36551E-09	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
37 THROUGH 38	SAME AS ABOVE				
39	0.00000E+00	2.53101E-09	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	1.59840E-07	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	1.72574E-07	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	1.83824E-07	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	2.16629E-07	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	2.57969E-07	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	1.72239E-07	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	9.47203E-10	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	1.24331E-09	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	4.80509E-07	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	1.58534E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	3.84393E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	6.01713E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	5.83761E-04	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	5.57388E-04	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
55 THROUGH 70	SAME AS ABOVE				

0 CROSS SECTIONS FOR GRP. 51

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2	SAME AS ABOVE							
3	8.45938E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.39703E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.18412E-03	3.54148E-03	5.86622E-03	8.13796E-03	4.84375E-03	1.44851E-02	2.39880E-02	3.32630E-02
5	2.20910E-03	6.55145E-03	1.06692E-02	1.44202E-02	9.81878E-03	2.91204E-02	4.74226E-02	6.40958E-02
6	1.65737E-03	4.86701E-03	7.76724E-03	1.01706E-02	7.36445E-03	2.16263E-02	3.45126E-02	4.51919E-02
7	1.19420E-03	3.46907E-03	5.41230E-03	6.83278E-03	5.30615E-03	1.54140E-02	2.40482E-02	3.03596E-02
8	5.88770E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.60555E-02	0.00000E+00	0.00000E+00	0.00000E+00
9	1.23869E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.95511E-03	0.00000E+00	0.00000E+00	0.00000E+00
10	1.30054E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.04978E-03	0.00000E+00	0.00000E+00	0.00000E+00
11	2.46889E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.78579E-03	0.00000E+00	0.00000E+00	0.00000E+00
12	1.72821E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.81000E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	5.90967E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.16464E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	7.88500E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.14463E-04	0.00000E+00	0.00000E+00	0.00000E+00
15	5.27749E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.73524E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	2.27517E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.13490E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	1.65635E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.75883E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	8.92833E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.68382E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	4.98970E-06	0.00000E+00	0.00000E+00	0.00000E+00	2.72475E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	3.29913E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.03601E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	2.46313E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.39100E-05	0.00000E+00	0.00000E+00	0.00000E+00
22	2.05982E-06	0.00000E+00	0.00000E+00	0.00000E+00	5.38645E-05	0.00000E+00	0.00000E+00	0.00000E+00
23	1.91969E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.27412E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	1.88162E-06	0.00000E+00	0.00000E+00	0.00000E+00	5.97275E-05	0.00000E+00	0.00000E+00	0.00000E+00

25	1.85536E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.50257E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	1.74974E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.77099E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	1.58956E-06	0.00000E+00	0.00000E+00	0.00000E+00	9.49434E-05	0.00000E+00	0.00000E+00	0.00000E+00
28	1.50698E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.27042E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	1.50962E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.58533E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	1.50797E-06	0.00000E+00	0.00000E+00	0.00000E+00	6.99486E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	1.53194E-06	0.00000E+00	0.00000E+00	0.00000E+00	6.66156E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	1.55787E-06	0.00000E+00	0.00000E+00	0.00000E+00	5.16879E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	1.66779E-06	0.00000E+00	0.00000E+00	0.00000E+00	5.60581E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	1.81466E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.17297E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	1.97329E-06	0.00000E+00	0.00000E+00	0.00000E+00	8.06852E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	2.27013E-06	0.00000E+00	0.00000E+00	0.00000E+00	5.66865E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	3.34969E-06	0.00000E+00	0.00000E+00	0.00000E+00	4.31305E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	9.66912E-06	0.00000E+00	0.00000E+00	0.00000E+00	3.63165E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	1.35577E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.13665E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	1.49200E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.93636E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	1.50441E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.97822E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	1.50050E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.99459E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	1.49634E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.00914E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	1.47929E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.00941E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	1.44636E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.89891E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	1.45222E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.42667E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	1.54047E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.73347E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	1.61566E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.42062E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	3.51400E-04	0.00000E+00	2.63227E-04	0.00000E+00	5.63655E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.28737E-03	0.00000E+00	1.80400E-03	0.00000E+00	3.59634E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	1.97851E-03	0.00000E+00	1.26168E-03	0.00000E+00	6.63087E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	1.80684E-03	0.00000E+00	6.97781E-04	0.00000E+00	1.09086E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	2.06679E-03	0.00000E+00	6.92460E-04	0.00000E+00	1.14119E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	1.45650E-03	0.00000E+00	4.30582E-04	0.00000E+00	6.81331E-03	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.50620E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.36935E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.02428E-03	1.50247E-02	2.48823E-02	3.45031E-02	4.80046E-03	1.43558E-02	2.37734E-02	3.29654E-02
5	1.01778E-02	3.01851E-02	4.91565E-02	6.64395E-02	9.73423E-03	2.88698E-02	4.70145E-02	6.35441E-02
6	7.63374E-03	2.24171E-02	3.57746E-02	4.68443E-02	7.30105E-03	2.14402E-02	3.42155E-02	4.48030E-02
7	5.50020E-03	1.59776E-02	2.49277E-02	3.14699E-02	5.26055E-03	1.52816E-02	2.38416E-02	3.00987E-02
8	1.43974E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.80305E-02	0.00000E+00	0.00000E+00	0.00000E+00
9	6.22727E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.80983E-03	0.00000E+00	0.00000E+00	0.00000E+00
10	3.62970E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.53412E-03	0.00000E+00	0.00000E+00	0.00000E+00
11	2.48268E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.11778E-03	0.00000E+00	0.00000E+00	0.00000E+00
12	1.59124E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.02358E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	9.94619E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.29742E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	7.00572E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.90911E-04	0.00000E+00	0.00000E+00	0.00000E+00
15	3.17693E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.43710E-04	0.00000E+00	0.00000E+00	0.00000E+00
16	1.22853E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.96068E-04	0.00000E+00	0.00000E+00	0.00000E+00
17	1.63625E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.21520E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.34072E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.95968E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	3.03956E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.16435E-05	0.00000E+00	0.00000E+00	0.00000E+00
20	1.57958E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.93937E-05	0.00000E+00	0.00000E+00	0.00000E+00
21	1.60180E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.57252E-05	0.00000E+00	0.00000E+00	0.00000E+00
22	1.31326E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.77917E-05	0.00000E+00	0.00000E+00	0.00000E+00
23	1.45231E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.44607E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	7.48373E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.71818E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	1.24927E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.73444E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	1.86057E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.04922E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	9.77963E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.06619E-04	0.00000E+00	0.00000E+00	0.00000E+00

28	1.10730E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.55839E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	8.80026E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.06125E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	7.99103E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.47603E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	7.30724E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.14085E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	6.17794E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.15168E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	6.13308E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.97173E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	7.09746E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.06769E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	7.70180E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.27347E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	6.87169E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.46518E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	6.10091E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.60904E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	5.00020E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.13492E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	3.79679E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.04212E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	3.26465E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.06943E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	3.16806E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.20300E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	3.14271E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.24730E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	3.11998E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.28670E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	3.03107E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.32198E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	2.83971E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.23493E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	2.39765E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.68781E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	1.91914E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.49388E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	3.00466E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.06886E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	4.98345E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.47105E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.54623E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.25668E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	5.62017E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.15633E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	1.03584E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.09124E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	1.07522E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.12717E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	6.52399E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.65971E-03	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.99983E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.02006E-01	0.00000E+00	0.00000E+00
4	7.96589E-07	2.38204E-06	3.94451E-06	5.46911E-06	0.00000E+00	6.48491E-03	1.93960E-02	3.21335E-02
5	1.63450E-06	4.84755E-06	7.89423E-06	1.06697E-05	0.00000E+00	1.19781E-02	3.55225E-02	5.78515E-02
6	1.22590E-06	3.59991E-06	5.74486E-06	7.52274E-06	0.00000E+00	8.98669E-03	2.63900E-02	4.21143E-02
7	8.83280E-07	2.56588E-06	4.00319E-06	5.05380E-06	6.92650E-06	6.47534E-03	1.88101E-02	2.93467E-02
8	4.86051E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	2.10378E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	1.23468E-07	0.00000E+00	0.00000E+00	0.00000E+00	6.58260E-14	0.00000E+00	0.00000E+00	0.00000E+00
11	8.48734E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.70690E-13	0.00000E+00	0.00000E+00	0.00000E+00
12	5.51633E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.70670E-13	0.00000E+00	0.00000E+00	0.00000E+00
13	3.54380E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.03110E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	2.17071E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.35360E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	1.23047E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.11380E-13	0.00000E+00	0.00000E+00	0.00000E+00
16	7.90907E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.80630E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	5.43541E-09	0.00000E+00	0.00000E+00	0.00000E+00	6.48930E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	3.32480E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.89510E-13	0.00000E+00	0.00000E+00	0.00000E+00
19	2.01720E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.86090E-13	0.00000E+00	0.00000E+00	0.00000E+00
20	1.35814E-09	0.00000E+00	0.00000E+00	0.00000E+00	3.73280E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	9.22873E-10	0.00000E+00	0.00000E+00	0.00000E+00	6.33660E-14	0.00000E+00	0.00000E+00	0.00000E+00
22	6.80943E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	6.00820E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	5.71358E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	5.27440E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	4.64555E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	3.67198E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	2.56256E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	1.64655E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	8.26269E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

31	3.57799E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	2.11301E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	THROUGH 35	SAME AS ABOVE						
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.13252E-12	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.37607E-07	0.00000E+00	0.00000E+00
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.17970E-06	0.00000E+00	0.00000E+00
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.21102E-06	0.00000E+00	0.00000E+00
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.71721E-06	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.05404E-06	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.51659E-06	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.94648E-06	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.25098E-06	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.95570E-06	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.19788E-06	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.91842E-06	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.70363E-06	0.00000E+00	0.00000E+00
49	4.36290E-07	0.00000E+00	3.11230E-07	0.00000E+00	1.00000E+00	9.36478E-04	0.00000E+00	0.00000E+00
50	3.40608E-06	0.00000E+00	2.13298E-06	0.00000E+00	1.00000E+00	1.45079E-03	0.00000E+00	0.00000E+00
51	3.97571E-06	0.00000E+00	1.49176E-06	0.00000E+00	0.00000E+00	8.31992E-04	0.00000E+00	0.00000E+00
52	4.47072E-06	0.00000E+00	8.25029E-07	0.00000E+00	0.00000E+00	4.79473E-04	0.00000E+00	0.00000E+00
53	4.63312E-06	0.00000E+00	8.18738E-07	0.00000E+00	0.00000E+00	2.78020E-04	0.00000E+00	0.00000E+00
54	3.43118E-06	0.00000E+00	5.09104E-07	0.00000E+00	0.00000E+00	7.66701E-04	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	THROUGH 56	SAME AS ABOVE						
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.92650E-06	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.58260E-14	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.70690E-13	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.70670E-13	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.03110E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.35360E-14	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.11380E-13	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.80630E-14	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.48930E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.89510E-13	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.86090E-13	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.73280E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.33660E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	2.49699E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	4.45854E-02	6.82209E-04	2.03998E-03	3.37794E-03	4.68329E-03
5	7.81910E-02	1.40712E-03	4.17319E-03	6.79604E-03	9.18527E-03
6	5.51461E-02	1.05559E-03	3.09982E-03	4.94692E-03	6.47753E-03
7	3.70500E-02	7.60517E-04	2.20921E-03	3.44675E-03	4.35132E-03
8	0.00000E+00	3.32834E-05	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	1.43916E-05	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	8.43952E-06	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	5.79931E-06	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	3.76325E-06	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	2.41368E-06	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	1.47644E-06	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	8.35467E-07	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	5.36527E-07	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	3.68334E-07	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	2.25266E-07	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	1.36845E-07	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	9.25822E-08	0.00000E+00	0.00000E+00	0.00000E+00

21	0.00000E+00	6.36705E-08	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	4.78277E-08	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	4.23992E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	4.06019E-08	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	3.78912E-08	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	3.38995E-08	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	2.81604E-08	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	2.18560E-08	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	1.70930E-08	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	1.32247E-08	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	1.11636E-08	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	9.72671E-09	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	8.12479E-09	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	5.69440E-09	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	3.73111E-09	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	1.80161E-09	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	2.55436E-08	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	6.44113E-08	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	8.91293E-08	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	1.19179E-07	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42 THROUGH 44	SAME AS ABOVE				
45	0.00000E+00	3.42574E-10	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	8.70007E-10	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	8.69688E-10	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	2.79208E-07	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	3.34672E-04	0.00000E+00	2.67913E-04	0.00000E+00
50	0.00000E+00	2.33668E-03	0.00000E+00	1.83612E-03	0.00000E+00
51	0.00000E+00	2.10613E-03	0.00000E+00	1.28414E-03	0.00000E+00
52	0.00000E+00	1.94139E-03	0.00000E+00	7.10203E-04	0.00000E+00
53	0.00000E+00	2.16077E-03	0.00000E+00	7.04788E-04	0.00000E+00
54	0.00000E+00	1.49189E-03	0.00000E+00	4.38248E-04	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56 THROUGH 70	SAME AS ABOVE				

0 CROSS SECTIONS FOR GRP. 52

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2	SAME AS ABOVE							
3	8.36596E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.44776E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.18833E-03	6.52976E-03	1.07671E-02	1.48335E-02	9.17213E-03	2.73640E-02	4.51033E-02	6.20970E-02
5	3.15790E-03	9.35538E-03	1.52021E-02	2.04798E-02	1.40425E-02	4.16005E-02	6.76013E-02	9.10719E-02
6	2.26918E-03	6.63124E-03	1.04766E-02	1.34999E-02	1.00829E-02	2.94664E-02	4.65533E-02	5.99861E-02
7	1.74535E-03	5.04945E-03	7.81071E-03	9.72340E-03	7.75531E-03	2.24367E-02	3.47069E-02	4.32042E-02
8	1.29459E-03	3.70431E-03	5.59692E-03	6.69508E-03	5.75205E-03	1.64588E-02	2.48679E-02	2.97478E-02
9	2.78906E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.90028E-02	0.00000E+00	0.00000E+00	0.00000E+00
10	7.09301E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.23125E-03	0.00000E+00	0.00000E+00	0.00000E+00
11	6.77276E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.81849E-03	0.00000E+00	0.00000E+00	0.00000E+00
12	1.38834E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.31376E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	6.17666E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.15160E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	2.91918E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.38250E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	4.37825E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.90009E-04	0.00000E+00	0.00000E+00	0.00000E+00
16	3.21288E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.88593E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	1.35142E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.53163E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.01476E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.85890E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	4.82206E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.14424E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	2.84909E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.58763E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	1.78260E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.26240E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	1.17033E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.69362E-05	0.00000E+00	0.00000E+00	0.00000E+00
23	8.91122E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.16316E-05	0.00000E+00	0.00000E+00	0.00000E+00

24	8.13551E-06	0.00000E+00	0.00000E+00	0.00000E+00	3.22145E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	7.76383E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.34063E-05	0.00000E+00	0.00000E+00	0.00000E+00
26	7.41361E-06	0.00000E+00	0.00000E+00	0.00000E+00	2.39578E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	6.69957E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.66556E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	5.88599E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.02446E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	5.28201E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.12858E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	5.21071E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.57246E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	5.02699E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.56253E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	4.97050E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.33017E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	4.86661E-06	0.00000E+00	0.00000E+00	0.00000E+00	5.94998E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	5.03434E-06	0.00000E+00	0.00000E+00	0.00000E+00	6.05143E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	5.36191E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.45196E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	5.73580E-06	0.00000E+00	0.00000E+00	0.00000E+00	8.11886E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	6.58031E-06	0.00000E+00	0.00000E+00	0.00000E+00	5.79702E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	9.26668E-06	0.00000E+00	0.00000E+00	0.00000E+00	4.90861E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	2.87902E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.21266E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	4.09004E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.73218E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	4.51260E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.50986E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	4.55454E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.57224E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	4.54426E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.59621E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	4.53248E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.61737E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	4.48400E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.58428E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	4.38833E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.45126E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	4.40456E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.04503E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	4.65672E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.84853E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	4.89638E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.92700E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	7.09221E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.47135E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	8.60581E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.46244E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	8.73205E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.33967E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	8.61036E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.82918E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	8.75361E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.70483E-02	0.00000E+00	0.00000E+00	0.00000E+00
55	1.12660E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.02464E-02	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.55609E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.42029E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	9.51200E-03	2.83782E-02	4.67752E-02	6.43993E-02	9.09097E-03	2.71217E-02	4.47039E-02	6.15469E-02
5	1.45557E-02	4.31217E-02	7.00730E-02	9.44012E-02	1.39217E-02	4.12423E-02	6.70194E-02	9.02885E-02
6	1.04516E-02	3.05437E-02	4.82553E-02	6.21797E-02	9.99610E-03	2.92128E-02	4.61529E-02	5.94698E-02
7	8.03888E-03	2.32571E-02	3.59759E-02	4.47841E-02	7.68855E-03	2.22435E-02	3.44081E-02	4.28322E-02
8	5.96241E-03	1.70608E-02	2.57775E-02	3.08357E-02	5.70262E-03	1.63173E-02	2.46542E-02	2.94921E-02
9	1.40014E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.02976E-02	0.00000E+00	0.00000E+00	0.00000E+00
10	6.06429E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.79153E-03	0.00000E+00	0.00000E+00	0.00000E+00
11	3.55351E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.14011E-03	0.00000E+00	0.00000E+00	0.00000E+00
12	2.44310E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.53403E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	1.58525E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.29307E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	1.01795E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.46911E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	7.99448E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.93379E-04	0.00000E+00	0.00000E+00	0.00000E+00
16	4.56143E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.95909E-04	0.00000E+00	0.00000E+00	0.00000E+00
17	1.72125E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.15168E-04	0.00000E+00	0.00000E+00	0.00000E+00
18	1.26465E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.69217E-04	0.00000E+00	0.00000E+00	0.00000E+00
19	1.13726E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.09748E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	1.07082E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.66884E-05	0.00000E+00	0.00000E+00	0.00000E+00
21	1.66152E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.52572E-05	0.00000E+00	0.00000E+00	0.00000E+00
22	1.34462E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.16187E-05	0.00000E+00	0.00000E+00	0.00000E+00
23	1.11277E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.71028E-05	0.00000E+00	0.00000E+00	0.00000E+00
24	3.29605E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.64069E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	7.70066E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.59349E-05	0.00000E+00	0.00000E+00	0.00000E+00

26	2.30054E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.77658E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	1.88552E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.30042E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.19263E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.74273E-05	0.00000E+00	0.00000E+00	0.00000E+00
29	1.22230E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.12976E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	1.04499E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.73752E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	9.49142E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.90141E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	8.75594E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.88218E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	7.32577E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.68733E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	6.84833E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.52049E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	7.66911E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.46620E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	8.04224E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.57003E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	7.15143E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.05829E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	6.51254E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.22727E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	5.54331E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.67941E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	4.41748E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.57815E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	3.85360E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.61151E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	3.78625E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.76806E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	3.77049E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.82021E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	3.75577E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.86656E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	3.65523E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.89178E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	3.46121E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.78925E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	3.05303E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.33258E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	3.31992E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.85400E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	5.78805E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.12930E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	3.17476E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.30712E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	7.65465E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.05257E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	1.28059E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.35788E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	1.75336E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.85713E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	1.58279E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.74109E-02	0.00000E+00	0.00000E+00	0.00000E+00
55	9.62906E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.03481E-02	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	THROUGH	70 SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH	2 SAME AS ABOVE						
3	3.21997E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.90261E-01	0.00000E+00	0.00000E+00
4	1.51390E-06	4.51635E-06	7.44350E-06	1.02465E-05	0.00000E+00	1.19514E-02	3.56644E-02	5.88181E-02
5	2.33761E-06	6.92522E-06	1.12536E-05	1.51604E-05	0.00000E+00	1.71225E-02	5.07252E-02	8.24272E-02
6	1.67845E-06	4.90498E-06	7.74936E-06	9.98571E-06	0.00000E+00	1.23040E-02	3.59547E-02	5.68056E-02
7	1.29097E-06	3.73486E-06	5.77745E-06	7.19181E-06	6.19050E-06	9.46376E-03	2.73791E-02	4.23518E-02
8	9.57519E-07	2.73988E-06	4.13967E-06	4.95194E-06	0.00000E+00	7.01938E-03	2.00855E-02	3.03474E-02
9	2.06196E-06	0.00000E+00	0.00000E+00	0.00000E+00	5.67160E-14	0.00000E+00	0.00000E+00	0.00000E+00
10	8.92442E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.46850E-13	0.00000E+00	0.00000E+00	0.00000E+00
11	5.23773E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.46840E-13	0.00000E+00	0.00000E+00	0.00000E+00
12	3.60049E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.60280E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	2.34006E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.22970E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	1.50329E-07	0.00000E+00	0.00000E+00	0.00000E+00	9.33650E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	9.20850E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.56360E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	5.21961E-08	0.00000E+00	0.00000E+00	0.00000E+00	5.81070E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	3.35511E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.62710E-13	0.00000E+00	0.00000E+00	0.00000E+00
18	2.30579E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.59510E-13	0.00000E+00	0.00000E+00	0.00000E+00
19	1.41040E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.17620E-14	0.00000E+00	0.00000E+00	0.00000E+00
20	8.55731E-09	0.00000E+00	0.00000E+00	0.00000E+00	5.67680E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	5.76121E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	3.91500E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	2.88870E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	2.54877E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	2.42381E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	2.23751E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	1.97076E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

28	1.55771E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	1.08708E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	6.98477E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
31	3.50511E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	1.51779E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
33	8.96362E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
35	THROUGH 36	SAME AS ABOVE						
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.66803E-12	0.00000E+00	0.00000E+00
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.75240E-07	0.00000E+00	0.00000E+00
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.12332E-07	0.00000E+00	0.00000E+00
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.14769E-06	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.92947E-06	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.62333E-06	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.86347E-06	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.08657E-06	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.76373E-06	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.60998E-06	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.76509E-06	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.69648E-06	0.00000E+00	0.00000E+00
49	1.17235E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.09114E-03	0.00000E+00	0.00000E+00
50	1.89148E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.52191E-03	0.00000E+00	0.00000E+00
51	5.02910E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.87936E-03	0.00000E+00	0.00000E+00
52	3.73752E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.20766E-03	0.00000E+00	0.00000E+00
53	3.10631E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.38784E-03	0.00000E+00	0.00000E+00
54	2.91660E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.42549E-04	0.00000E+00	0.00000E+00
55	2.59568E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.75694E-03	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.19050E-06	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.67160E-14	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46850E-13	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46840E-13	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.60280E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22970E-14	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.33650E-14	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.56360E-14	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.81070E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.62710E-13	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.59510E-13	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.17620E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.67680E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	2.69875E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	8.10449E-02	1.29861E-03	3.87399E-03	6.38433E-03	8.78826E-03
5	1.11044E-01	2.01246E-03	5.96194E-03	9.68823E-03	1.30519E-02
6	7.31994E-02	1.44496E-03	4.22265E-03	6.67133E-03	8.59632E-03
7	5.27212E-02	1.11163E-03	3.21598E-03	4.97476E-03	6.19274E-03
8	3.63011E-02	8.24430E-04	2.35902E-03	3.56424E-03	4.26359E-03
9	0.00000E+00	2.08023E-06	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	8.99492E-07	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	5.27476E-07	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	3.62440E-07	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	2.35202E-07	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	1.50853E-07	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	9.22788E-08	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	5.22180E-08	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	3.35313E-08	0.00000E+00	0.00000E+00	0.00000E+00

18	0.00000E+00	2.30208E-08	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	1.40789E-08	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	8.55266E-09	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	5.78645E-09	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	3.97940E-09	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	2.98924E-09	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	2.64998E-09	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	2.53762E-09	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	2.36822E-09	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	2.11870E-09	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	7.22804E-09	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	1.95117E-08	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	1.91254E-08	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	1.93532E-08	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	3.15767E-08	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	3.53114E-08	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	3.35970E-08	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	3.14631E-08	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	2.94137E-08	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	2.73371E-08	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	1.12614E-08	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	2.21998E-09	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	1.11378E-09	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	1.82938E-09	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	2.63376E-09	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	3.62517E-09	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	5.48527E-09	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	1.01210E-09	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	6.29004E-10	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	1.62853E-07	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	1.27927E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	1.30679E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	1.55254E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	1.83246E-04	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	1.62455E-04	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	9.42405E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	5.19398E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 53

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	8.27373E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.54010E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.27730E-03	9.75285E-03	1.59944E-02	2.18547E-02	1.37389E-02	4.08730E-02	6.69885E-02	9.14399E-02
5	4.24669E-03	1.24767E-02	1.99330E-02	2.61524E-02	1.88799E-02	5.54695E-02	8.86179E-02	1.16274E-01
6	3.25539E-03	9.43915E-03	1.46715E-02	1.84116E-02	1.44653E-02	4.19438E-02	6.51933E-02	8.18122E-02
7	2.42135E-03	6.92339E-03	1.04445E-02	1.24630E-02	1.07594E-02	3.07641E-02	4.64104E-02	5.53788E-02
8	1.91418E-03	5.41699E-03	7.99013E-03	9.16471E-03	8.50551E-03	2.40701E-02	3.55037E-02	4.07228E-02
9	1.46282E-03	4.09329E-03	5.88861E-03	6.45179E-03	6.49955E-03	1.81874E-02	2.61647E-02	2.86665E-02
10	6.46645E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.99686E-02	0.00000E+00	0.00000E+00	0.00000E+00
11	1.29778E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.64970E-03	0.00000E+00	0.00000E+00	0.00000E+00
12	2.09662E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.92237E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	8.34374E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.38512E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	8.95030E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.19814E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	4.27575E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.41381E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	2.20790E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.12169E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	3.84659E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.53406E-03	0.00000E+00	0.00000E+00	0.00000E+00

18	5.12065E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.47461E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	1.29503E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.31355E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	7.88558E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.72432E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	4.27502E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.33027E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	2.58701E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.06477E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	1.85681E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.43470E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	1.56315E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.20007E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	1.40602E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.34445E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	1.35277E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.16409E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	1.27444E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.30181E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.15520E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.42105E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	9.12721E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.46661E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	6.19989E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.90453E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	4.91375E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.17317E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	4.25282E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.11155E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	4.12711E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.07509E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	4.10253E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.21383E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	4.20555E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.52654E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	4.54569E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.05851E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	4.83239E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.18347E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	5.22854E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.45475E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	5.56431E-05	0.00000E+00	0.00000E+00	0.00000E+00	6.22995E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	1.00223E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.30020E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	1.29040E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.65821E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	1.36372E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.30404E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	1.35110E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.33701E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	1.34195E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.35323E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	1.33315E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.36789E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	1.30665E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.32304E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	1.26617E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.14317E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	1.25527E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.70442E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	1.31005E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.98065E-04	0.00000E+00	3.17680E-07	0.00000E+00
50	1.38604E-04	0.00000E+00	2.08814E-09	0.00000E+00	5.17880E-03	0.00000E+00	2.06030E-05	0.00000E+00
51	1.95301E-04	0.00000E+00	1.99834E-08	0.00000E+00	1.29073E-02	0.00000E+00	1.33394E-05	0.00000E+00
52	2.28602E-04	0.00000E+00	5.00752E-08	0.00000E+00	1.78651E-02	0.00000E+00	1.81743E-05	0.00000E+00
53	2.30622E-04	0.00000E+00	3.90730E-08	0.00000E+00	2.29012E-02	0.00000E+00	3.05033E-05	0.00000E+00
54	2.29020E-04	0.00000E+00	4.55177E-08	0.00000E+00	2.63963E-02	0.00000E+00	3.36516E-05	0.00000E+00
55	4.35224E-04	0.00000E+00	6.12046E-08	0.00000E+00	2.30553E-02	0.00000E+00	2.19429E-05	0.00000E+00
56	1.04525E-03	0.00000E+00	8.34827E-08	0.00000E+00	1.41023E-02	0.00000E+00	1.45850E-05	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.64838E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.51281E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.42480E-02	4.23880E-02	6.94719E-02	9.48328E-02	1.36177E-02	4.05119E-02	6.63966E-02	9.06299E-02
5	1.95702E-02	5.74976E-02	9.18579E-02	1.20524E-01	1.87174E-02	5.49924E-02	8.78554E-02	1.15276E-01
6	1.49943E-02	4.34776E-02	6.75773E-02	8.48029E-02	1.43407E-02	4.15827E-02	6.46321E-02	8.11084E-02
7	1.11526E-02	3.18890E-02	4.81075E-02	5.74038E-02	1.06668E-02	3.04994E-02	4.60109E-02	5.49021E-02
8	8.81652E-03	2.49501E-02	3.68019E-02	4.22119E-02	8.43228E-03	2.38629E-02	3.51980E-02	4.03722E-02
9	6.73722E-03	1.88524E-02	2.71215E-02	2.97149E-02	6.44372E-03	1.80313E-02	2.59399E-02	2.84202E-02
10	1.33936E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.43013E-02	0.00000E+00	0.00000E+00	0.00000E+00
11	5.80013E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.05257E-02	0.00000E+00	0.00000E+00	0.00000E+00
12	3.33362E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.94668E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	2.29032E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.08862E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	1.48412E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.65285E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	9.51825E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.69960E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	8.94874E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.03350E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	7.79493E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.73603E-04	0.00000E+00	0.00000E+00	0.00000E+00
18	2.85846E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.64171E-04	0.00000E+00	0.00000E+00	0.00000E+00

19	1.68922E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.73706E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	1.64212E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.62082E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	5.25810E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.84992E-05	0.00000E+00	0.00000E+00	0.00000E+00
22	2.79858E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.88400E-05	0.00000E+00	0.00000E+00	0.00000E+00
23	2.17167E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.51999E-05	0.00000E+00	0.00000E+00	0.00000E+00
24	1.78230E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.31681E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	2.10807E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.86019E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	1.32659E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.27003E-05	0.00000E+00	0.00000E+00	0.00000E+00
27	2.05702E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.02176E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	2.35100E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.32781E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	1.39359E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.38829E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	1.59040E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.10249E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.28349E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.08701E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	1.17516E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.08349E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	1.09925E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.04870E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	9.25342E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.16306E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	8.90927E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.22715E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.00745E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.11292E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	1.09118E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.27858E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	9.67073E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.53480E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	8.29699E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.93877E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	7.06808E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.27686E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	5.69254E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.14436E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	4.88721E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.18461E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	4.69693E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.36663E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	4.64571E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.42693E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	4.60055E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.48061E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	4.41684E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.51827E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	4.09185E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.40977E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	3.85542E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.02522E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	6.21499E-04	0.00000E+00	5.45561E-07	0.00000E+00	1.01067E-04	0.00000E+00	2.30968E-06	0.00000E+00
50	3.97737E-03	0.00000E+00	3.52939E-05	0.00000E+00	6.02212E-03	0.00000E+00	1.49420E-04	0.00000E+00
51	1.02042E-02	0.00000E+00	2.20640E-05	0.00000E+00	1.48841E-02	0.00000E+00	9.34103E-05	0.00000E+00
52	1.68740E-02	0.00000E+00	2.90963E-05	0.00000E+00	1.85766E-02	0.00000E+00	1.23182E-04	0.00000E+00
53	2.26429E-02	0.00000E+00	5.07338E-05	0.00000E+00	2.32556E-02	0.00000E+00	2.14787E-04	0.00000E+00
54	2.53660E-02	0.00000E+00	5.58682E-05	0.00000E+00	2.74236E-02	0.00000E+00	2.36524E-04	0.00000E+00
55	2.13381E-02	0.00000E+00	3.50980E-05	0.00000E+00	2.40783E-02	0.00000E+00	1.48591E-04	0.00000E+00
56	1.32711E-02	0.00000E+00	2.15212E-05	0.00000E+00	1.45012E-02	0.00000E+00	9.11122E-05	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	3.54355E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.78054E-01	0.00000E+00	0.00000E+00
4	2.26774E-06	6.74631E-06	1.10550E-05	1.50873E-05	0.00000E+00	1.78992E-02	5.32722E-02	8.73826E-02
5	3.14294E-06	9.23380E-06	1.47526E-05	1.93560E-05	0.00000E+00	2.30268E-02	6.76534E-02	1.08082E-01
6	2.40795E-06	6.98209E-06	1.08525E-05	1.36190E-05	0.00000E+00	1.76514E-02	5.11805E-02	7.95536E-02
7	1.79101E-06	5.12105E-06	7.72560E-06	9.21844E-06	5.41360E-06	1.31288E-02	3.75383E-02	5.66308E-02
8	1.41585E-06	4.00672E-06	5.91023E-06	6.77872E-06	0.00000E+00	1.03790E-02	2.93721E-02	4.33251E-02
9	1.08194E-06	3.02755E-06	4.35551E-06	4.77207E-06	4.64390E-14	7.93161E-03	2.21947E-02	3.19297E-02
10	4.22112E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.20040E-13	0.00000E+00	0.00000E+00	0.00000E+00
11	1.82695E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.20020E-13	0.00000E+00	0.00000E+00	0.00000E+00
12	1.07225E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.09640E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	7.37084E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.07890E-14	0.00000E+00	0.00000E+00	0.00000E+00
14	4.79054E-08	0.00000E+00	0.00000E+00	0.00000E+00	7.33410E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	3.07748E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.26460E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	1.88507E-08	0.00000E+00	0.00000E+00	0.00000E+00	5.00620E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	1.06854E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.32580E-13	0.00000E+00	0.00000E+00	0.00000E+00
18	6.86844E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.29650E-13	0.00000E+00	0.00000E+00	0.00000E+00
19	4.72015E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.55340E-14	0.00000E+00	0.00000E+00	0.00000E+00

20	2.88731E-09	0.00000E+00	0.00000E+00	0.00000E+00	4.89390E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	1.75180E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	1.17943E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	8.01444E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	5.91379E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	5.21750E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	4.96208E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	4.58064E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	4.03445E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	3.18883E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
30	2.22537E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.68971E-10	0.00000E+00	0.00000E+00
31	1.42991E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.38068E-09	0.00000E+00	0.00000E+00
32	7.17528E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.67407E-07	0.00000E+00	0.00000E+00
33	3.63775E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.08985E-08	0.00000E+00	0.00000E+00
34	3.58102E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.22624E-07	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.87425E-07	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.04184E-06	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.52782E-06	0.00000E+00	0.00000E+00
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.21550E-06	0.00000E+00	0.00000E+00
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.51122E-06	0.00000E+00	0.00000E+00
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00068E-06	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.81581E-06	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.74302E-06	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.05373E-06	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.21076E-06	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.60501E-06	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.96825E-06	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.04214E-06	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.50404E-06	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.87754E-06	0.00000E+00	0.00000E+00
50	1.94766E-07	0.00000E+00	6.37067E-09	0.00000E+00	1.00000E+00	2.27549E-04	0.00000E+00	0.00000E+00
51	1.54106E-06	0.00000E+00	6.09671E-08	0.00000E+00	1.00000E+00	2.10324E-03	0.00000E+00	0.00000E+00
52	2.11494E-06	0.00000E+00	1.52774E-07	0.00000E+00	0.00000E+00	6.55155E-03	0.00000E+00	0.00000E+00
53	1.56167E-06	0.00000E+00	1.19207E-07	0.00000E+00	0.00000E+00	7.32554E-03	0.00000E+00	0.00000E+00
54	1.89524E-06	0.00000E+00	1.38869E-07	0.00000E+00	0.00000E+00	4.16557E-03	0.00000E+00	0.00000E+00
55	2.18373E-06	0.00000E+00	1.86728E-07	0.00000E+00	0.00000E+00	3.93100E-03	0.00000E+00	0.00000E+00
56	2.89930E-06	0.00000E+00	2.54696E-07	0.00000E+00	0.00000E+00	9.71812E-03	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.41360E-06	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.64390E-14	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20040E-13	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20020E-13	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.09640E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07890E-14	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.33410E-14	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.26460E-14	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.00620E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.32580E-13	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.29650E-13	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.55340E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.89390E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	2.99255E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	1.19434E-01	1.94547E-03	5.78722E-03	9.48311E-03	1.29405E-02
5	1.41806E-01	2.70587E-03	7.95001E-03	1.27010E-02	1.66644E-02
6	9.98338E-02	2.07304E-03	6.01106E-03	9.34269E-03	1.17244E-02
7	6.75775E-02	1.54184E-03	4.40867E-03	6.65069E-03	7.93595E-03
8	4.96926E-02	1.21914E-03	3.45017E-03	5.08902E-03	5.83712E-03

9	3.49814E-02	9.31554E-04	2.60673E-03	3.75012E-03	4.10870E-03
10	0.00000E+00	2.35213E-04	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	1.01895E-04	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	5.97765E-05	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	4.10913E-05	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	2.66721E-05	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	1.71145E-05	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	1.04741E-05	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	5.93236E-06	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	3.81477E-06	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	2.61940E-06	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	1.61098E-06	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	1.03718E-06	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	7.00079E-07	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	3.90729E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	2.79721E-07	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	2.50085E-07	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	2.40263E-07	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	2.25441E-07	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	2.03575E-07	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	1.66533E-07	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	1.18840E-07	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	9.29422E-08	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	7.19090E-08	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	4.88043E-08	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	3.76911E-08	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	3.14840E-08	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	2.37726E-08	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	1.67448E-08	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	8.81448E-09	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	2.44178E-09	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	1.54145E-09	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	4.50132E-09	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	8.05255E-10	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	1.32263E-09	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	1.90421E-09	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	2.62097E-09	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	3.96587E-09	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	1.81340E-08	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	4.63850E-07	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	8.40453E-05	0.00000E+00	7.79350E-05	0.00000E+00
50	0.00000E+00	3.76687E-03	0.00000E+00	5.04184E-03	0.00000E+00
51	0.00000E+00	7.07801E-03	0.00000E+00	3.15191E-03	0.00000E+00
52	0.00000E+00	1.03911E-02	0.00000E+00	4.15649E-03	0.00000E+00
53	0.00000E+00	9.14417E-03	0.00000E+00	7.24748E-03	0.00000E+00
54	0.00000E+00	9.65363E-03	0.00000E+00	7.98094E-03	0.00000E+00
55	0.00000E+00	7.00923E-03	0.00000E+00	5.01385E-03	0.00000E+00
56	0.00000E+00	5.52864E-03	0.00000E+00	3.07437E-03	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 54

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	8.37510E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.71599E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.35930E-03	1.58645E-02	2.57415E-02	3.46109E-02	2.24560E-02	6.64390E-02	1.07683E-01	1.44528E-01
5	6.32221E-03	1.83432E-02	2.85541E-02	3.59447E-02	2.81081E-02	8.15531E-02	1.26952E-01	1.59818E-01
6	4.47687E-03	1.27057E-02	1.88632E-02	2.18993E-02	1.98938E-02	5.64596E-02	8.38210E-02	9.73161E-02
7	3.55361E-03	9.94855E-03	1.43298E-02	1.57452E-02	1.57903E-02	4.42062E-02	6.36746E-02	6.99641E-02

8	2.74831E-03	7.58305E-03	1.05676E-02	1.08961E-02	1.22122E-02	3.36946E-02	4.69573E-02	4.84171E-02
9	2.23529E-03	6.10117E-03	8.29255E-03	8.12608E-03	9.93227E-03	2.71105E-02	3.68480E-02	3.61070E-02
10	1.75872E-03	4.74469E-03	6.27232E-03	5.78930E-03	7.81431E-03	2.10815E-02	2.78689E-02	2.57225E-02
11	1.61604E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.27648E-02	0.00000E+00	0.00000E+00	0.00000E+00
12	3.15739E-02	0.00000E+00	0.00000E+00	0.00000E+00	9.86081E-03	0.00000E+00	0.00000E+00	0.00000E+00
13	5.37645E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.87762E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	3.65476E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.04203E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	1.66662E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.62499E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	1.00255E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.69002E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	5.18427E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.46362E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	9.19281E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.06856E-02	0.00000E+00	0.00000E+00	0.00000E+00
19	1.20465E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.97521E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	3.05788E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.06356E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	1.85782E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.50525E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	1.00640E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.20319E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	6.09748E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.30502E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	4.37613E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.40569E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	3.68187E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.10899E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	3.31115E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.31872E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	3.18577E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.95566E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	3.00121E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.20350E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	2.72049E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.86830E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	2.15115E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.22864E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.46265E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.40371E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	1.15777E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.51638E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	1.00088E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.47629E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	9.71458E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.44045E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	9.65692E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.15977E-04	0.00000E+00	0.00000E+00	0.00000E+00
36	9.91018E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.19057E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	1.07334E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.45701E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	1.14508E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.63229E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	1.24825E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.18726E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	1.37540E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.90008E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	2.70832E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.77402E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	3.55967E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.95425E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	3.79267E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.52062E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	3.77300E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.90064E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	3.75168E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.03400E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	3.73094E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.15216E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	3.66642E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.41105E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	3.56572E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.65010E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	4.69009E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.35110E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	6.97406E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.87494E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	5.86122E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.26642E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	7.28427E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.78760E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	1.18424E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.33555E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	2.12104E-03	0.00000E+00	3.23879E-12	0.00000E+00	3.64880E-02	0.00000E+00	7.96557E-11	0.00000E+00
55	2.20411E-03	0.00000E+00	1.12067E-08	0.00000E+00	3.76392E-02	0.00000E+00	2.75621E-07	0.00000E+00
56	2.32813E-03	0.00000E+00	8.12543E-08	0.00000E+00	3.18062E-02	0.00000E+00	1.99839E-06	0.00000E+00
57	2.29666E-03	0.00000E+00	1.81239E-07	0.00000E+00	1.96776E-02	0.00000E+00	4.45744E-06	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.82663E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.68844E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.32885E-02	6.89023E-02	1.11679E-01	1.49892E-01	2.22576E-02	6.58519E-02	1.06730E-01	1.43247E-01
5	2.91361E-02	8.45359E-02	1.31592E-01	1.65661E-01	2.78662E-02	8.08514E-02	1.25861E-01	1.58444E-01
6	2.06211E-02	5.85242E-02	8.68856E-02	1.00873E-01	1.97227E-02	5.59740E-02	8.31002E-02	9.64803E-02
7	1.63678E-02	4.58227E-02	6.60029E-02	7.25224E-02	1.56543E-02	4.38256E-02	6.31267E-02	6.93620E-02

8	1.26587E-02	3.49268E-02	4.86743E-02	5.01874E-02	1.21072E-02	3.34045E-02	4.65533E-02	4.80004E-02
9	1.02956E-02	2.81018E-02	3.81952E-02	3.74272E-02	9.84659E-03	2.68771E-02	3.65310E-02	3.57961E-02
10	8.10006E-03	2.18527E-02	2.88880E-02	2.66630E-02	7.74718E-03	2.09001E-02	2.76295E-02	2.55015E-02
11	1.49988E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.70403E-02	0.00000E+00	0.00000E+00	0.00000E+00
12	6.49545E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.17118E-02	0.00000E+00	0.00000E+00	0.00000E+00
13	3.85156E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.00684E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	2.64645E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.81754E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	1.71581E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.12582E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	1.10347E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.00261E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	1.20195E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.21784E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.28633E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.76020E-04	0.00000E+00	0.00000E+00	0.00000E+00
19	4.67001E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.29394E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	2.39163E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.03595E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	2.09845E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.22656E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	7.87039E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.33037E-05	0.00000E+00	0.00000E+00	0.00000E+00
23	4.55062E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.22496E-05	0.00000E+00	0.00000E+00	0.00000E+00
24	3.54873E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.85546E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	3.00866E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.87209E-05	0.00000E+00	0.00000E+00	0.00000E+00
26	3.27109E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.11654E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	2.34477E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.08346E-05	0.00000E+00	0.00000E+00	0.00000E+00
28	3.08479E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.32701E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	3.56736E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.62367E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	2.07946E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.00670E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	2.09462E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.45392E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	1.69528E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.26896E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	1.57051E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.33764E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	1.48586E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.30496E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	1.29365E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.34578E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.23556E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.08198E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	1.37926E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.46548E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	1.50166E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.68320E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	1.33660E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.90727E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	1.07216E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.63354E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	9.17186E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.89568E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	7.46433E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.74956E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	6.49384E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.79053E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	6.69792E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.99857E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	6.78051E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.06762E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	6.85345E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.12908E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	7.02440E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.17157E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	7.23151E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.04278E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	1.60714E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.59419E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	9.49799E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.10861E-02	0.00000E+00	0.00000E+00	0.00000E+00
51	1.98077E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.53219E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	2.68510E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.87960E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	3.37031E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.33044E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	3.66735E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.69143E-02	0.00000E+00	0.00000E+00	0.00000E+00
55	3.63606E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.92072E-02	0.00000E+00	0.00000E+00	0.00000E+00
56	2.98052E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.29103E-02	0.00000E+00	0.00000E+00	0.00000E+00
57	1.90647E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.97207E-02	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	4.03232E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.75184E-01	0.00000E+00	0.00000E+00
4	3.70628E-06	1.09643E-05	1.77665E-05	2.38363E-05	0.00000E+00	2.92741E-02	8.66700E-02	1.40678E-01
5	4.67917E-06	1.35763E-05	2.11339E-05	2.66052E-05	0.00000E+00	3.42820E-02	9.94643E-02	1.54828E-01
6	3.31162E-06	9.39866E-06	1.39532E-05	1.61995E-05	0.00000E+00	2.42752E-02	6.88939E-02	1.02282E-01
7	2.62853E-06	7.35882E-06	1.05996E-05	1.16466E-05	4.62200E-06	1.92683E-02	5.39419E-02	7.76995E-02

8	2.03287E-06	5.60890E-06	7.81678E-06	8.05969E-06	0.00000E+00	1.49018E-02	4.11146E-02	5.73005E-02
9	1.65336E-06	4.51286E-06	6.13368E-06	6.01042E-06	3.63820E-14	1.21203E-02	3.30811E-02	4.49648E-02
10	1.30083E-06	3.50938E-06	4.63920E-06	4.28185E-06	9.38490E-14	9.53601E-03	2.57265E-02	3.40082E-02
11	7.16513E-07	0.00000E+00	0.00000E+00	0.00000E+00	9.38390E-14	0.00000E+00	0.00000E+00	0.00000E+00
12	3.10118E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.56680E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	1.82010E-07	0.00000E+00	0.00000E+00	0.00000E+00	9.14480E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	1.25115E-07	0.00000E+00	0.00000E+00	0.00000E+00	5.44340E-14	0.00000E+00	0.00000E+00	0.00000E+00
15	8.13146E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.93330E-14	0.00000E+00	0.00000E+00	0.00000E+00
16	5.22409E-08	0.00000E+00	0.00000E+00	0.00000E+00	4.16120E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	3.19988E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.03240E-13	0.00000E+00	0.00000E+00	0.00000E+00
18	1.81382E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00640E-13	0.00000E+00	0.00000E+00	0.00000E+00
19	1.16590E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.95440E-14	0.00000E+00	0.00000E+00	0.00000E+00
20	8.01258E-09	0.00000E+00	0.00000E+00	0.00000E+00	4.07080E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	4.90115E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	2.97361E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
23	2.00207E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	1.36044E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
25	1.00381E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	8.85717E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
27	8.42294E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	7.77535E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	6.84868E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.03295E-10	0.00000E+00	0.00000E+00
30	5.41318E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.50043E-09	0.00000E+00	0.00000E+00
31	3.77778E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.66799E-08	0.00000E+00	0.00000E+00
32	2.42759E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21622E-06	0.00000E+00	0.00000E+00
33	1.21850E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.02529E-08	0.00000E+00	0.00000E+00
34	4.74917E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.09363E-06	0.00000E+00	0.00000E+00
35	1.42975E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.65075E-06	0.00000E+00	0.00000E+00
36	5.48992E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.66733E-06	0.00000E+00	0.00000E+00
37	4.98735E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.91885E-05	0.00000E+00	0.00000E+00
38	4.61024E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.36039E-05	0.00000E+00	0.00000E+00
39	4.31024E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06165E-05	0.00000E+00	0.00000E+00
40	3.76745E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.52355E-06	0.00000E+00	0.00000E+00
41	3.34034E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.21307E-06	0.00000E+00	0.00000E+00
42	3.05990E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.98144E-06	0.00000E+00	0.00000E+00
43	2.82411E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.38128E-06	0.00000E+00	0.00000E+00
44	2.68989E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.14835E-05	0.00000E+00	0.00000E+00
45	2.65207E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21853E-05	0.00000E+00	0.00000E+00
46	2.62033E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28253E-05	0.00000E+00	0.00000E+00
47	2.52827E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.46442E-05	0.00000E+00	0.00000E+00
48	2.40724E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.29883E-05	0.00000E+00	0.00000E+00
49	2.24691E-14	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	9.88473E-06	0.00000E+00	0.00000E+00
50	2.06428E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.73739E-05	0.00000E+00	0.00000E+00
51	7.29557E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.39815E-04	0.00000E+00	0.00000E+00
52	5.06677E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.18104E-03	0.00000E+00	0.00000E+00
53	1.58553E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.50354E-02	0.00000E+00	0.00000E+00
54	2.73202E-06	0.00000E+00	9.88118E-12	0.00000E+00	0.00000E+00	1.30998E-02	0.00000E+00	0.00000E+00
55	3.57555E-06	0.00000E+00	3.41905E-08	0.00000E+00	0.00000E+00	6.76963E-03	0.00000E+00	0.00000E+00
56	3.91235E-06	0.00000E+00	2.47898E-07	0.00000E+00	0.00000E+00	8.39449E-03	0.00000E+00	0.00000E+00
57	4.55634E-06	0.00000E+00	5.52940E-07	0.00000E+00	4.62200E-06	1.79684E-02	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.63820E-14	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.38490E-14	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.38390E-14	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.56680E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.14480E-15	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.44340E-14	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.93330E-14	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.16120E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.03240E-13	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00640E-13	0.00000E+00	0.00000E+00	0.00000E+00

68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.95440E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.07080E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	3.43072E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	1.89239E-01	3.17992E-03	9.40659E-03	1.52412E-02	2.04445E-02
5	1.94904E-01	4.02867E-03	1.16887E-02	1.81957E-02	2.29064E-02
6	1.18745E-01	2.85109E-03	8.09150E-03	1.20130E-02	1.39466E-02
7	8.53734E-02	2.26291E-03	6.33503E-03	9.12521E-03	1.00263E-02
8	5.90821E-02	1.75006E-03	4.82868E-03	6.72938E-03	6.93844E-03
9	4.40608E-02	1.42369E-03	3.88599E-03	5.28167E-03	5.17546E-03
10	3.13896E-02	1.12001E-03	3.02157E-03	3.99439E-03	3.68667E-03
11	0.00000E+00	3.11524E-05	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	1.35630E-05	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	7.96788E-06	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	5.48382E-06	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	3.56213E-06	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	2.28921E-06	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	1.40301E-06	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	7.96972E-07	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	5.14309E-07	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	3.53752E-07	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	2.20757E-07	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	1.62111E-07	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	1.09068E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	4.15987E-08	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	8.72447E-07	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	6.35475E-08	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	3.40446E-08	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	1.81201E-08	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	1.47086E-08	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	1.34887E-08	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	1.21165E-08	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	1.13887E-08	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	1.13345E-08	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	1.28203E-08	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	2.47153E-08	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	1.89568E-08	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	1.77976E-08	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	1.55252E-08	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	1.42227E-08	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	1.91180E-08	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	6.41995E-07	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	2.30217E-06	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	2.37559E-06	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	2.43056E-06	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	2.44873E-06	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	2.46478E-06	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	2.51295E-06	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	2.55950E-06	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	2.21856E-06	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	4.65865E-06	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	1.23008E-05	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	9.95054E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	5.08448E-04	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	1.38100E-03	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	1.49058E-03	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	1.17852E-03	0.00000E+00	0.00000E+00	0.00000E+00

57	0.00000E+00	9.92838E-04	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

59 THROUGH 70 SAME AS ABOVE

0 CROSS SECTIONS FOR GRP. 55

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	9.03729E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.13115E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	8.79918E-03	2.57945E-02	4.10476E-02	5.35992E-02	3.61525E-02	1.05865E-01	1.68052E-01	2.18499E-01
5	1.05123E-02	2.96391E-02	4.34171E-02	4.93644E-02	4.67387E-02	1.31782E-01	1.93050E-01	2.19515E-01
6	6.93167E-03	1.88345E-02	2.53526E-02	2.44255E-02	3.08023E-02	8.36961E-02	1.12663E-01	1.08539E-01
7	5.22505E-03	1.38640E-02	1.76165E-02	1.48900E-02	2.32186E-02	6.16064E-02	7.82810E-02	6.61663E-02
8	4.31301E-03	1.12766E-02	1.38065E-02	1.06148E-02	1.91646E-02	5.01075E-02	6.13493E-02	4.71678E-02
9	3.47138E-03	8.93443E-03	1.05002E-02	7.18423E-03	1.54254E-02	3.97009E-02	4.66574E-02	3.19237E-02
10	2.90093E-03	7.37970E-03	8.40526E-03	5.20399E-03	1.28897E-02	3.27905E-02	3.73477E-02	2.31235E-02
11	2.34307E-03	5.88583E-03	6.47406E-03	3.53529E-03	1.04106E-02	2.61519E-02	2.87661E-02	1.57080E-02
12	4.86156E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.76638E-02	0.00000E+00	0.00000E+00	0.00000E+00
13	8.50129E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.19827E-02	0.00000E+00	0.00000E+00	0.00000E+00
14	2.23396E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.00256E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	2.48807E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.81585E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	7.14674E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.12829E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	3.80645E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.01852E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.95496E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.04563E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	3.43803E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.97226E-02	0.00000E+00	0.00000E+00	0.00000E+00
20	4.55241E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.21134E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	1.12569E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.37415E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	6.88653E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.51257E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	3.71844E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.48520E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	2.25361E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.95780E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	1.62137E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.19125E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	1.36657E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.57088E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	1.22840E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.06354E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.18147E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.23384E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	1.11204E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.12986E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	1.00724E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.30205E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	7.92472E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.20951E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	5.30168E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.28758E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	4.11997E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.14435E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	3.51790E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.98020E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	3.39014E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.92342E-04	0.00000E+00	0.00000E+00	0.00000E+00
36	3.36254E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.59520E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	3.43780E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.58208E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	3.71956E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.86346E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	3.95929E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.07546E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	4.29593E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.58205E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	4.62504E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.06557E-04	0.00000E+00	0.00000E+00	0.00000E+00
42	8.70513E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.07886E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	1.13281E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.91061E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	1.23538E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.17347E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	1.30984E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.86176E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	1.33014E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.60275E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	1.34736E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.45675E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	1.40185E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.02385E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	1.48100E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.09135E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	1.94527E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.02245E-02	0.00000E+00	0.00000E+00	0.00000E+00
51	2.69945E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.03509E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	2.09609E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.61229E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	2.26966E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.92728E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	2.58477E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.09179E-02	0.00000E+00	0.00000E+00	0.00000E+00

55	2.67944E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.08228E-02	0.00000E+00	0.00000E+00	0.00000E+00
56	3.53724E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.08950E-02	0.00000E+00	0.00000E+00	0.00000E+00
57	4.63135E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.41191E-02	0.00000E+00	0.00000E+00	0.00000E+00
58	4.07040E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.27842E-02	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	3.25173E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.10160E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.74991E-02	1.09809E-01	1.74318E-01	2.26659E-01	3.58300E-02	1.04921E-01	1.66551E-01	2.16539E-01
5	4.84479E-02	1.36600E-01	2.00110E-01	2.27541E-01	4.63369E-02	1.30651E-01	1.91389E-01	2.17628E-01
6	3.19287E-02	8.67552E-02	1.16782E-01	1.12507E-01	3.05373E-02	8.29768E-02	1.11695E-01	1.07606E-01
7	2.40675E-02	6.38590E-02	8.11435E-02	6.85855E-02	2.30189E-02	6.10764E-02	7.76075E-02	6.55975E-02
8	1.98654E-02	5.19397E-02	6.35926E-02	4.88922E-02	1.89996E-02	4.96764E-02	6.08214E-02	4.67619E-02
9	1.59894E-02	4.11526E-02	4.83634E-02	3.30910E-02	1.52928E-02	3.93593E-02	4.62559E-02	3.16491E-02
10	1.33610E-02	3.39894E-02	3.87134E-02	2.39691E-02	1.27788E-02	3.25083E-02	3.70261E-02	2.29244E-02
11	1.07912E-02	2.71083E-02	2.98178E-02	1.62823E-02	1.03212E-02	2.59273E-02	2.85190E-02	1.55731E-02
12	1.97536E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.88727E-02	0.00000E+00	0.00000E+00	0.00000E+00
13	8.55571E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.25051E-02	0.00000E+00	0.00000E+00	0.00000E+00
14	5.00766E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.29248E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	3.44269E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.01394E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	2.23530E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.25339E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	1.44559E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.08454E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.88448E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.26793E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	2.40166E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.04741E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	8.65430E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.50368E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	3.78420E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.18330E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	3.06095E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.51449E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	1.91059E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.03912E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	8.01452E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.31698E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	5.89624E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.99359E-05	0.00000E+00	0.00000E+00	0.00000E+00
26	4.91634E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.03732E-05	0.00000E+00	0.00000E+00	0.00000E+00
27	6.69379E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.29466E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	3.94831E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.89042E-05	0.00000E+00	0.00000E+00	0.00000E+00
29	5.41881E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.64570E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	5.27526E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.02704E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	3.22572E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.31105E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	3.05931E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.88270E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	2.46716E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.49011E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	2.22136E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.48259E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	2.10849E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.43335E-04	0.00000E+00	0.00000E+00	0.00000E+00
36	1.86302E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.03420E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	1.73587E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.19974E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	1.88449E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.62229E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	2.04381E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.86431E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	1.86429E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.09794E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	1.46377E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.55468E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	1.24819E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.69567E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	1.01759E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.52699E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	1.40602E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.70499E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	2.90762E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.17056E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	3.67378E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.09023E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	4.54412E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.42797E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	7.02915E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.45734E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	1.09281E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.13520E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	5.99504E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.38033E-02	0.00000E+00	0.00000E+00	0.00000E+00
51	2.10529E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.79366E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	3.13920E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.95682E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	3.81491E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.00624E-02	0.00000E+00	0.00000E+00	0.00000E+00

54	4.13639E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.07696E-02	0.00000E+00	0.00000E+00	0.00000E+00
55	4.14035E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.10832E-02	0.00000E+00	0.00000E+00	0.00000E+00
56	4.00517E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.20355E-02	0.00000E+00	0.00000E+00	0.00000E+00
57	3.27573E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.45521E-02	0.00000E+00	0.00000E+00	0.00000E+00
58	2.32697E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.19389E-02	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	4.96356E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.99466E-01	0.00000E+00	0.00000E+00
4	5.94911E-06	1.74158E-05	2.76299E-05	3.58902E-05	0.00000E+00	4.81815E-02	1.41301E-01	2.25022E-01
5	7.78092E-06	2.19379E-05	3.21377E-05	3.65440E-05	0.00000E+00	5.70036E-02	1.60717E-01	2.35424E-01
6	5.12757E-06	1.39326E-05	1.87542E-05	1.80686E-05	0.00000E+00	3.75845E-02	1.02127E-01	1.37471E-01
7	3.86507E-06	1.02555E-05	1.30310E-05	1.10143E-05	3.71400E-06	2.83319E-02	7.51756E-02	9.55217E-02
8	3.19022E-06	8.34113E-06	1.02123E-05	7.85161E-06	0.00000E+00	2.33861E-02	6.11441E-02	7.48622E-02
9	2.56773E-06	6.60854E-06	7.76668E-06	5.31426E-06	2.56240E-14	1.88226E-02	4.84455E-02	5.69343E-02
10	2.14569E-06	5.45819E-06	6.21697E-06	3.84916E-06	6.59180E-14	1.57293E-02	4.00127E-02	4.55751E-02
11	1.73303E-06	4.35335E-06	4.78858E-06	2.61483E-06	6.59110E-14	1.27046E-02	3.19138E-02	3.51035E-02
12	2.05872E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.92740E-14	4.23914E-07	0.00000E+00	0.00000E+00
13	8.91066E-08	0.00000E+00	0.00000E+00	0.00000E+00	7.02540E-15	1.83957E-07	0.00000E+00	0.00000E+00
14	5.22966E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.61510E-14	1.07999E-07	0.00000E+00	0.00000E+00
15	3.59508E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.49590E-14	7.44827E-08	0.00000E+00	0.00000E+00
16	2.33651E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.13370E-14	4.85180E-08	0.00000E+00	0.00000E+00
17	1.50106E-08	0.00000E+00	0.00000E+00	0.00000E+00	7.21750E-14	3.12540E-08	0.00000E+00	0.00000E+00
18	9.19446E-09	0.00000E+00	0.00000E+00	0.00000E+00	7.00980E-14	1.92291E-08	0.00000E+00	0.00000E+00
19	5.21189E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.33800E-14	1.09177E-08	0.00000E+00	0.00000E+00
20	3.35011E-09	0.00000E+00	0.00000E+00	0.00000E+00	3.06770E-14	7.07579E-09	0.00000E+00	0.00000E+00
21	2.30234E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.95738E-09	0.00000E+00	0.00000E+00
22	1.40835E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.21207E-09	0.00000E+00	0.00000E+00
23	8.54459E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.28252E-09	0.00000E+00	0.00000E+00
24	5.75315E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.94409E-09	0.00000E+00	0.00000E+00
25	3.90956E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.46397E-09	0.00000E+00	0.00000E+00
26	2.88500E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.57334E-09	0.00000E+00	0.00000E+00
27	2.54571E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.45387E-09	0.00000E+00	0.00000E+00
28	2.42102E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.01991E-08	0.00000E+00	0.00000E+00
29	2.23499E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.38926E-08	0.00000E+00	0.00000E+00
30	1.96872E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.49558E-08	0.00000E+00	0.00000E+00
31	1.55660E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.24053E-06	0.00000E+00	0.00000E+00
32	1.08719E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.81684E-05	0.00000E+00	0.00000E+00
33	6.99664E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.52379E-05	0.00000E+00	0.00000E+00
34	3.54746E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.26715E-07	0.00000E+00	0.00000E+00
35	1.89862E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.80826E-05	0.00000E+00	0.00000E+00
36	2.31904E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.65480E-06	0.00000E+00	0.00000E+00
37	3.21128E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.18630E-05	0.00000E+00	0.00000E+00
38	2.91728E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.24374E-05	0.00000E+00	0.00000E+00
39	2.69672E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.84357E-05	0.00000E+00	0.00000E+00
40	2.52117E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.80333E-05	0.00000E+00	0.00000E+00
41	2.20374E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.28331E-06	0.00000E+00	0.00000E+00
42	1.95383E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.31794E-06	0.00000E+00	0.00000E+00
43	1.78982E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.85934E-06	0.00000E+00	0.00000E+00
44	1.65190E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.20939E-06	0.00000E+00	0.00000E+00
45	1.57340E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.45353E-06	0.00000E+00	0.00000E+00
46	1.55126E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.47563E-06	0.00000E+00	0.00000E+00
47	2.49591E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.46672E-06	0.00000E+00	0.00000E+00
48	2.69744E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.39091E-03	0.00000E+00	0.00000E+00
49	2.06631E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.16158E-02	0.00000E+00	0.00000E+00
50	3.55763E-07	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.36942E-02	0.00000E+00	0.00000E+00
51	1.99107E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.36747E-02	0.00000E+00	0.00000E+00
52	4.45167E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.89697E-02	0.00000E+00	0.00000E+00

53	6.86970E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.33146E-02	0.00000E+00	0.00000E+00
54	7.51583E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.52875E-02	0.00000E+00	0.00000E+00
55	5.48663E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.18830E-02	0.00000E+00	0.00000E+00
56	5.57304E-06	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.78319E-02	0.00000E+00	0.00000E+00
57	4.84353E-06	0.00000E+00	0.00000E+00	0.00000E+00	3.71400E-06	2.97327E-02	0.00000E+00	0.00000E+00
58	3.81249E-06	0.00000E+00	0.00000E+00	0.00000E+00	2.56240E-14	4.22924E-02	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.59180E-14	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.59110E-14	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.92740E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.02540E-15	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.61510E-14	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.49590E-14	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.13370E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.21750E-14	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.00980E-14	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.33800E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.06770E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	4.25354E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	2.94130E-01	5.09970E-03	1.49275E-02	2.36761E-02	3.07425E-02
5	2.67671E-01	6.69962E-03	1.88898E-02	2.76721E-02	3.14660E-02
6	1.32443E-01	4.41475E-03	1.19958E-02	1.61471E-02	1.55566E-02
7	8.07380E-02	3.32756E-03	8.82913E-03	1.12189E-02	9.48261E-03
8	5.75578E-02	2.74650E-03	7.18102E-03	8.79188E-03	6.75943E-03
9	3.89537E-02	2.21050E-03	5.68926E-03	6.68614E-03	4.57481E-03
10	2.82171E-02	1.84762E-03	4.70013E-03	5.35339E-03	3.31439E-03
11	1.91690E-02	1.49213E-03	3.74825E-03	4.12295E-03	2.25136E-03
12	0.00000E+00	1.77707E-02	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	7.69698E-03	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	4.51783E-03	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	3.10690E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	2.01774E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	1.29578E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	7.93651E-04	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	4.49578E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	2.88630E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	1.98011E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	1.21193E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	7.45564E-05	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	4.95467E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	3.23497E-05	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	2.34963E-05	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	1.96498E-05	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	1.85985E-05	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	1.69537E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	1.45476E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	1.13870E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	7.96547E-06	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	5.49749E-06	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	3.75942E-06	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	3.04193E-06	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	2.67354E-06	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	2.46977E-06	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	2.37186E-06	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	2.30788E-06	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	2.29345E-06	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	2.28371E-06	0.00000E+00	0.00000E+00	0.00000E+00

42	0.00000E+00	1.67975E-06	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	3.79583E-08	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	1.84617E-10	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	3.12694E-09	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	3.21942E-08	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	3.41713E-06	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	3.65010E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	3.84564E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	7.02831E-05	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	2.60131E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	3.84828E-04	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	3.27036E-04	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	3.14230E-04	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	3.87784E-04	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	6.41999E-04	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	7.27489E-04	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	5.14144E-04	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 56

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	1.01477E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.60204E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.09680E-02	3.20770E-02	5.08344E-02	6.59949E-02	4.31974E-02	1.26193E-01	1.99337E-01	2.57192E-01
5	1.11090E-02	3.08172E-02	4.35657E-02	4.64779E-02	4.94392E-02	1.37160E-01	1.93930E-01	2.06965E-01
6	5.82988E-03	1.49049E-02	1.72130E-02	1.11730E-02	2.59084E-02	6.62368E-02	7.64929E-02	4.96529E-02
7	4.16578E-03	1.02306E-02	1.05439E-02	4.30416E-03	1.85116E-02	4.54626E-02	4.68539E-02	1.91269E-02
8	3.29911E-03	7.89447E-03	7.51060E-03	1.75613E-03	1.46602E-02	3.50807E-02	3.33754E-02	7.80376E-03
9	2.80022E-03	6.59383E-03	5.95108E-03	6.89413E-04	1.24425E-02	2.92994E-02	2.64440E-02	3.06340E-03
10	2.31418E-03	5.35602E-03	4.55533E-03	-9.34903E-05	1.02831E-02	2.37998E-02	2.02416E-02	-4.15405E-04
11	1.96681E-03	4.49393E-03	3.64866E-03	-4.74146E-04	8.73929E-03	1.99682E-02	1.62122E-02	-2.10682E-03
12	1.61351E-03	3.63575E-03	2.80078E-03	-7.21121E-04	7.16914E-03	1.61545E-02	1.24446E-02	-3.20416E-03
13	4.78974E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.33818E-02	0.00000E+00	0.00000E+00	0.00000E+00
14	8.07999E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.01274E-02	0.00000E+00	0.00000E+00	0.00000E+00
15	2.43809E-02	0.00000E+00	0.00000E+00	0.00000E+00	5.86289E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	2.84375E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.03146E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	8.44387E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.61770E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	3.38898E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.68517E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	1.74240E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.51985E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	3.12833E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.21121E-02	0.00000E+00	0.00000E+00	0.00000E+00
21	4.07430E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.46160E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	1.01414E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.57792E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	6.19825E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.88238E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	3.34426E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.37728E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	2.03122E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.60972E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	1.46333E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.88458E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	1.23315E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.61502E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.10867E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.80285E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	1.06672E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.39044E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	1.00455E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.66229E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	9.10520E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.87378E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	7.18216E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.62417E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	4.83205E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.63657E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	3.76273E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.11170E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	3.21570E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.04609E-04	0.00000E+00	0.00000E+00	0.00000E+00
36	3.09384E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.02336E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	3.06951E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.91341E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	3.14306E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.72743E-05	0.00000E+00	0.00000E+00	0.00000E+00

39	3.40342E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00234E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	3.63137E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.12331E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	3.96259E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.03739E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	4.42019E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.66253E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	9.01457E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.61090E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	1.27205E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.96216E-04	0.00000E+00	0.00000E+00	0.00000E+00
45	1.52983E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.93042E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	1.75050E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.19890E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	1.81625E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.00949E-03	0.00000E+00	0.00000E+00	0.00000E+00
48	1.87344E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.09988E-03	0.00000E+00	0.00000E+00	0.00000E+00
49	2.05147E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.50566E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.31066E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.99969E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	2.69379E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.23105E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	3.02344E-03	0.00000E+00	7.74870E-09	0.00000E+00	1.94524E-02	0.00000E+00	1.90574E-07	0.00000E+00
53	2.29774E-03	0.00000E+00	7.09110E-08	0.00000E+00	2.35969E-02	0.00000E+00	1.74401E-06	0.00000E+00
54	2.51254E-03	0.00000E+00	2.47703E-07	0.00000E+00	2.51278E-02	0.00000E+00	6.09208E-06	0.00000E+00
55	2.93153E-03	0.00000E+00	3.26725E-07	0.00000E+00	2.45225E-02	0.00000E+00	8.03556E-06	0.00000E+00
56	2.95076E-03	0.00000E+00	2.71382E-07	0.00000E+00	2.40532E-02	0.00000E+00	6.67444E-06	0.00000E+00
57	3.64375E-03	0.00000E+00	2.90640E-07	0.00000E+00	2.64757E-02	0.00000E+00	7.14808E-06	0.00000E+00
58	4.30283E-03	0.00000E+00	3.10699E-07	0.00000E+00	1.98110E-02	0.00000E+00	7.64143E-06	0.00000E+00
59	3.85947E-03	0.00000E+00	2.36734E-07	0.00000E+00	1.54166E-02	0.00000E+00	5.82230E-06	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	3.73738E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.56903E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	4.48224E-02	1.30942E-01	2.06854E-01	2.66911E-01	4.28048E-02	1.25046E-01	1.97518E-01	2.54835E-01
5	5.12468E-02	1.42174E-01	2.01023E-01	2.14531E-01	4.90142E-02	1.35982E-01	1.92260E-01	2.05185E-01
6	2.68558E-02	6.86586E-02	7.92901E-02	5.14686E-02	2.56858E-02	6.56676E-02	7.58352E-02	4.92260E-02
7	1.91884E-02	4.71250E-02	4.85672E-02	1.98261E-02	1.83525E-02	4.50715E-02	4.64510E-02	1.89624E-02
8	1.51962E-02	3.63635E-02	3.45956E-02	8.08914E-03	1.45342E-02	3.47789E-02	3.30885E-02	7.73666E-03
9	1.28975E-02	3.03706E-02	2.74110E-02	3.17543E-03	1.23353E-02	2.90472E-02	2.62164E-02	3.03702E-03
10	1.06592E-02	2.46700E-02	2.09819E-02	-4.30594E-04	1.01946E-02	2.35951E-02	2.00674E-02	-4.11841E-04
11	9.05907E-03	2.06984E-02	1.68051E-02	-2.18386E-03	8.66392E-03	1.97962E-02	1.60725E-02	-2.08868E-03
12	7.43132E-03	1.67451E-02	1.28996E-02	-3.32133E-03	7.10753E-03	1.60157E-02	1.23377E-02	-3.17663E-03
13	1.86718E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.75073E-02	0.00000E+00	0.00000E+00	0.00000E+00
14	8.08506E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.19136E-02	0.00000E+00	0.00000E+00	0.00000E+00
15	4.70720E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.87023E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	3.23343E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.72335E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	2.09504E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.06447E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.34501E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.96273E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	1.42188E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.19254E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	1.47139E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.59547E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	5.33803E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.11750E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	2.28675E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.45006E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	1.82720E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.16843E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	8.19061E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.84406E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	4.90199E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.34750E-05	0.00000E+00	0.00000E+00	0.00000E+00
26	4.48743E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.39395E-06	0.00000E+00	0.00000E+00	0.00000E+00
27	4.00321E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.67574E-05	0.00000E+00	0.00000E+00	0.00000E+00
28	3.80396E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.26920E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	2.92141E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.11193E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	3.77458E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.41096E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	3.70729E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.57148E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	1.97762E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.68565E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	1.71086E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.27415E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	1.41592E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.59105E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	1.29183E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.77197E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.22710E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.57845E-05	0.00000E+00	0.00000E+00	0.00000E+00

37	1.12499E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.79213E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	1.04596E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.56582E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	1.11580E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.52867E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	1.22189E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.64931E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	1.15342E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.08834E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	8.77662E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.29789E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	8.50982E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.27982E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	2.69612E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.23286E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	6.60512E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.29751E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	9.60496E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.30347E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	1.04386E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.55716E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	1.12572E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.82354E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	1.07213E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.22332E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.60073E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.53050E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	9.55684E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.30497E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	2.06461E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.59124E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	2.66084E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.95519E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	2.94587E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.08568E-02	0.00000E+00	0.00000E+00	0.00000E+00
55	2.76983E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.13718E-02	0.00000E+00	0.00000E+00	0.00000E+00
56	2.68030E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.19537E-02	0.00000E+00	0.00000E+00	0.00000E+00
57	2.94640E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.28566E-02	0.00000E+00	0.00000E+00	0.00000E+00
58	1.97458E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.88483E-02	0.00000E+00	0.00000E+00	0.00000E+00
59	1.72140E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.37236E-02	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	5.88328E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.52154E-01	0.00000E+00	0.00000E+00
4	7.06080E-06	2.06170E-05	3.25345E-05	4.19078E-05	0.00000E+00	6.03523E-02	1.76649E-01	2.80297E-01
5	8.23048E-06	2.28344E-05	3.22867E-05	3.44573E-05	0.00000E+00	6.02368E-02	1.67101E-01	2.36219E-01
6	4.31288E-06	1.10264E-05	1.27337E-05	8.26573E-06	0.00000E+00	3.16133E-02	8.08205E-02	9.33377E-02
7	3.08160E-06	7.56802E-06	7.79988E-06	3.18399E-06	2.92700E-06	2.25883E-02	5.54728E-02	5.71718E-02
8	2.44041E-06	5.83973E-06	5.55563E-06	1.29905E-06	0.00000E+00	1.78889E-02	4.28071E-02	4.07253E-02
9	2.07124E-06	4.87723E-06	4.40194E-06	5.09939E-07	1.98870E-14	1.51832E-02	3.57534E-02	3.22685E-02
10	1.71175E-06	3.96177E-06	3.36948E-06	-6.91519E-08	5.11030E-14	1.25478E-02	2.90415E-02	2.46998E-02
11	1.45475E-06	3.32395E-06	2.69877E-06	-3.50707E-07	5.10980E-14	1.06647E-02	2.43669E-02	1.97837E-02
12	1.19344E-06	2.68914E-06	2.07155E-06	-5.33382E-07	1.53450E-14	8.74882E-03	1.97137E-02	1.51862E-02
13	8.82579E-07	0.00000E+00	0.00000E+00	0.00000E+00	5.64170E-15	2.37189E-05	0.00000E+00	0.00000E+00
14	3.82000E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.86970E-14	1.02928E-05	0.00000E+00	0.00000E+00
15	2.24194E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.20440E-14	6.04281E-06	0.00000E+00	0.00000E+00
16	1.54114E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.49760E-14	4.16755E-06	0.00000E+00	0.00000E+00
17	1.00165E-07	0.00000E+00	0.00000E+00	0.00000E+00	5.58490E-14	2.71465E-06	0.00000E+00	0.00000E+00
18	6.43474E-08	0.00000E+00	0.00000E+00	0.00000E+00	5.42050E-14	1.74874E-06	0.00000E+00	0.00000E+00
19	3.94155E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.02720E-14	1.07594E-06	0.00000E+00	0.00000E+00
20	2.23427E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.44570E-14	6.10880E-07	0.00000E+00	0.00000E+00
21	1.43611E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.95904E-07	0.00000E+00	0.00000E+00
22	9.86980E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.77374E-07	0.00000E+00	0.00000E+00
23	6.03728E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.79681E-07	0.00000E+00	0.00000E+00
24	3.66283E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27247E-07	0.00000E+00	0.00000E+00
25	2.46608E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07544E-07	0.00000E+00	0.00000E+00
26	1.67576E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.12668E-07	0.00000E+00	0.00000E+00
27	1.23650E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.37187E-07	0.00000E+00	0.00000E+00
28	1.09096E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.58487E-07	0.00000E+00	0.00000E+00
29	1.03747E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.72439E-07	0.00000E+00	0.00000E+00
30	9.57771E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.98496E-07	0.00000E+00	0.00000E+00
31	8.43550E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.72649E-07	0.00000E+00	0.00000E+00
32	6.66739E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.69965E-06	0.00000E+00	0.00000E+00
33	4.65314E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.01805E-05	0.00000E+00	0.00000E+00
34	2.98981E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.68285E-05	0.00000E+00	0.00000E+00

35	1.49840E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.98265E-[illegible]	0.00000E+00	0.00000E+00
36	6.14602E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.58094E-05	0.00000E+00	0.00000E+00
37	2.76917E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.79740E-05	0.00000E+00	0.00000E+00
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.73499E-05	0.00000E+00	0.00000E+00
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22816E-04	0.00000E+00	0.00000E+00
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.81516E-05	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.68222E-05	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.14499E-05	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.39362E-05	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.58771E-05	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.80410E-05	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.98605E-05	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.03950E-05	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.08470E-05	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.17668E-05	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.69922E-05	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.23951E-05	0.00000E+00	0.00000E+00
52	5.08642E-07	0.00000E+00	2.36404E-08	0.00000E+00	0.00000E+00	1.47933E-03	0.00000E+00	0.00000E+00
53	1.79365E-06	0.00000E+00	2.16341E-07	0.00000E+00	1.00000E+00	1.02147E-02	0.00000E+00	0.00000E+00
54	3.38149E-06	0.00000E+00	7.55714E-07	0.00000E+00	0.00000E+00	1.51621E-02	0.00000E+00	0.00000E+00
55	2.89472E-06	0.00000E+00	9.96800E-07	0.00000E+00	0.00000E+00	1.62063E-02	0.00000E+00	0.00000E+00
56	1.82751E-06	0.00000E+00	8.27955E-07	0.00000E+00	0.00000E+00	1.32110E-02	0.00000E+00	0.00000E+00
57	1.52171E-06	0.00000E+00	8.86710E-07	0.00000E+00	2.92700E-06	9.47629E-03	0.00000E+00	0.00000E+00
58	1.29280E-06	0.00000E+00	9.47909E-07	0.00000E+00	1.98870E-14	1.82040E-02	0.00000E+00	0.00000E+00
59	8.36704E-07	0.00000E+00	7.22248E-07	0.00000E+00	5.11030E-14	2.63124E-02	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.10980E-14	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.53450E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.64170E-15	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.86970E-14	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20440E-14	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.49760E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.58490E-14	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.42050E-14	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02720E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.44570E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	5.05766E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	3.64496E-01	6.05421E-03	1.76756E-02	2.78857E-02	3.59043E-02
5	2.51999E-01	7.08844E-03	1.96656E-02	2.78059E-02	2.96751E-02
6	6.05865E-02	3.71364E-03	9.49441E-03	1.09642E-02	7.11707E-03
7	2.33389E-02	2.65320E-03	6.51589E-03	6.71543E-03	2.74134E-03
8	9.52248E-03	2.10104E-03	5.02775E-03	4.78316E-03	1.11839E-03
9	3.73799E-03	1.78317E-03	4.19885E-03	3.78965E-03	4.39005E-04
10	-5.06922E-04	1.47363E-03	3.41065E-03	2.90074E-03	-5.95346E-05
11	-2.57093E-03	1.25269E-03	2.86221E-03	2.32385E-03	-3.02008E-04
12	-3.91021E-03	1.02755E-03	2.31537E-03	1.78362E-03	-4.59250E-04
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	THROUGH 34	SAME AS ABOVE			
35	0.00000E+00	2.82116E-09	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	8.93246E-09	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	9.17909E-09	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	9.59713E-09	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	1.02099E-08	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	8.05557E-09	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	8.12670E-12	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	4.66432E-11	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	1.59055E-11	0.00000E+00	0.00000E+00	0.00000E+00

44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45 THROUGH	52 SAME AS ABOVE				
53	0.00000E+00	6.31974E-08	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	4.90244E-07	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	1.01014E-06	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	8.45984E-06	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	6.76021E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	1.04039E-04	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	7.43811E-05	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61 THROUGH	70 SAME AS ABOVE				

0 CROSS SECTIONS FOR GRP. 57

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH	2 SAME AS ABOVE							
3	1.26754E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.28692E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.96185E-02	5.61236E-02	8.52104E-02	1.03739E-01	7.58062E-02	2.16284E-01	3.25549E-01	3.89624E-01
5	2.02359E-02	5.35990E-02	6.81677E-02	5.89070E-02	9.01083E-02	2.38697E-01	3.03693E-01	2.62682E-01
6	1.18888E-02	2.85867E-02	2.78248E-02	8.56009E-03	5.28361E-02	1.27046E-01	1.23657E-01	3.80454E-02
7	7.09763E-03	1.55126E-02	1.06466E-02	-5.57014E-03	3.15409E-02	6.89366E-02	4.73130E-02	-2.47531E-02
8	5.36831E-03	1.11900E-02	6.11549E-03	-7.17132E-03	2.38558E-02	4.97253E-02	2.71767E-02	-3.18681E-02
9	4.38386E-03	8.86076E-03	4.04491E-03	-7.17398E-03	1.94805E-02	3.93743E-02	1.79741E-02	-3.18788E-02
10	3.78117E-03	7.49750E-03	3.00425E-03	-6.81883E-03	1.68018E-02	3.33153E-02	1.33497E-02	-3.02997E-02
11	3.17021E-03	6.15763E-03	2.09937E-03	-6.23452E-03	1.40869E-02	2.73624E-02	9.32863E-03	-2.77026E-02
12	2.71801E-03	5.19874E-03	1.54083E-03	-5.64845E-03	1.20771E-02	2.31003E-02	6.84654E-03	-2.50979E-02
13	2.24697E-03	4.22688E-03	1.04942E-03	-4.92107E-03	9.98383E-03	1.87808E-02	4.66283E-03	-2.18653E-02
14	7.88915E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.36162E-02	0.00000E+00	0.00000E+00	0.00000E+00
15	1.37416E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.89805E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	3.13217E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.43357E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	2.86602E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.36146E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.08007E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.53411E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	3.30251E-01	0.00000E+00	0.00000E+00	0.00000E+00	9.88869E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	1.71818E-01	0.00000E+00	0.00000E+00	0.00000E+00	8.87934E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	3.26715E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.96429E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	4.03823E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.58516E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	1.05846E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.05768E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	6.41683E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.29880E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	3.46588E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.27955E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	2.11782E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.18261E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	1.53246E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.70690E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.29166E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.99768E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	1.16332E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.26183E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	1.12211E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.49058E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.06086E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.14130E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	9.66160E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.90214E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	7.75705E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.63424E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	5.45930E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.51856E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	4.40595E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.10311E-04	0.00000E+00	0.00000E+00	0.00000E+00
36	3.85485E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.03607E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	3.74399E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.02708E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	3.74286E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.17879E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	3.88948E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.70378E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	4.24793E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.67695E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	4.60418E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.07155E-04	0.00000E+00	0.00000E+00	0.00000E+00
42	5.19143E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.58569E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	7.25141E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.31717E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	2.03005E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.98169E-03	0.00000E+00	0.00000E+00	0.00000E+00
45	3.26980E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.41306E-02	0.00000E+00	0.00000E+00	0.00000E+00
46	4.16601E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.77849E-02	0.00000E+00	0.00000E+00	0.00000E+00

47	4.57236E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.04832E-02	0.00000E+00	0.00000E+00	0.00000E+00
48	4.68388E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.11910E-02	0.00000E+00	0.00000E+00	0.00000E+00
49	4.78062E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.18759E-02	0.00000E+00	0.00000E+00	0.00000E+00
50	5.07755E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.44749E-02	0.00000E+00	0.00000E+00	0.00000E+00
51	5.50226E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.99261E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	5.83307E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.08793E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	5.83148E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.88024E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	4.97348E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.97285E-02	0.00000E+00	0.00000E+00	0.00000E+00
55	5.55084E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.44751E-02	0.00000E+00	0.00000E+00	0.00000E+00
56	6.12121E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.90051E-02	0.00000E+00	0.00000E+00	0.00000E+00
57	6.85158E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.29341E-02	0.00000E+00	0.00000E+00	0.00000E+00
58	7.75683E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.35240E-02	0.00000E+00	0.00000E+00	0.00000E+00
59	7.85335E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.25038E-02	0.00000E+00	0.00000E+00	0.00000E+00
60	7.37267E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.51628E-02	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	4.44717E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.24758E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	7.86728E-02	2.24475E-01	3.37922E-01	4.04520E-01	7.51094E-02	2.14290E-01	3.22530E-01	3.85971E-01
5	9.34009E-02	2.47422E-01	3.14788E-01	2.72276E-01	8.93344E-02	2.36646E-01	3.01085E-01	2.60427E-01
6	5.47685E-02	1.31690E-01	1.28181E-01	3.94367E-02	5.23814E-02	1.25954E-01	1.22592E-01	3.77180E-02
7	3.26942E-02	7.14575E-02	4.90430E-02	-2.56582E-02	3.12697E-02	6.83438E-02	4.69063E-02	-2.45403E-02
8	2.47279E-02	5.15433E-02	2.81704E-02	-3.30332E-02	2.36508E-02	4.92978E-02	2.69429E-02	-3.15941E-02
9	2.01927E-02	4.08138E-02	1.86313E-02	-3.30447E-02	1.93130E-02	3.90357E-02	1.78194E-02	-3.16043E-02
10	1.74163E-02	3.45334E-02	1.38377E-02	-3.14076E-02	1.66571E-02	3.30286E-02	1.32349E-02	-3.00390E-02
11	1.46021E-02	2.83628E-02	9.66965E-03	-2.87155E-02	1.39656E-02	2.71271E-02	9.24848E-03	-2.74641E-02
12	1.25189E-02	2.39449E-02	7.09688E-03	-2.60157E-02	1.19729E-02	2.29016E-02	6.78761E-03	-2.48817E-02
13	1.03489E-02	1.94678E-02	4.83335E-03	-2.26650E-02	9.89801E-03	1.86193E-02	4.62276E-03	-2.16773E-02
14	1.76806E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.28960E-02	0.00000E+00	0.00000E+00	0.00000E+00
15	7.65160E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.58557E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	4.47165E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.23503E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	3.06533E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.22433E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.97599E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.44345E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	1.25253E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.25148E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	1.09298E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.63209E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	8.58764E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.14207E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	3.15841E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.04295E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	1.66540E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.58471E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	1.37261E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.25010E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	5.81312E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.20367E-05	0.00000E+00	0.00000E+00	0.00000E+00
26	3.26552E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.10043E-05	0.00000E+00	0.00000E+00	0.00000E+00
27	4.66752E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.22286E-06	0.00000E+00	0.00000E+00	0.00000E+00
28	4.88616E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.20718E-05	0.00000E+00	0.00000E+00	0.00000E+00
29	4.05730E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.03744E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	3.31531E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.11949E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	3.94918E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.16922E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	4.32092E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.14548E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	2.24939E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.23544E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	1.86116E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.74324E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	1.59093E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.53291E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.46494E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.64084E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	1.41380E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.48618E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	1.31683E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.08363E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	1.21837E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.54101E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	1.29969E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.74512E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	1.41294E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.46085E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	1.41496E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.22553E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	1.45085E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.53311E-05	0.00000E+00	0.00000E+00	0.00000E+00

44	1.00708E-02	0.00000E+00	0.00000E+00	0.00000E+00	5.99519E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	2.99125E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.06110E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	3.75127E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.69985E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	4.12080E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.00803E-03	0.00000E+00	0.00000E+00	0.00000E+00
48	4.19011E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.71379E-03	0.00000E+00	0.00000E+00	0.00000E+00
49	4.25921E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.33898E-03	0.00000E+00	0.00000E+00	0.00000E+00
50	4.58166E-02	0.00000E+00	0.00000E+00	0.00000E+00	5.29550E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	5.41763E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.18249E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	7.32881E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.42747E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	9.11511E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.00821E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	9.52227E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.54270E-02	0.00000E+00	0.00000E+00	0.00000E+00
55	9.52133E-02	0.00000E+00	0.00000E+00	0.00000E+00	5.33738E-02	0.00000E+00	0.00000E+00	0.00000E+00
56	9.74183E-02	0.00000E+00	0.00000E+00	0.00000E+00	5.98959E-02	0.00000E+00	0.00000E+00	0.00000E+00
57	9.78170E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.61382E-02	0.00000E+00	0.00000E+00	0.00000E+00
58	9.12526E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.19885E-02	0.00000E+00	0.00000E+00	0.00000E+00
59	7.78085E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.09872E-02	0.00000E+00	0.00000E+00	0.00000E+00
60	6.04649E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.83639E-02	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	7.06720E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.83594E-01	0.00000E+00	0.00000E+00
4	1.23512E-05	3.52012E-05	5.28609E-05	6.30025E-05	0.00000E+00	1.08267E-01	3.10211E-01	4.72017E-01
5	1.50022E-05	3.97426E-05	5.05654E-05	4.37410E-05	0.00000E+00	1.09728E-01	2.90623E-01	3.69609E-01
6	8.79540E-06	2.11486E-05	2.05853E-05	6.33336E-06	0.00000E+00	6.44697E-02	1.55020E-01	1.50889E-01
7	5.25053E-06	1.14759E-05	7.87588E-06	-4.12059E-06	2.31550E-06	3.84852E-02	8.41164E-02	5.77327E-02
8	3.97115E-06	8.27740E-06	4.52398E-06	-5.30483E-06	0.00000E+00	2.91092E-02	6.06756E-02	3.31603E-02
9	3.24280E-06	6.55424E-06	2.99208E-06	-5.30688E-06	1.52390E-14	2.37707E-02	4.80463E-02	2.19328E-02
10	2.79684E-06	5.54569E-06	2.22220E-06	-5.04372E-06	3.91530E-14	2.05022E-02	4.06527E-02	1.62898E-02
11	2.34493E-06	4.55480E-06	1.55282E-06	-4.61154E-06	3.91490E-14	1.71895E-02	3.33879E-02	1.13829E-02
12	2.01037E-06	3.84527E-06	1.13969E-06	-4.17783E-06	1.18200E-14	1.47375E-02	2.81887E-02	8.35457E-03
13	1.66196E-06	3.12639E-06	7.76197E-07	-3.63981E-06	4.35560E-15	1.21836E-02	2.29189E-02	5.69013E-03
14	6.33034E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.54280E-14	7.06788E-07	0.00000E+00	0.00000E+00
15	2.74286E-09	0.00000E+00	0.00000E+00	0.00000E+00	9.30520E-15	3.06720E-07	0.00000E+00	0.00000E+00
16	1.61091E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.92430E-14	1.80070E-07	0.00000E+00	0.00000E+00
17	1.10730E-09	0.00000E+00	0.00000E+00	0.00000E+00	4.27880E-14	1.24185E-07	0.00000E+00	0.00000E+00
18	7.19655E-10	0.00000E+00	0.00000E+00	0.00000E+00	4.16510E-14	8.08931E-08	0.00000E+00	0.00000E+00
19	4.62352E-10	0.00000E+00	0.00000E+00	0.00000E+00	7.89220E-15	5.21109E-08	0.00000E+00	0.00000E+00
20	2.83161E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.88450E-14	3.20616E-08	0.00000E+00	0.00000E+00
21	1.60576E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.82037E-08	0.00000E+00	0.00000E+00
22	1.03208E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.17976E-08	0.00000E+00	0.00000E+00
23	7.09592E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.26549E-09	0.00000E+00	0.00000E+00
24	4.34401E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.35493E-09	0.00000E+00	0.00000E+00
25	2.63262E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.79903E-09	0.00000E+00	0.00000E+00
26	1.77473E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.22378E-09	0.00000E+00	0.00000E+00
27	1.20870E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.59778E-09	0.00000E+00	0.00000E+00
28	8.94759E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.65351E-09	0.00000E+00	0.00000E+00
29	7.91496E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.52647E-09	0.00000E+00	0.00000E+00
30	7.54041E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.68383E-09	0.00000E+00	0.00000E+00
31	6.96532E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10589E-08	0.00000E+00	0.00000E+00
32	6.15323E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.80915E-08	0.00000E+00	0.00000E+00
33	4.91797E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.17839E-07	0.00000E+00	0.00000E+00
34	3.73859E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06696E-05	0.00000E+00	0.00000E+00
35	3.23697E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.35769E-05	0.00000E+00	0.00000E+00
36	1.79680E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.60141E-07	0.00000E+00	0.00000E+00
37	9.79943E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.48851E-06	0.00000E+00	0.00000E+00
38	3.90153E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.40312E-06	0.00000E+00	0.00000E+00
39	3.21128E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31635E-05	0.00000E+00	0.00000E+00
40	2.91728E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.45655E-05	0.00000E+00	0.00000E+00

41	2.69672E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.41219E-05	0.00000E+00	0.00000E+00
42	2.52117E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.91311E-06	0.00000E+00	0.00000E+00
43	2.20374E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.50677E-06	0.00000E+00	0.00000E+00
44	1.95383E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.04223E-06	0.00000E+00	0.00000E+00
45	1.78982E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.45591E-06	0.00000E+00	0.00000E+00
46	1.65190E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.91285E-06	0.00000E+00	0.00000E+00
47	1.57340E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.29655E-06	0.00000E+00	0.00000E+00
48	1.55126E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.40839E-06	0.00000E+00	0.00000E+00
49	1.53272E-13	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	4.50242E-06	0.00000E+00	0.00000E+00
50	1.47884E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.68915E-06	0.00000E+00	0.00000E+00
51	1.40809E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.64562E-06	0.00000E+00	0.00000E+00
52	1.31427E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.69766E-06	0.00000E+00	0.00000E+00
53	1.15108E-13	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	4.76866E-03	0.00000E+00	0.00000E+00
54	1.01397E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.30101E-02	0.00000E+00	0.00000E+00
55	1.53487E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.45617E-02	0.00000E+00	0.00000E+00
56	8.47091E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.54535E-02	0.00000E+00	0.00000E+00
57	2.11621E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.31550E-06	1.29319E-02	0.00000E+00	0.00000E+00
58	3.40965E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.52390E-14	1.86827E-02	0.00000E+00	0.00000E+00
59	3.06011E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.91530E-14	3.35199E-02	0.00000E+00	0.00000E+00
60	2.25037E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.91490E-14	4.49450E-02	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.18200E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.35560E-15	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.54280E-14	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.30520E-15	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.92430E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.27880E-14	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.16510E-14	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.89220E-15	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.88450E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	6.08189E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	5.76502E-01	1.05846E-02	3.01580E-02	4.52586E-02	5.38850E-02
5	3.19339E-01	1.29197E-02	3.42249E-02	4.35446E-02	3.76670E-02
6	4.64230E-02	7.57494E-03	1.82140E-02	1.77285E-02	5.45380E-03
7	-3.02038E-02	4.52106E-03	9.88135E-03	6.78163E-03	-3.54812E-03
8	-3.88844E-02	3.41910E-03	7.12674E-03	3.89506E-03	-4.56749E-03
9	-3.89009E-02	2.79186E-03	5.64295E-03	2.57601E-03	-4.56878E-03
10	-3.69741E-02	2.40784E-03	4.77441E-03	1.91312E-03	-4.34219E-03
11	-3.38036E-02	2.01873E-03	3.92114E-03	1.33681E-03	-3.97002E-03
12	-3.06265E-02	1.73113E-03	3.31116E-03	9.81345E-04	-3.59754E-03
13	-2.66829E-02	1.43096E-03	2.69182E-03	6.68314E-04	-3.13389E-03
14	0.00000E+00	2.65676E-05	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	1.15792E-05	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	6.80350E-06	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	4.68256E-06	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	3.04184E-06	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	1.95451E-06	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	1.19812E-06	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	6.80554E-07	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	4.39531E-07	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	3.01975E-07	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	1.88969E-07	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	1.42313E-07	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	9.55197E-08	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	2.29942E-08	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	1.07835E-08	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	1.05629E-08	0.00000E+00	0.00000E+00	0.00000E+00

30	0.00000E+00	1.04856E-08	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	1.03495E-08	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	1.01454E-08	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	9.79088E-09	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	9.24494E-09	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	9.04599E-09	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	6.32081E-09	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	3.57234E-10	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	5.88757E-10	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	3.29440E-10	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	2.81770E-10	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	2.56367E-10	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	2.35117E-10	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	1.89703E-10	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	1.68190E-10	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	1.54071E-10	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	4.54365E-09	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	1.89455E-07	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	4.43318E-07	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	8.52929E-07	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	2.18177E-06	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	4.20908E-06	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	7.66001E-06	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	1.74387E-05	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	2.49396E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	2.39857E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	1.70668E-05	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	1.24755E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	8.70603E-06	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	6.31700E-06	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	6.48063E-06	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
62 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 58

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	1.67230E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.02359E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.95489E-02	5.63469E-02	8.74942E-02	1.10793E-01	6.44971E-02	1.86193E-01	2.87106E-01	3.56905E-01
5	1.60673E-02	4.15837E-02	4.99683E-02	3.77093E-02	7.17110E-02	1.85652E-01	2.23279E-01	1.68912E-01
6	8.41290E-03	1.83145E-02	1.23169E-02	-7.21745E-03	3.73941E-02	8.14080E-02	5.47499E-02	-3.20790E-02
7	5.52907E-03	1.07063E-02	3.53338E-03	-1.10916E-02	2.45718E-02	4.75793E-02	1.57024E-02	-4.92918E-02
8	3.62569E-03	6.24886E-03	-4.78696E-05	-9.67471E-03	1.61121E-02	2.77702E-02	-2.12698E-04	-4.29945E-02
9	2.83650E-03	4.60770E-03	-8.23652E-04	-8.13243E-03	1.26048E-02	2.04757E-02	-3.66015E-03	-3.61388E-02
10	2.35475E-03	3.67870E-03	-1.07336E-03	-6.96740E-03	1.04638E-02	1.63467E-02	-4.76970E-03	-3.09608E-02
11	2.04750E-03	3.12117E-03	-1.13297E-03	-6.14883E-03	9.09799E-03	1.38688E-02	-5.03444E-03	-2.73217E-02
12	1.72850E-03	2.56566E-03	-1.12993E-03	-5.25477E-03	7.68055E-03	1.14003E-02	-5.02088E-03	-2.33492E-02
13	1.48772E-03	2.16450E-03	-1.07973E-03	-4.55426E-03	6.61059E-03	9.61770E-03	-4.79777E-03	-2.02365E-02
14	1.23387E-03	1.75650E-03	-9.88334E-04	-3.79874E-03	5.48244E-03	7.80453E-03	-4.39137E-03	-1.68786E-02
15	4.54665E-02	0.00000E+00	0.00000E+00	0.00000E+00	9.08383E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	7.62722E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.93463E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	1.53328E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.31333E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	1.00066E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.59082E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	6.55204E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.03380E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	1.56613E-01	0.00000E+00	0.00000E+00	0.00000E+00	6.69294E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	8.16449E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.39158E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	1.55117E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.03075E-02	0.00000E+00	0.00000E+00	0.00000E+00
23	1.91435E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.72073E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	5.12298E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.67690E-03	0.00000E+00	0.00000E+00	0.00000E+00

25	3.11258E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.12108E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	1.68151E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.39055E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	1.03085E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.09476E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	7.50752E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.09975E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	6.35112E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.51048E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	5.72815E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.28577E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	5.53732E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.12451E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	5.25197E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.63327E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	4.80293E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.59249E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	3.90247E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.33809E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	2.82320E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.23878E-04	0.00000E+00	0.00000E+00	0.00000E+00
36	2.32399E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.19137E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	2.05865E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.49088E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	2.01060E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.08582E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	2.02206E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.74841E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	2.12225E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.74635E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	2.37829E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.78344E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	2.70696E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.71296E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	3.28385E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.55338E-03	0.00000E+00	0.00000E+00	0.00000E+00
44	6.68907E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.36974E-02	0.00000E+00	0.00000E+00	0.00000E+00
45	1.98613E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.16283E-02	0.00000E+00	0.00000E+00	0.00000E+00
46	2.98065E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.09359E-02	0.00000E+00	0.00000E+00	0.00000E+00
47	3.60326E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.36898E-02	0.00000E+00	0.00000E+00	0.00000E+00
48	3.77462E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.27394E-02	0.00000E+00	0.00000E+00	0.00000E+00
49	3.81456E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.11735E-02	0.00000E+00	0.00000E+00	0.00000E+00
50	3.84925E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.41220E-02	0.00000E+00	0.00000E+00	0.00000E+00
51	3.95203E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.43044E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	4.09397E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.70699E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	4.10209E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.72162E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	3.95965E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.43799E-02	0.00000E+00	0.00000E+00	0.00000E+00
55	3.92360E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.06358E-02	0.00000E+00	0.00000E+00	0.00000E+00
56	4.37234E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.08427E-02	0.00000E+00	0.00000E+00	0.00000E+00
57	4.35456E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.07313E-02	0.00000E+00	0.00000E+00	0.00000E+00
58	4.96677E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.08159E-02	0.00000E+00	0.00000E+00	0.00000E+00
59	5.38419E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.03891E-02	0.00000E+00	0.00000E+00	0.00000E+00
60	5.12334E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.56777E-02	0.00000E+00	0.00000E+00	0.00000E+00
61	5.03855E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.86136E-02	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	5.21318E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.97598E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	6.70365E-02	1.93541E-01	2.98490E-01	3.71176E-01	6.38540E-02	1.84330E-01	2.84209E-01	3.53254E-01
5	7.43306E-02	1.92434E-01	2.31433E-01	1.75074E-01	7.10958E-02	1.84058E-01	2.21364E-01	1.67468E-01
6	3.87611E-02	8.43834E-02	5.67513E-02	-3.32515E-02	3.70727E-02	8.07084E-02	5.42791E-02	-3.18036E-02
7	2.54703E-02	4.93192E-02	1.62766E-02	-5.10944E-02	2.43605E-02	4.71700E-02	1.55674E-02	-4.88680E-02
8	1.67013E-02	2.87855E-02	-2.20473E-04	-4.45666E-02	1.59736E-02	2.75316E-02	-2.10875E-04	-4.26250E-02
9	1.30656E-02	2.12244E-02	-3.79400E-03	-3.74602E-02	1.24966E-02	2.02996E-02	-3.62867E-03	-3.58281E-02
10	1.08464E-02	1.69445E-02	-4.94409E-03	-3.20930E-02	1.03737E-02	1.62059E-02	-4.72865E-03	-3.06945E-02
11	9.43084E-03	1.43759E-02	-5.21852E-03	-2.83208E-02	9.01956E-03	1.37494E-02	-4.99112E-03	-2.70865E-02
12	7.96140E-03	1.18173E-02	-5.20446E-03	-2.42030E-02	7.61445E-03	1.13021E-02	-4.97769E-03	-2.31482E-02
13	6.85232E-03	9.96937E-03	-4.97321E-03	-2.09764E-02	6.55369E-03	9.53487E-03	-4.75645E-03	-2.00623E-02
14	5.68292E-03	8.08994E-03	-4.55196E-03	-1.74957E-02	5.43533E-03	7.73747E-03	-4.35362E-03	-1.67338E-02
15	1.43329E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.73532E-03	0.00000E+00	0.00000E+00	0.00000E+00
16	6.20735E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.91723E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	3.64613E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.71699E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	2.50652E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.18050E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	1.62755E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.66010E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	1.05016E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.90810E-04	0.00000E+00	0.00000E+00	0.00000E+00

21	1.17146E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.98563E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	1.28163E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.65987E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	4.63775E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.06266E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	1.74571E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.86501E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	2.01786E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.77211E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	6.24341E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.68168E-05	0.00000E+00	0.00000E+00	0.00000E+00
27	4.44141E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.52533E-06	0.00000E+00	0.00000E+00	0.00000E+00
28	3.90614E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.71757E-06	0.00000E+00	0.00000E+00	0.00000E+00
29	2.99927E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.18129E-06	0.00000E+00	0.00000E+00	0.00000E+00
30	1.53860E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.04146E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	1.66420E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.05804E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	2.36335E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.04369E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	3.52404E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.06795E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	1.68219E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.08136E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	1.39756E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.16734E-04	0.00000E+00	0.00000E+00	0.00000E+00
36	1.19483E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.02249E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	1.06500E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.73715E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	9.53304E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.51614E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	8.27935E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.75891E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	7.71854E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.31786E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	8.27004E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.85790E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	9.09029E-05	0.00000E+00	0.00000E+00	0.00000E+00	6.73101E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	3.91322E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.26966E-02	0.00000E+00	0.00000E+00	0.00000E+00
44	1.14002E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.51169E-02	0.00000E+00	0.00000E+00	0.00000E+00
45	1.96930E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.15437E-02	0.00000E+00	0.00000E+00	0.00000E+00
46	1.94298E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.02546E-02	0.00000E+00	0.00000E+00	0.00000E+00
47	2.53725E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.90200E-02	0.00000E+00	0.00000E+00	0.00000E+00
48	2.50549E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.74345E-02	0.00000E+00	0.00000E+00	0.00000E+00
49	2.43899E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.50732E-02	0.00000E+00	0.00000E+00	0.00000E+00
50	2.58087E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.93521E-02	0.00000E+00	0.00000E+00	0.00000E+00
51	2.65698E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.85613E-02	0.00000E+00	0.00000E+00	0.00000E+00
52	2.85667E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.14615E-02	0.00000E+00	0.00000E+00	0.00000E+00
53	3.40969E-02	0.00000E+00	0.00000E+00	0.00000E+00	9.52764E-02	0.00000E+00	0.00000E+00	0.00000E+00
54	4.09761E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.03179E-01	0.00000E+00	0.00000E+00	0.00000E+00
55	4.63864E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.09917E-01	0.00000E+00	0.00000E+00	0.00000E+00
56	4.87730E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.07929E-01	0.00000E+00	0.00000E+00	0.00000E+00
57	4.97106E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.06544E-01	0.00000E+00	0.00000E+00	0.00000E+00
58	5.08221E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.05451E-01	0.00000E+00	0.00000E+00	0.00000E+00
59	5.02513E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.04363E-01	0.00000E+00	0.00000E+00	0.00000E+00
60	4.11464E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.38563E-02	0.00000E+00	0.00000E+00	0.00000E+00
61	3.05501E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.24036E-02	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	8.24705E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.98405E-01	0.00000E+00	0.00000E+00
4	1.02388E-05	2.95060E-05	4.53291E-05	5.59968E-05	0.00000E+00	1.08821E-01	3.14569E-01	4.89700E-01
5	1.19460E-05	3.09292E-05	3.72037E-05	2.81585E-05	0.00000E+00	8.70065E-02	2.25151E-01	2.70455E-01
6	6.22537E-06	1.35521E-05	9.11466E-06	-5.34017E-06	0.00000E+00	4.56213E-02	9.93191E-02	6.67956E-02
7	4.09036E-06	7.92014E-06	2.61394E-06	-8.20559E-06	1.83260E-06	2.99825E-02	5.80560E-02	1.91604E-02
8	2.68218E-06	4.62282E-06	-3.54079E-08	-7.15708E-06	0.00000E+00	1.96603E-02	3.38861E-02	-2.59548E-04
9	2.09826E-06	3.40848E-06	-6.09311E-07	-6.01574E-06	1.18520E-14	1.53805E-02	2.49848E-02	-4.46613E-03
10	1.74184E-06	2.72117E-06	-7.93961E-07	-5.15386E-06	3.04640E-14	1.27682E-02	1.99470E-02	-5.82012E-03
11	1.51451E-06	2.30867E-06	-8.38058E-07	-4.54806E-06	3.04610E-14	1.11021E-02	1.69236E-02	-6.14344E-03
12	1.27854E-06	1.89776E-06	-8.35794E-07	-3.88684E-06	9.14270E-15	9.37204E-03	1.39114E-02	-6.12661E-03
13	1.10043E-06	1.60099E-06	-7.98644E-07	-3.36858E-06	3.36760E-15	8.06687E-03	1.17362E-02	-5.85476E-03
14	9.12623E-07	1.29919E-06	-7.31035E-07	-2.80970E-06	2.49400E-14	6.69045E-03	9.52413E-03	-5.35889E-03
15	3.97972E-09	0.00000E+00	0.00000E+00	0.00000E+00	7.19440E-15	2.70409E-07	0.00000E+00	0.00000E+00
16	1.72592E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.48800E-14	1.17346E-07	0.00000E+00	0.00000E+00

17	1.01428E-09	0.00000E+00	0.00000E+00	0.00000E+00	3.33320E-14	6.88939E-08	0.00000E+00	0.00000E+00	
18	6.97183E-10	0.00000E+00	0.00000E+00	0.00000E+00	3.26610E-14	4.75118E-08	0.00000E+00	0.00000E+00	
19	4.53074E-10	0.00000E+00	0.00000E+00	0.00000E+00	6.22300E-15	3.09488E-08	0.00000E+00	0.00000E+00	
20	2.91105E-10	0.00000E+00	0.00000E+00	0.00000E+00	1.45720E-14	1.99371E-08	0.00000E+00	0.00000E+00	
21	1.78255E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22661E-08	0.00000E+00	0.00000E+00	
22	1.01124E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.96428E-09	0.00000E+00	0.00000E+00	
23	6.49905E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.51364E-09	0.00000E+00	0.00000E+00	
24	4.47004E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.16225E-09	0.00000E+00	0.00000E+00	
25	2.73844E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.04854E-09	0.00000E+00	0.00000E+00	
26	1.65796E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.45115E-09	0.00000E+00	0.00000E+00	
27	1.11895E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22724E-09	0.00000E+00	0.00000E+00	
28	7.63494E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.33321E-09	0.00000E+00	0.00000E+00	
29	5.66769E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.91858E-09	0.00000E+00	0.00000E+00	
30	5.02484E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.44787E-09	0.00000E+00	0.00000E+00	
31	4.79399E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.77836E-09	0.00000E+00	0.00000E+00	
32	4.43084E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.44535E-09	0.00000E+00	0.00000E+00	
33	3.92379E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.40706E-09	0.00000E+00	0.00000E+00	
34	3.16534E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.32864E-07	0.00000E+00	0.00000E+00	
35	2.08745E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.83375E-06	0.00000E+00	0.00000E+00	
36	7.46082E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.49286E-06	0.00000E+00	0.00000E+00	
37	5.76289E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.22918E-08	0.00000E+00	0.00000E+00	
38	4.85940E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.16932E-06	0.00000E+00	0.00000E+00	
39	4.23571E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.67162E-07	0.00000E+00	0.00000E+00	
40	3.76025E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.34011E-06	0.00000E+00	0.00000E+00	
41	3.41598E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.21470E-06	0.00000E+00	0.00000E+00	
42	3.15768E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.55687E-06	0.00000E+00	0.00000E+00	
43	2.95215E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.49017E-06	0.00000E+00	0.00000E+00	
44	2.58048E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.34436E-07	0.00000E+00	0.00000E+00	
45	2.28787E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.86826E-07	0.00000E+00	0.00000E+00	
46	2.09581E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.12856E-07	0.00000E+00	0.00000E+00	
47	1.93437E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06017E-06	0.00000E+00	0.00000E+00	
48	1.84240E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.18534E-06	0.00000E+00	0.00000E+00	
49	1.81648E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.22344E-06	0.00000E+00	0.00000E+00	
50	1.79480E-13	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.25640E-06	0.00000E+00	0.00000E+00	
51	1.73170E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.33162E-06	0.00000E+00	0.00000E+00	
52	1.64877E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06412E-06	0.00000E+00	0.00000E+00	
53	1.53899E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.20672E-04	0.00000E+00	0.00000E+00	
54	1.34794E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.71852E-03	0.00000E+00	0.00000E+00	
55	1.29731E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.91217E-03	0.00000E+00	0.00000E+00	
56	6.10984E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.57630E-03	0.00000E+00	0.00000E+00	
57	3.07772E-08	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.75445E-03	0.00000E+00	0.00000E+00	
58	9.26731E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.83260E-06	7.09130E-03	0.00000E+00	0.00000E+00	
59	9.40553E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.18520E-14	1.08596E-02	0.00000E+00	0.00000E+00	
60	7.68824E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.04640E-14	9.80159E-03	0.00000E+00	0.00000E+00	
61	6.46043E-08	0.00000E+00	0.00000E+00	0.00000E+00	3.04610E-14	1.09962E-02	0.00000E+00	0.00000E+00	
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.14270E-15	0.00000E+00	0.00000E+00	0.00000E+00	
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.36760E-15	0.00000E+00	0.00000E+00	0.00000E+00	
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.49400E-14	0.00000E+00	0.00000E+00	0.00000E+00	
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.19440E-15	0.00000E+00	0.00000E+00	0.00000E+00	
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.48800E-14	0.00000E+00	0.00000E+00	0.00000E+00	
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.33320E-14	0.00000E+00	0.00000E+00	0.00000E+00	
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.26610E-14	0.00000E+00	0.00000E+00	0.00000E+00	
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.22300E-15	0.00000E+00	0.00000E+00	0.00000E+00	
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.45720E-14	0.00000E+00	0.00000E+00	0.00000E+00	

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	7.09773E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	6.21899E-01	8.74686E-03	2.51973E-02	3.86797E-02	4.77166E-02
5	2.03900E-01	1.02911E-02	2.66444E-02	3.20490E-02	2.42551E-02

6	-3.91384E-02	5.36095E-03	1.16710E-02	7.84890E-03	-4.59940E-03
7	-6.01477E-02	3.52278E-03	6.82118E-03	2.25115E-03	-7.06688E-03
8	-5.24606E-02	2.30952E-03	3.98053E-03	-3.05041E-05	-6.16290E-03
9	-4.40971E-02	1.80656E-03	2.93467E-03	-5.24597E-04	-5.17957E-03
10	-3.77791E-02	1.49964E-03	2.34276E-03	-6.83574E-04	-4.43716E-03
11	-3.33384E-02	1.30387E-03	1.98754E-03	-7.21490E-04	-3.91552E-03
12	-2.84926E-02	1.10065E-03	1.63375E-03	-7.19512E-04	-3.34610E-03
13	-2.46942E-02	9.47541E-04	1.37860E-03	-6.87712E-04	-2.90065E-03
14	-2.05972E-02	7.85763E-04	1.11861E-03	-6.29396E-04	-2.41914E-03
15	0.00000E+00	5.16478E-06	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	2.23938E-06	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	1.31615E-06	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	9.05263E-07	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	5.87968E-07	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	3.78106E-07	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	2.31445E-07	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	1.31495E-07	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	8.44721E-08	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	5.83804E-08	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	3.58486E-08	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	2.20736E-08	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	1.50550E-08	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	1.70662E-08	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	6.25705E-07	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	4.07315E-08	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	1.93588E-08	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	7.77181E-09	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	5.22361E-09	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	4.27787E-09	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	3.32573E-09	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	2.67263E-09	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	2.38384E-09	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	3.25832E-09	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	1.15781E-08	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	2.32340E-09	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	1.45019E-09	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	1.22808E-09	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	1.24320E-09	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	1.98761E-09	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	1.31141E-09	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	3.25757E-09	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	9.71770E-10	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	1.48123E-09	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	2.06057E-09	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	2.77547E-09	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	4.11494E-09	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	8.56950E-10	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	7.61484E-10	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	9.22355E-10	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	1.12695E-09	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	9.54173E-10	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	2.14925E-07	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	7.63636E-07	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	2.33855E-05	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	4.19585E-05	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	4.10879E-05	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

63 THROUGH 70 SAME AS ABOVE
0 CROSS SECTIONS FOR GRP. 59

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.01987E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.50730E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.88037E-02	5.43101E-02	8.56334E-02	1.11586E-01	5.10060E-02	1.48914E-01	2.34973E-01	3.02763E-01
5	1.45674E-02	3.91433E-02	5.14559E-02	4.75785E-02	6.54713E-02	1.76018E-01	2.31689E-01	2.14865E-01
6	7.86749E-03	1.76737E-02	1.35998E-02	-3.09297E-03	3.49862E-02	7.85954E-02	6.04849E-02	-1.37420E-02
7	4.50576E-03	8.28919E-03	1.48673E-03	-1.06429E-02	2.00268E-02	3.68435E-02	6.60852E-03	-4.73053E-02
8	3.12694E-03	5.00544E-03	-1.11058E-03	-9.09525E-03	1.38960E-02	2.22441E-02	-4.93548E-03	-4.04191E-02
9	2.12730E-03	2.95682E-03	-1.87994E-03	-6.60277E-03	9.45382E-03	1.31401E-02	-8.35427E-03	-2.93418E-02
10	1.68318E-03	2.17362E-03	-1.85934E-03	-5.22982E-03	7.47965E-03	9.65932E-03	-8.26252E-03	-2.32400E-02
11	1.40434E-03	1.72643E-03	-1.73449E-03	-4.32965E-03	6.24032E-03	7.67175E-03	-7.70755E-03	-1.92395E-02
12	1.22382E-03	1.45831E-03	-1.60497E-03	-3.74408E-03	5.43809E-03	6.48012E-03	-7.13171E-03	-1.66365E-02
13	1.03491E-03	1.19188E-03	-1.43797E-03	-3.13236E-03	4.57860E-03	5.29611E-03	-6.38961E-03	-1.39189E-02
14	8.91484E-04	1.00052E-03	-1.28836E-03	-2.67265E-03	3.96133E-03	4.44567E-03	-5.72457E-03	-1.18757E-02
15	7.39804E-04	8.07080E-04	-1.11185E-03	-2.19233E-03	3.28706E-03	3.58605E-03	-4.94011E-03	-9.74098E-03
16	2.91774E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.37815E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	4.94546E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.03049E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	9.51232E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.04259E-04	0.00000E+00	0.00000E+00	0.00000E+00
19	4.44761E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.16070E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	4.65988E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.71181E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	8.13821E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.77182E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	4.27431E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.49481E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	8.33825E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.31871E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	1.00490E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.21481E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	2.77071E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.24637E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	1.68234E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.42767E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	9.08624E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.97118E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	5.58983E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.06395E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	4.09199E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.18812E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	3.46737E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.58326E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	3.13144E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.59866E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	3.03349E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.80546E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	2.88554E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.86472E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	2.64865E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.37685E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	2.17582E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.60121E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.61468E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.11942E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	1.35383E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.55426E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	1.21345E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.37281E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	1.18906E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.35874E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	1.20087E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.28698E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	1.26982E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.17440E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	1.46720E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.35438E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	1.76384E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.81505E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	2.25539E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.20257E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	5.10849E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.34100E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	1.44814E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.13182E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	2.08190E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.98873E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	2.44607E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.77744E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	2.51384E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.02844E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.52642E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.14069E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	2.53690E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.26296E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	2.56682E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.56886E-04	0.00000E+00	0.00000E+00	0.00000E+00
53	2.60493E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.90187E-04	0.00000E+00	0.00000E+00	0.00000E+00
54	2.57622E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.92304E-04	0.00000E+00	0.00000E+00	0.00000E+00
55	2.50680E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.74436E-03	0.00000E+00	0.00000E+00	0.00000E+00
56	2.59606E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.16592E-03	0.00000E+00	0.00000E+00	0.00000E+00
57	2.83870E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.90088E-03	0.00000E+00	0.00000E+00	0.00000E+00
58	2.68980E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.24345E-03	0.00000E+00	0.00000E+00	0.00000E+00
59	3.10423E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.08143E-03	0.00000E+00	0.00000E+00	0.00000E+00

60	3.31254E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.94796E-03	0.00000E+00	0.00000E+00	0.00000E+00
61	3.06205E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.71335E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	3.07672E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.66021E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	5.71711E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.45388E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.31236E-02	1.55108E-01	2.44791E-01	3.15507E-01	5.04492E-02	1.47285E-01	2.32388E-01	2.99399E-01
5	6.78569E-02	1.82432E-01	2.40124E-01	2.22677E-01	6.49120E-02	1.74515E-01	2.29713E-01	2.13037E-01
6	3.62653E-02	8.14689E-02	6.26960E-02	-1.42446E-02	3.46853E-02	7.79197E-02	5.99650E-02	-1.36236E-02
7	2.07589E-02	3.81901E-02	6.85005E-03	-4.90345E-02	1.98546E-02	3.65270E-02	6.55166E-03	-4.68989E-02
8	1.44042E-02	2.30578E-02	-5.11595E-03	-4.18974E-02	1.37764E-02	2.20526E-02	-4.89304E-03	-4.00714E-02
9	9.79937E-03	1.36206E-02	-8.65971E-03	-3.04149E-02	9.37264E-03	1.30271E-02	-8.28247E-03	-2.90894E-02
10	7.75316E-03	1.00126E-02	-8.56460E-03	-2.40898E-02	7.41533E-03	9.57623E-03	-8.19149E-03	-2.30401E-02
11	6.46850E-03	7.95228E-03	-7.98939E-03	-1.99431E-02	6.18662E-03	7.60574E-03	-7.64123E-03	-1.90739E-02
12	5.63694E-03	6.71706E-03	-7.39246E-03	-1.72449E-02	5.39129E-03	6.42435E-03	-7.07034E-03	-1.64932E-02
13	4.76676E-03	5.48976E-03	-6.62324E-03	-1.44277E-02	4.55902E-03	5.25055E-03	-6.33463E-03	-1.37992E-02
14	4.10618E-03	4.60822E-03	-5.93388E-03	-1.23099E-02	3.92723E-03	4.40740E-03	-5.67531E-03	-1.17735E-02
15	3.40728E-03	3.71719E-03	-5.12077E-03	-1.00971E-02	3.25882E-03	3.55524E-03	-4.89765E-03	-9.65726E-03
16	1.89355E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.19608E-03	0.00000E+00	0.00000E+00	0.00000E+00
17	8.20238E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.18226E-04	0.00000E+00	0.00000E+00	0.00000E+00
18	4.81024E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.02790E-04	0.00000E+00	0.00000E+00	0.00000E+00
19	3.30775E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.08445E-04	0.00000E+00	0.00000E+00	0.00000E+00
20	2.15000E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.35646E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	1.40247E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.75626E-05	0.00000E+00	0.00000E+00	0.00000E+00
22	2.57465E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.45334E-05	0.00000E+00	0.00000E+00	0.00000E+00
23	4.06871E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.33655E-05	0.00000E+00	0.00000E+00	0.00000E+00
24	1.46368E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.05413E-05	0.00000E+00	0.00000E+00	0.00000E+00
25	8.99861E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.01146E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	5.86763E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.46528E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	2.49782E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.56027E-05	0.00000E+00	0.00000E+00	0.00000E+00
28	1.48918E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.40615E-06	0.00000E+00	0.00000E+00	0.00000E+00
29	9.97086E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.68492E-06	0.00000E+00	0.00000E+00	0.00000E+00
30	7.53175E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.41570E-06	0.00000E+00	0.00000E+00	0.00000E+00
31	7.33311E-05	0.00000E+00	0.00000E+00	0.00000E+00	6.55341E-06	0.00000E+00	0.00000E+00	0.00000E+00
32	6.33094E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.74616E-06	0.00000E+00	0.00000E+00	0.00000E+00
33	5.96816E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.99787E-06	0.00000E+00	0.00000E+00	0.00000E+00
34	5.18344E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.35801E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	3.15411E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.55092E-06	0.00000E+00	0.00000E+00	0.00000E+00
36	2.46326E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.96220E-06	0.00000E+00	0.00000E+00	0.00000E+00
37	1.98673E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.78099E-06	0.00000E+00	0.00000E+00	0.00000E+00
38	1.74459E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.76020E-06	0.00000E+00	0.00000E+00	0.00000E+00
39	1.68501E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.61249E-06	0.00000E+00	0.00000E+00	0.00000E+00
40	1.62469E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.46019E-06	0.00000E+00	0.00000E+00	0.00000E+00
41	1.44167E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.95039E-06	0.00000E+00	0.00000E+00	0.00000E+00
42	1.59778E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.23688E-06	0.00000E+00	0.00000E+00	0.00000E+00
43	2.13471E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.96521E-06	0.00000E+00	0.00000E+00	0.00000E+00
44	2.74318E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.58554E-06	0.00000E+00	0.00000E+00	0.00000E+00
45	5.37877E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.45173E-06	0.00000E+00	0.00000E+00	0.00000E+00
46	1.74720E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.99927E-06	0.00000E+00	0.00000E+00	0.00000E+00
47	3.27305E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.90959E-06	0.00000E+00	0.00000E+00	0.00000E+00
48	4.58008E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.94695E-06	0.00000E+00	0.00000E+00	0.00000E+00
49	5.36545E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.45418E-06	0.00000E+00	0.00000E+00	0.00000E+00
50	5.65260E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.32694E-06	0.00000E+00	0.00000E+00	0.00000E+00
51	5.92032E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.96434E-06	0.00000E+00	0.00000E+00	0.00000E+00
52	6.58598E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.29103E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	7.37430E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.51873E-05	0.00000E+00	0.00000E+00	0.00000E+00
54	9.26325E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.23419E-05	0.00000E+00	0.00000E+00	0.00000E+00

55	2.66004E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.24750E-04	0.00000E+00	0.00000E+00	0.00000E+00
56	3.33997E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.80512E-04	0.00000E+00	0.00000E+00	0.00000E+00
57	4.71783E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.29793E-03	0.00000E+00	0.00000E+00	0.00000E+00
58	4.59954E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.03538E-03	0.00000E+00	0.00000E+00	0.00000E+00
59	4.90276E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.23026E-03	0.00000E+00	0.00000E+00	0.00000E+00
60	5.30237E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.34813E-03	0.00000E+00	0.00000E+00	0.00000E+00
61	5.24013E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.41286E-04	0.00000E+00	0.00000E+00	0.00000E+00
62	4.69843E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.56452E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	8.98122E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.08339E+00	0.00000E+00	0.00000E+00
4	7.74389E-06	2.25630E-05	3.54523E-05	4.53622E-05	0.00000E+00	1.06211E-01	3.08046E-01	4.86632E-01
5	1.09089E-05	2.93304E-05	3.86121E-05	3.58209E-05	0.00000E+00	7.86133E-02	2.11238E-01	2.77657E-01
6	5.82600E-06	1.30883E-05	1.00727E-05	-2.28724E-06	0.00000E+00	4.26389E-02	9.57758E-02	7.36810E-02
7	3.33396E-06	6.13368E-06	1.10016E-06	-7.87476E-06	1.60380E-06	2.44339E-02	4.49516E-02	8.06226E-03
8	2.31326E-06	3.70294E-06	-8.21573E-07	-6.72862E-06	0.00000E+00	1.69562E-02	2.71428E-02	-6.02236E-03
9	1.57373E-06	2.18737E-06	-1.39072E-06	-4.88448E-06	1.01870E-14	1.15353E-02	1.60331E-02	-1.01939E-02
10	1.24513E-06	1.60793E-06	-1.37545E-06	-3.86871E-06	2.61960E-14	9.12691E-03	1.17864E-02	-1.00820E-02
11	1.03878E-06	1.27707E-06	-1.28302E-06	-3.20270E-06	2.61920E-14	7.61455E-03	9.36148E-03	-9.40503E-03
12	9.05247E-07	1.07867E-06	-1.18717E-06	-2.76939E-06	7.80330E-15	6.63601E-03	7.90752E-03	-8.70263E-03
13	7.65500E-07	8.81590E-07	-1.06365E-06	-2.31695E-06	2.87260E-15	5.61161E-03	6.46247E-03	-7.79700E-03
14	6.59421E-07	7.40042E-07	-9.52939E-07	-1.97686E-06	2.57560E-14	4.83399E-03	5.42488E-03	-6.98573E-03
15	5.47183E-07	5.96976E-07	-8.22362E-07	-1.62153E-06	6.13660E-15	4.01117E-03	4.37606E-03	-6.02863E-03
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.26970E-14	1.32130E-07	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.86990E-14	5.73368E-08	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.83120E-14	3.36617E-08	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.43100E-15	2.32152E-08	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.24330E-14	1.51222E-08	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.74155E-09	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.99366E-09	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.40312E-09	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.20545E-09	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.54515E-09	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00104E-09	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.09922E-10	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.01906E-10	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.49448E-10	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.91279E-10	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10800E-09	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.24449E-09	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.51625E-09	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.31109E-09	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.59374E-08	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.10081E-06	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31051E-06	0.00000E+00	0.00000E+00
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.41434E-08	0.00000E+00	0.00000E+00
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.94480E-07	0.00000E+00	0.00000E+00
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.14140E-07	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.19081E-06	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.19017E-06	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.23166E-06	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.53206E-07	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.96153E-07	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.53177E-07	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.47598E-07	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.26514E-06	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.63386E-06	0.00000E+00	0.00000E+00

50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.75973E-06	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.87583E-06	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.21987E-06	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.05774E-06	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.93132E-06	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.08902E-03	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.42252E-03	0.00000E+00	0.00000E+00
57	2.52181E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.60380E-06	9.33542E-03	0.00000E+00	0.00000E+00
58	1.46863E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.01870E-14	1.07811E-02	0.00000E+00	0.00000E+00
59	1.08752E-06	0.00000E+00	0.00000E+00	0.00000E+00	2.61960E-14	9.08237E-03	0.00000E+00	0.00000E+00
60	8.05472E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.61920E-14	5.46908E-03	0.00000E+00	0.00000E+00
61	7.29385E-07	0.00000E+00	0.00000E+00	0.00000E+00	7.80330E-15	1.86329E-03	0.00000E+00	0.00000E+00
62	7.57249E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.87260E-15	2.79515E-03	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.57560E-14	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.13660E-15	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.26970E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.86990E-14	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.83120E-14	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.43100E-15	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.24330E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	7.72897E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	6.35096E-01	6.60476E-03	1.92383E-02	3.02091E-02	3.86135E-02
5	2.56688E-01	9.39867E-03	2.52687E-02	3.32638E-02	3.08562E-02
6	-1.68018E-02	5.01897E-03	1.12748E-02	8.67686E-03	-1.97121E-03
7	-5.77162E-02	2.87118E-03	5.28203E-03	9.47321E-04	-6.78206E-03
8	-4.93197E-02	1.99226E-03	3.18908E-03	-7.07627E-04	-5.79487E-03
9	-3.58029E-02	1.35506E-03	1.88344E-03	-1.19750E-03	-4.20586E-03
10	-2.83579E-02	1.07203E-03	1.38441E-03	-1.18423E-03	-3.33089E-03
11	-2.34768E-02	8.94339E-04	1.09949E-03	-1.10462E-03	-2.75732E-03
12	-2.03013E-02	7.79326E-04	9.28651E-04	-1.02205E-03	-2.38423E-03
13	-1.69843E-02	6.58993E-04	7.58974E-04	-9.15663E-04	-1.99462E-03
14	-1.44917E-02	5.67795E-04	6.37225E-04	-8.20564E-04	-1.70225E-03
15	-1.18870E-02	4.71127E-04	5.13977E-04	-7.08068E-04	-1.39613E-03
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
17	THROUGH 34	SAME AS ABOVE			
35	0.00000E+00	2.26515E-11	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	6.62435E-11	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	4.56929E-11	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	THROUGH 42	SAME AS ABOVE			
43	0.00000E+00	2.84005E-09	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	5.11210E-08	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	5.26551E-07	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	2.43703E-06	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	1.31692E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	2.98322E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	1.85859E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	1.74283E-05	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	1.75476E-05	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	1.88939E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	2.23688E-05	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	2.95447E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	5.04967E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	6.34802E-05	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	5.62843E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	4.14597E-05	0.00000E+00	0.00000E+00	0.00000E+00

59	0.00000E+00	3.45750E-05	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	2.92721E-05	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	2.57372E-05	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	3.22864E-05	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
64 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 60

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	2.39508E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.87802E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.48578E-02	7.11294E-02	1.10797E-01	1.41960E-01	6.66337E-02	1.92830E-01	2.98879E-01	3.74662E-01
5	2.05448E-02	5.53849E-02	7.33615E-02	6.88986E-02	9.29839E-02	2.50775E-01	3.32504E-01	3.12990E-01
6	1.38461E-02	3.28256E-02	3.05062E-02	6.18160E-03	6.17539E-02	1.46440E-01	1.36199E-01	2.78446E-02
7	7.94188E-03	1.52937E-02	4.90653E-03	-1.57905E-02	3.52971E-02	6.79722E-02	2.18042E-02	-7.01835E-02
8	4.88819E-03	7.43579E-03	-2.72806E-03	-1.46364E-02	2.17265E-02	3.30494E-02	-1.21251E-02	-6.50539E-02
9	3.51430E-03	4.50636E-03	-3.92273E-03	-1.08276E-02	1.56173E-02	2.00260E-02	-1.74329E-02	-4.81176E-02
10	2.44124E-03	2.61694E-03	-3.74003E-03	-7.14693E-03	1.08487E-02	1.16293E-02	-1.66207E-02	-3.17600E-02
11	1.94238E-03	1.89092E-03	-3.30325E-03	-5.41421E-03	8.63160E-03	8.40277E-03	-1.46790E-02	-2.40595E-02
12	1.62407E-03	1.48039E-03	-2.92037E-03	-4.35160E-03	7.21688E-03	6.57835E-03	-1.29774E-02	-1.93373E-02
13	1.41650E-03	1.23770E-03	-2.62682E-03	-3.69259E-03	6.29426E-03	5.49972E-03	-1.16721E-02	-1.64080E-02
14	1.19839E-03	9.99291E-04	-2.29049E-03	-3.02553E-03	5.32511E-03	4.44029E-03	-1.01776E-02	-1.34437E-02
15	1.03245E-03	8.30553E-04	-2.01467E-03	-2.54045E-03	4.58755E-03	3.69045E-03	-8.95211E-03	-1.12886E-02
16	8.56669E-04	6.62347E-04	-1.70694E-03	-2.04719E-03	3.80631E-03	2.94290E-03	-7.58419E-03	-9.09605E-03
17	3.66112E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.26220E-03	0.00000E+00	0.00000E+00	0.00000E+00
18	6.12421E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.14546E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	1.16324E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.82245E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	3.98852E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.25293E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	6.40407E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.12982E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	1.64624E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.21505E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	8.51013E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.79155E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	1.50712E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.63685E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	1.97683E-02	0.00000E+00	0.00000E+00	0.00000E+00	6.25311E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	5.08969E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.08300E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	3.12794E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.19001E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.68715E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.64899E-05	0.00000E+00	0.00000E+00	0.00000E+00
29	1.02819E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.53660E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	7.49074E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.66270E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	6.35438E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.20593E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	5.72789E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.03766E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	5.53455E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.51657E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	5.24334E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.88846E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	4.79012E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.05608E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	3.86330E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.25148E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	2.74417E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.99042E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	2.22855E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.49358E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	1.96537E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.74495E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	1.91727E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.72149E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	1.92985E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.99894E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	2.02436E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.20109E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	2.43099E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.30571E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	3.11742E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.56286E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	4.17724E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.22327E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	8.40712E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.36313E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	2.00909E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.97287E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	2.72996E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.13303E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	3.09996E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.09727E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	3.13127E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.26600E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	3.13125E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.31116E-04	0.00000E+00	0.00000E+00	0.00000E+00

52	3.13054E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.35173E-04	0.00000E+00	0.00000E+00	0.00000E+00
53	3.12593E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.46363E-04	0.00000E+00	0.00000E+00	0.00000E+00
54	3.11329E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.62468E-04	0.00000E+00	0.00000E+00	0.00000E+00
55	3.04229E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.39490E-04	0.00000E+00	0.00000E+00	0.00000E+00
56	2.97757E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.18907E-03	0.00000E+00	0.00000E+00	0.00000E+00
57	3.18934E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.35124E-03	0.00000E+00	0.00000E+00	0.00000E+00
58	3.46260E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.30879E-03	0.00000E+00	0.00000E+00	0.00000E+00
59	3.17624E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.34469E-03	0.00000E+00	0.00000E+00	0.00000E+00
60	3.65890E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.03340E-03	0.00000E+00	0.00000E+00	0.00000E+00
61	3.85131E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.47257E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	3.50673E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.36031E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	3.58605E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.10181E-03	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	6.10476E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.81875E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	6.94063E-02	2.00875E-01	3.11424E-01	3.90554E-01	6.59027E-02	1.90709E-01	2.95567E-01	3.70447E-01
5	9.63653E-02	2.59890E-01	3.44584E-01	3.24347E-01	9.21972E-02	2.48656E-01	3.29695E-01	3.10351E-01
6	6.40099E-02	1.51789E-01	1.41173E-01	2.88600E-02	6.12232E-02	1.45183E-01	1.35028E-01	2.76069E-02
7	3.65875E-02	7.04571E-02	2.26014E-02	-7.27494E-02	3.49937E-02	6.73880E-02	2.16167E-02	-6.95802E-02
8	2.25205E-02	3.42576E-02	-1.25683E-02	-6.74321E-02	2.15399E-02	3.27652E-02	-1.20210E-02	-6.44947E-02
9	1.61885E-02	2.07585E-02	-1.80702E-02	-4.98772E-02	1.54829E-02	1.98537E-02	-1.72830E-02	-4.77039E-02
10	1.12454E-02	1.20545E-02	-1.72283E-02	-3.29214E-02	1.07555E-02	1.15293E-02	-1.64779E-02	-3.14868E-02
11	8.94707E-03	8.70993E-03	-1.52158E-02	-2.49390E-02	8.55745E-03	8.33054E-03	-1.45527E-02	-2.38527E-02
12	7.48076E-03	6.81891E-03	-1.34519E-02	-2.00443E-02	7.15481E-03	6.52174E-03	-1.28657E-02	-1.91711E-02
13	6.52441E-03	5.70084E-03	-1.20991E-02	-1.70079E-02	6.24011E-03	5.45237E-03	-1.15716E-02	-1.62668E-02
14	5.51984E-03	4.60267E-03	-1.05500E-02	-1.39354E-02	5.27927E-03	4.40207E-03	-1.00899E-02	-1.33279E-02
15	4.75530E-03	3.82540E-03	-9.27934E-03	-1.17013E-02	4.54805E-03	3.65868E-03	-8.87511E-03	-1.11914E-02
16	3.94549E-03	3.05051E-03	-7.86154E-03	-9.42887E-03	3.77361E-03	2.91762E-03	-7.51901E-03	-9.01779E-03
17	3.80280E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.02885E-02	0.00000E+00	0.00000E+00	0.00000E+00
18	1.64698E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.45613E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	9.55875E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.58002E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	6.56960E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.77367E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	4.26018E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.15058E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	2.73388E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.36655E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	2.42477E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.47031E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	1.89796E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.45938E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	6.94819E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.49580E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	2.72504E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.29745E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	3.58075E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.26418E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.42469E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.55219E-05	0.00000E+00	0.00000E+00	0.00000E+00
29	8.01480E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.37385E-06	0.00000E+00	0.00000E+00	0.00000E+00
30	7.94056E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.27746E-06	0.00000E+00	0.00000E+00	0.00000E+00
31	7.72012E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.61487E-06	0.00000E+00	0.00000E+00	0.00000E+00
32	9.27533E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.54113E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	6.58386E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.15929E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	8.42195E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.81091E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	6.88049E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.63165E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	3.98245E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.49768E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	4.16887E-05	0.00000E+00	0.00000E+00	0.00000E+00	6.93441E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	2.80882E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.57232E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	2.77525E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.14046E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	2.71869E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.09102E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	2.36766E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.99737E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	2.33356E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.49402E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	5.34148E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.74506E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	2.01356E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.45472E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	2.88470E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.20727E-05	0.00000E+00	0.00000E+00	0.00000E+00

46	4.44057E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.34935E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	6.50214E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.04305E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	8.29675E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.98370E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	9.45407E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.00300E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	9.62015E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.09069E-05	0.00000E+00	0.00000E+00	0.00000E+00
51	9.66146E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.11991E-05	0.00000E+00	0.00000E+00	0.00000E+00
52	9.70191E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.14579E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	9.86439E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.16427E-05	0.00000E+00	0.00000E+00	0.00000E+00
54	1.04830E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.14107E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	1.21496E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.65564E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	2.17067E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.73876E-05	0.00000E+00	0.00000E+00	0.00000E+00
57	2.43868E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.09359E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	2.36161E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.10726E-04	0.00000E+00	0.00000E+00	0.00000E+00
59	2.35143E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.55001E-04	0.00000E+00	0.00000E+00	0.00000E+00
60	3.12943E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.98072E-04	0.00000E+00	0.00000E+00	0.00000E+00
61	3.50897E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.60658E-04	0.00000E+00	0.00000E+00	0.00000E+00
62	3.18056E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.57496E-04	0.00000E+00	0.00000E+00	0.00000E+00
63	3.03080E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.85519E-04	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	9.55945E-05	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28877E+00	0.00000E+00	0.00000E+00
4	1.01015E-05	2.91542E-05	4.49245E-05	5.57604E-05	0.00000E+00	1.40440E-01	4.03657E-01	6.29850E-01
5	1.54758E-05	4.17454E-05	5.53710E-05	5.21698E-05	0.00000E+00	1.10622E-01	2.98172E-01	3.94782E-01
6	1.02761E-05	2.43672E-05	2.26589E-05	4.62218E-06	0.00000E+00	7.48622E-02	1.77490E-01	1.64973E-01
7	5.87764E-06	1.13188E-05	3.63141E-06	-1.16862E-05	1.44170E-06	4.30447E-02	8.28858E-02	2.65754E-02
8	3.61689E-06	5.50185E-06	-2.01848E-06	-1.08298E-05	0.00000E+00	2.65078E-02	4.03228E-02	-1.47936E-02
9	2.59981E-06	3.33371E-06	-2.90197E-06	-8.01011E-06	9.01890E-15	1.90568E-02	2.44365E-02	-2.12716E-02
10	1.80596E-06	1.93592E-06	-2.76675E-06	-5.28690E-06	2.32060E-14	1.32377E-02	1.41902E-02	-2.02802E-02
11	1.43689E-06	1.39879E-06	-2.44353E-06	-4.00508E-06	2.32030E-14	1.05324E-02	1.02533E-02	-1.79114E-02
12	1.20135E-06	1.09506E-06	-2.16024E-06	-3.21893E-06	6.84960E-15	8.80622E-03	8.02728E-03	-1.58352E-02
13	1.04774E-06	9.15523E-07	-1.94303E-06	-2.73134E-06	2.51980E-15	7.68054E-03	6.71123E-03	-1.42433E-02
14	8.86436E-07	7.39150E-07	-1.69425E-06	-2.23791E-06	2.72000E-14	6.49810E-03	5.41828E-03	-1.24195E-02
15	7.63656E-07	6.14320E-07	-1.49016E-06	-1.87905E-06	5.38240E-15	5.59808E-03	4.50341E-03	-1.09240E-02
16	6.33611E-07	4.89885E-07	-1.26252E-06	-1.51419E-06	1.11420E-14	4.64494E-03	3.59118E-03	-9.25525E-03
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.54610E-14	9.11272E-08	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.53160E-14	3.95442E-08	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.89560E-15	2.32168E-08	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.09090E-14	1.60113E-08	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04298E-08	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.71882E-09	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.13357E-09	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.34698E-09	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.52106E-09	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06567E-09	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.90490E-10	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.90558E-10	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.17580E-10	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.54465E-10	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.30774E-10	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.88674E-10	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.87914E-10	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.08613E-09	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.66672E-09	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.97946E-08	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.12494E-07	0.00000E+00	0.00000E+00
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.59407E-07	0.00000E+00	0.00000E+00
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.42138E-08	0.00000E+00	0.00000E+00

40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.50109E-07	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.11802E-07	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.70660E-07	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.37402E-06	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.35062E-07	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.93230E-07	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.15868E-07	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.41209E-07	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.61077E-07	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.83310E-07	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.02020E-07	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.07533E-07	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.12205E-07	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.21812E-07	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.73459E-07	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27653E-07	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.34006E-05	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.44170E-06	3.43744E-03	0.00000E+00	0.00000E+00
58	1.87015E-09	0.00000E+00	0.00000E+00	0.00000E+00	9.01890E-15	8.05929E-03	0.00000E+00	0.00000E+00
59	4.27296E-08	0.00000E+00	0.00000E+00	0.00000E+00	2.32060E-14	3.43942E-03	0.00000E+00	0.00000E+00
60	1.43269E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.32030E-14	9.97414E-03	0.00000E+00	0.00000E+00
61	2.49183E-07	0.00000E+00	0.00000E+00	0.00000E+00	6.84960E-15	8.11141E-03	0.00000E+00	0.00000E+00
62	2.26617E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.51980E-15	4.60502E-03	0.00000E+00	0.00000E+00
63	1.64664E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.72000E-14	1.02872E-02	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.38240E-15	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.11420E-14	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.54610E-14	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.53160E-14	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.89560E-15	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.09090E-14	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	8.22577E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	8.08634E-01	8.61567E-03	2.48555E-02	3.82672E-02	4.74267E-02
5	3.70401E-01	1.33294E-02	3.59555E-02	4.76915E-02	4.49309E-02
6	3.34836E-02	8.85338E-03	2.09925E-02	1.95196E-02	3.97889E-03
7	-8.56010E-02	5.06351E-03	9.75087E-03	3.12801E-03	-1.00678E-02
8	-7.93689E-02	3.11484E-03	4.73812E-03	-1.73843E-03	-9.32650E-03
9	-5.87126E-02	2.23907E-03	2.87112E-03	-2.49931E-03	-6.89849E-03
10	-3.87524E-02	1.55505E-03	1.66694E-03	-2.38236E-03	-4.55244E-03
11	-2.93579E-02	1.23713E-03	1.20433E-03	-2.10385E-03	-3.44831E-03
12	-2.35959E-02	1.03430E-03	9.42774E-04	-1.85985E-03	-2.77132E-03
13	-2.00222E-02	9.02031E-04	7.88169E-04	-1.67276E-03	-2.35143E-03
14	-1.64049E-02	7.63118E-04	6.36325E-04	-1.45855E-03	-1.92658E-03
15	-1.37748E-02	6.57557E-04	5.28984E-04	-1.28318E-03	-1.61804E-03
16	-1.11002E-02	5.45551E-04	4.21796E-04	-1.08704E-03	-1.30373E-03
17	0.00000E+00	1.04466E-07	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	4.52412E-08	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	2.65698E-08	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	1.82803E-08	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	1.18716E-08	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	7.63536E-09	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	4.67412E-09	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	2.65570E-09	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	1.70595E-09	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	1.18024E-09	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	7.24630E-10	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	4.49024E-10	0.00000E+00	0.00000E+00	0.00000E+00

29	0.00000E+00	3.06842E-10	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	3.88981E-10	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	1.65372E-08	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	1.03716E-09	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	4.72355E-10	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	1.68242E-10	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	1.04718E-10	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	6.26106E-11	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38 THROUGH 60	SAME AS ABOVE				
61	0.00000E+00	1.34147E-12	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	7.73721E-07	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	1.21322E-05	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65 THROUGH 70	SAME AS ABOVE				

0 CROSS SECTIONS FOR GRP. 61

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH	2 SAME AS ABOVE							
3	3.59158E-01	0.00000E+00	0.00000E+00	0.00000E+00	6.76909E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	5.94377E-02	1.60101E-01	2.22154E-01	2.40194E-01	1.86273E-01	4.96767E-01	6.49641E-01	6.19708E-01
5	5.05113E-02	1.15797E-01	1.00951E-01	2.07276E-02	2.25879E-01	5.18436E-01	4.53818E-01	9.72601E-02
6	3.69417E-02	7.23960E-02	3.01883E-02	-5.38337E-02	1.65115E-01	3.23676E-01	1.35224E-01	-2.40242E-01
7	2.68964E-02	4.34788E-02	-5.34481E-03	-6.62243E-02	1.19627E-01	1.93444E-01	-2.35922E-02	-2.94409E-01
8	1.95997E-02	2.03680E-02	-2.24613E-02	-4.76526E-02	8.02868E-02	9.04921E-02	-9.98040E-02	-2.11719E-01
9	2.59258E-02	9.01232E-03	-2.35504E-02	-2.59373E-02	6.75271E-02	4.00576E-02	-1.04671E-01	-1.15280E-01
10	3.98924E-02	4.54669E-03	-1.99496E-02	-1.39781E-02	7.85096E-02	2.02057E-02	-8.86588E-02	-6.21193E-02
11	6.00833E-02	1.85383E-03	-1.50454E-02	-5.92251E-03	1.08353E-01	8.23828E-03	-6.68608E-02	-2.63194E-02
12	7.52871E-02	9.70873E-04	-1.22130E-02	-3.14030E-03	1.36474E-01	4.31438E-03	-5.42715E-02	-1.39547E-02
13	8.86879E-02	5.44813E-04	-1.02837E-02	-1.77547E-03	1.62247E-01	2.42096E-03	-4.56968E-02	-7.88961E-03
14	9.84877E-02	3.33303E-04	-8.98980E-03	-1.09286E-03	1.83409E-01	1.48104E-03	-3.99464E-02	-4.85621E-03
15	1.12541E-01	1.55265E-04	-7.61182E-03	-5.15874E-04	2.10605E-01	6.89921E-04	-3.38232E-02	-2.29231E-03
16	1.25179E-01	5.36368E-05	-6.55472E-03	-1.85407E-04	2.38140E-01	2.38331E-04	-2.91249E-02	-8.23822E-04
17	1.41950E-01	-2.60603E-05	-5.43116E-03	7.44245E-05	2.71316E-01	-1.15791E-04	-2.41325E-02	3.30683E-04
18	7.97128E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.62737E-02	0.00000E+00	0.00000E+00	0.00000E+00
19	1.37338E-01	0.00000E+00	0.00000E+00	0.00000E+00	7.04900E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	2.61414E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.20008E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	6.21074E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.88878E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	1.57609E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.87684E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	2.69519E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.20719E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	1.40581E-01	0.00000E+00	0.00000E+00	0.00000E+00	8.26806E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	2.60017E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.44100E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	3.28486E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.00960E-03	0.00000E+00	0.00000E+00	0.00000E+00
27	8.79759E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.52560E-03	0.00000E+00	0.00000E+00	0.00000E+00
28	5.38064E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.89228E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	2.90553E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.01712E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	1.77834E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.07369E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.29984E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.51733E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	1.10232E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.54827E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	9.94823E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.10219E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	9.62967E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.15772E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	9.14699E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.32922E-04	0.00000E+00	0.00000E+00	0.00000E+00
36	8.38345E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.84708E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	6.83694E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.38705E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	4.98526E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.17362E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	4.11759E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.98479E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	3.67315E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.12129E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	3.58928E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.92497E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	3.62487E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.59601E-05	0.00000E+00	0.00000E+00	0.00000E+00

43	3.84673E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.82617E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	5.44070E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.40586E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	8.39127E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00258E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	1.26932E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.55181E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	2.69622E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.96697E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	5.72022E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.69528E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	7.25398E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.11203E-03	0.00000E+00	0.00000E+00	0.00000E+00
50	7.88513E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.35196E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	7.77656E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.34340E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	7.72165E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.35104E-03	0.00000E+00	0.00000E+00	0.00000E+00
53	7.67220E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.36359E-03	0.00000E+00	0.00000E+00	0.00000E+00
54	7.51223E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.33922E-03	0.00000E+00	0.00000E+00	0.00000E+00
55	7.26545E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.32767E-03	0.00000E+00	0.00000E+00	0.00000E+00
56	6.99135E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.37254E-03	0.00000E+00	0.00000E+00	0.00000E+00
57	6.96024E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.50792E-03	0.00000E+00	0.00000E+00	0.00000E+00
58	7.81777E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.69583E-03	0.00000E+00	0.00000E+00	0.00000E+00
59	8.34330E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.10613E-03	0.00000E+00	0.00000E+00	0.00000E+00
60	7.49893E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.51482E-03	0.00000E+00	0.00000E+00	0.00000E+00
61	8.44604E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.90897E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	8.66252E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.57305E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	7.48345E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.55905E-03	0.00000E+00	0.00000E+00	0.00000E+00
64	7.63714E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.21919E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	7.04099E-01	0.00000E+00	0.00000E+00	0.00000E+00	6.69256E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.93689E-01	5.16707E-01	6.76254E-01	6.46212E-01	1.84373E-01	4.91631E-01	6.42689E-01	6.12568E-01
5	2.34110E-01	5.37314E-01	4.70313E-01	1.00727E-01	2.23952E-01	5.14017E-01	4.49961E-01	9.64593E-02
6	1.71146E-01	3.35496E-01	1.40162E-01	-2.49020E-01	1.63704E-01	3.20912E-01	1.34070E-01	-2.38186E-01
7	1.23998E-01	2.00511E-01	-2.44549E-02	-3.05165E-01	1.18598E-01	1.91780E-01	-2.33885E-02	-2.91877E-01
8	8.32766E-02	9.38006E-02	-1.03451E-01	-2.19460E-01	7.95726E-02	8.97143E-02	-9.89476E-02	-2.09899E-01
9	7.03983E-02	4.15218E-02	-1.08497E-01	-1.19496E-01	6.67793E-02	3.97134E-02	-1.03771E-01	-1.14289E-01
10	8.24088E-02	2.09446E-02	-9.18987E-02	-6.43907E-02	7.74522E-02	2.00319E-02	-8.78977E-02	-6.15851E-02
11	1.14479E-01	8.53963E-03	-6.93057E-02	-2.72818E-02	1.06655E-01	8.16742E-03	-6.62860E-02	-2.60930E-02
12	1.44469E-01	4.47213E-03	-5.62561E-02	-1.44651E-02	1.34266E-01	4.27729E-03	-5.38046E-02	-1.38347E-02
13	1.71887E-01	2.50951E-03	-4.73674E-02	-8.17811E-03	1.59613E-01	2.40014E-03	-4.53038E-02	-7.82174E-03
14	1.94374E-01	1.53520E-03	-4.14071E-02	-5.03380E-03	1.80453E-01	1.46829E-03	-3.96026E-02	-4.81440E-03
15	2.23283E-01	7.15149E-04	-3.50601E-02	-2.37611E-03	2.07177E-01	6.83981E-04	-3.35321E-02	-2.27259E-03
16	2.52523E-01	2.47045E-04	-3.01899E-02	-8.53936E-04	2.34299E-01	2.36281E-04	-2.88741E-02	-8.16735E-04
17	2.87753E-01	-1.20027E-04	-2.50148E-02	3.42778E-04	2.66893E-01	-1.14795E-04	-2.39252E-02	3.27835E-04
18	4.44351E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.18245E-03	0.00000E+00	0.00000E+00	0.00000E+00
19	1.92442E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.37858E-03	0.00000E+00	0.00000E+00	0.00000E+00
20	1.13271E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.99392E-04	0.00000E+00	0.00000E+00	0.00000E+00
21	7.78666E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.18666E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	5.05338E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.01880E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	3.24042E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.58219E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	2.08244E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.58492E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	3.60344E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.15205E-05	0.00000E+00	0.00000E+00	0.00000E+00
26	1.59690E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.88112E-05	0.00000E+00	0.00000E+00	0.00000E+00
27	1.32090E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.40092E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.11865E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.37215E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	9.57029E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.23724E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	2.73641E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.45544E-05	0.00000E+00	0.00000E+00	0.00000E+00
31	7.55034E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.10754E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	7.21852E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.02269E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	3.06916E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.71113E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	2.54966E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.71950E-06	0.00000E+00	0.00000E+00	0.00000E+00
35	5.56113E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.51883E-06	0.00000E+00	0.00000E+00	0.00000E+00

36	8.52975E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.76459E-06	0.00000E+00	0.00000E+00	0.00000E+00
37	3.67985E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.56166E-06	0.00000E+00	0.00000E+00	0.00000E+00
38	2.83893E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.30985E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	2.64898E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.21531E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	2.12079E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.17137E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	1.67848E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.12934E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	1.31640E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.97792E-06	0.00000E+00	0.00000E+00	0.00000E+00
43	1.08370E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.09664E-06	0.00000E+00	0.00000E+00	0.00000E+00
44	1.19670E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.21891E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	1.58236E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.39318E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	2.23557E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.29241E-06	0.00000E+00	0.00000E+00	0.00000E+00
47	5.17307E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.37773E-06	0.00000E+00	0.00000E+00	0.00000E+00
48	1.15605E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.67854E-06	0.00000E+00	0.00000E+00	0.00000E+00
49	1.83650E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.53607E-06	0.00000E+00	0.00000E+00	0.00000E+00
50	2.27274E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.57353E-06	0.00000E+00	0.00000E+00	0.00000E+00
51	2.32199E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.76416E-06	0.00000E+00	0.00000E+00	0.00000E+00
52	2.38192E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.82897E-06	0.00000E+00	0.00000E+00	0.00000E+00
53	2.45512E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.88671E-06	0.00000E+00	0.00000E+00	0.00000E+00
54	2.46569E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.92887E-06	0.00000E+00	0.00000E+00	0.00000E+00
55	2.58683E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.69951E-06	0.00000E+00	0.00000E+00	0.00000E+00
56	2.92246E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.06693E-06	0.00000E+00	0.00000E+00	0.00000E+00
57	3.77441E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.38052E-06	0.00000E+00	0.00000E+00	0.00000E+00
58	4.49142E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.38568E-05	0.00000E+00	0.00000E+00	0.00000E+00
59	5.25118E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.10933E-04	0.00000E+00	0.00000E+00	0.00000E+00
60	5.71390E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.47086E-04	0.00000E+00	0.00000E+00	0.00000E+00
61	5.92982E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.26722E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	6.36013E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.80554E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	6.33469E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.65814E-03	0.00000E+00	0.00000E+00	0.00000E+00
64	8.03042E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.25383E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	1.08251E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.94254E+00	0.00000E+00	0.00000E+00
4	2.92814E-05	7.75899E-05	9.98510E-05	9.19180E-05	0.00000E+00	3.33087E-01	9.01407E-01	1.25657E+00
5	3.76638E-05	8.64871E-05	7.58320E-05	1.65351E-05	0.00000E+00	2.72359E-01	6.24275E-01	5.43939E-01
6	2.74196E-05	5.37490E-05	2.24561E-05	-3.98945E-05	0.00000E+00	1.99529E-01	3.90955E-01	1.62796E-01
7	1.99066E-05	3.21871E-05	-3.93442E-06	-4.89975E-05	1.17230E-06	1.45501E-01	2.35226E-01	-2.88489E-02
8	1.31764E-05	1.50691E-05	-1.66184E-05	-3.52555E-05	0.00000E+00	1.07372E-01	1.10375E-01	-1.21750E-01
9	9.60436E-06	6.66858E-06	-1.74252E-05	-1.91915E-05	7.11810E-15	1.48418E-01	4.88744E-02	-1.27709E-01
10	8.45206E-06	3.36353E-06	-1.47583E-05	-1.03408E-05	1.83500E-14	2.37516E-01	2.46553E-02	-1.08181E-01
11	8.44889E-06	1.37139E-06	-1.11302E-05	-4.38132E-06	1.83460E-14	3.69148E-01	1.00523E-02	-8.15826E-02
12	9.14849E-06	7.18187E-07	-9.03454E-06	-2.32301E-06	5.23900E-15	4.67860E-01	5.26453E-03	-6.62248E-02
13	1.00095E-05	4.03011E-07	-7.60706E-06	-1.31337E-06	1.92220E-15	5.54761E-01	2.95417E-03	-5.57598E-02
14	1.08008E-05	2.46539E-07	-6.64962E-06	-8.08388E-07	3.28700E-14	6.21173E-01	1.80724E-03	-4.87457E-02
15	1.19053E-05	1.14848E-07	-5.63043E-06	-3.81581E-07	4.10470E-15	7.06194E-01	8.41890E-04	-4.12730E-02
16	1.31043E-05	3.96726E-08	-4.84819E-06	-1.37134E-07	8.51110E-15	7.89499E-01	2.90828E-04	-3.55390E-02
17	1.46091E-05	-1.92754E-08	-4.01720E-06	5.50451E-08	2.02380E-14	8.93225E-01	-1.41305E-04	-2.94493E-02
18	7.67473E-09	0.00000E+00	0.00000E+00	0.00000E+00	2.06570E-14	1.20328E-05	0.00000E+00	0.00000E+00
19	3.32173E-09	0.00000E+00	0.00000E+00	0.00000E+00	4.10520E-15	5.22164E-06	0.00000E+00	0.00000E+00
20	1.94951E-09	0.00000E+00	0.00000E+00	0.00000E+00	8.33060E-15	3.06562E-06	0.00000E+00	0.00000E+00
21	1.34014E-09	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.11419E-06	0.00000E+00	0.00000E+00
22	8.70988E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.37719E-06	0.00000E+00	0.00000E+00
23	5.59557E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.87155E-07	0.00000E+00	0.00000E+00
24	3.42743E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.45820E-07	0.00000E+00	0.00000E+00
25	1.94281E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.09907E-07	0.00000E+00	0.00000E+00
26	1.24880E-10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.00829E-07	0.00000E+00	0.00000E+00
27	8.58218E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.40694E-07	0.00000E+00	0.00000E+00
28	5.24953E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.11404E-08	0.00000E+00	0.00000E+00

29	3.18508E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.45390E-08	0.00000E+00	0.00000E+00
30	2.14445E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.45391E-08	0.00000E+00	0.00000E+00
31	1.45718E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.70927E-08	0.00000E+00	0.00000E+00
32	1.07520E-11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.93129E-08	0.00000E+00	0.00000E+00
33	9.48667E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.99132E-08	0.00000E+00	0.00000E+00
34	9.02178E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.68679E-08	0.00000E+00	0.00000E+00
35	8.32844E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.98239E-08	0.00000E+00	0.00000E+00
36	7.33544E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.36650E-07	0.00000E+00	0.00000E+00
37	5.79788E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.83465E-06	0.00000E+00	0.00000E+00
38	4.04612E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.93364E-05	0.00000E+00	0.00000E+00
39	2.59981E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.66013E-05	0.00000E+00	0.00000E+00
40	1.30465E-12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.13318E-07	0.00000E+00	0.00000E+00
41	5.64952E-13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.05675E-05	0.00000E+00	0.00000E+00
42	2.84263E-14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.83824E-06	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.80554E-05	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.93659E-05	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.58258E-05	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.70694E-05	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.82146E-06	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.47767E-06	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	4.90525E-06	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.30181E-06	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.61953E-06	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.69706E-06	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.75380E-06	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	5.77228E-06	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.21374E-06	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.07934E-03	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.17230E-06	2.99739E-02	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.11810E-15	4.00127E-02	0.00000E+00	0.00000E+00
59	2.16244E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.83500E-14	3.87326E-02	0.00000E+00	0.00000E+00
60	7.31589E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.83460E-14	4.57599E-02	0.00000E+00	0.00000E+00
61	6.28481E-07	0.00000E+00	0.00000E+00	0.00000E+00	5.23900E-15	4.16491E-02	0.00000E+00	0.00000E+00
62	5.63326E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.92220E-15	4.38893E-02	0.00000E+00	0.00000E+00
63	3.67350E-07	0.00000E+00	0.00000E+00	0.00000E+00	3.28700E-14	5.62811E-02	0.00000E+00	0.00000E+00
64	2.13847E-07	0.00000E+00	0.00000E+00	0.00000E+00	4.10470E-15	5.63305E-02	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.51110E-15	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.02380E-14	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.06570E-14	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.10520E-15	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.33060E-15	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	9.31289E-02	0.00000E+00	0.00000E+00	0.00000E+00
4	1.37194E+00	2.51580E-02	6.66489E-02	8.57154E-02	7.87969E-02
5	1.10952E-01	3.24444E-02	7.44981E-02	6.53183E-02	1.42365E-02
6	-2.91105E-01	2.36167E-02	4.62948E-02	1.93388E-02	-3.43641E-02
7	-3.58194E-01	1.71506E-02	2.77295E-02	-3.39204E-03	-4.22151E-02
8	-2.58251E-01	1.13374E-02	1.29814E-02	-1.43169E-02	-3.03720E-02
9	-1.40651E-01	8.14295E-03	5.74287E-03	-1.50066E-02	-1.65271E-02
10	-7.57991E-02	6.90240E-03	2.89676E-03	-1.27107E-02	-8.90567E-03
11	-3.21147E-02	6.47119E-03	1.18083E-03	-9.58383E-03	-3.77256E-03
12	-1.70278E-02	6.72308E-03	6.18355E-04	-7.77851E-03	-2.00006E-03
13	-9.62707E-03	7.15816E-03	3.46966E-04	-6.54906E-03	-1.13071E-03
14	-5.92569E-03	7.59406E-03	2.12245E-04	-5.72483E-03	-6.95935E-04
15	-2.79716E-03	8.23651E-03	9.88680E-05	-4.84706E-03	-3.28498E-04
16	-1.00530E-03	8.96294E-03	3.41580E-05	-4.17474E-03	-1.18074E-04
17	4.03525E-04	9.89392E-03	-1.65978E-05	-3.45881E-03	4.74003E-05

18	0.00000E+00	1.49696E+00	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	6.48276E-01	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	3.80630E-01	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	2.61769E-01	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	1.70035E-01	0.00000E+00	0.00000E+00	0.00000E+00
23	0.00000E+00	1.09183E-01	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	6.68178E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	0.00000E+00	3.78156E-02	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	2.42823E-02	0.00000E+00	0.00000E+00	0.00000E+00
27	0.00000E+00	1.66543E-02	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	1.01566E-02	0.00000E+00	0.00000E+00	0.00000E+00
29	0.00000E+00	6.13872E-03	0.00000E+00	0.00000E+00	0.00000E+00
30	0.00000E+00	4.13151E-03	0.00000E+00	0.00000E+00	0.00000E+00
31	0.00000E+00	2.82565E-03	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	2.11623E-03	0.00000E+00	0.00000E+00	0.00000E+00
33	0.00000E+00	1.87561E-03	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	1.79677E-03	0.00000E+00	0.00000E+00	0.00000E+00
35	0.00000E+00	1.67870E-03	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	1.50735E-03	0.00000E+00	0.00000E+00	0.00000E+00
37	0.00000E+00	1.26487E-03	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	1.00970E-03	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	8.08262E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	5.79880E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	4.17682E-04	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	3.38558E-04	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	2.50558E-04	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	1.56371E-04	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	1.07290E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	8.06720E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	5.12666E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	4.60000E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	6.65967E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	5.52675E-05	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	5.15648E-05	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	5.31385E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	5.51287E-05	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	6.23077E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	0.00000E+00	6.30174E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	5.33442E-05	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	6.70955E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	3.69023E-05	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	2.16211E-04	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	6.31663E-04	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	4.86912E-04	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	4.35519E-04	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	3.30977E-04	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	2.61769E-04	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
66 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 62

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	1.07841E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.36411E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.52425E-01	3.57493E-01	4.14943E-01	4.15358E-01	4.22791E-01	9.04833E-01	7.83383E-01	4.89552E-01
5	8.29727E-02	7.10137E-02	-5.74478E-02	-5.14481E-02	3.71043E-01	3.19894E-01	-2.52642E-01	-2.28257E-01
6	5.59694E-02	-1.01267E-02	-7.73764E-02	-1.48131E-03	2.47897E-01	-4.47227E-02	-3.42736E-01	-6.87367E-03
7	4.85751E-02	-2.65774E-02	-5.71411E-02	1.42357E-02	2.16461E-01	-1.18397E-01	-2.54657E-01	6.33355E-02
8	4.13241E-02	-3.68676E-02	-3.24367E-02	1.49981E-02	1.83584E-01	-1.63713E-01	-1.44200E-01	6.66117E-02

9	2.90971E-02	-3.41553E-02	-1.46291E-02	1.94938E-02	1.29262E-01	-1.51739E-01	-6.49873E-02	8.66071E-02
10	1.92906E-02	-2.66135E-02	-4.99434E-03	1.86053E-02	8.57374E-02	-1.18285E-01	-2.21986E-02	8.26922E-02
11	1.35721E-02	-2.03641E-02	-9.31364E-04	1.45731E-02	6.03145E-02	-9.05001E-02	-4.13899E-03	6.47626E-02
12	8.90112E-03	-1.43114E-02	1.13479E-03	9.96728E-03	3.95557E-02	-6.35996E-02	5.04281E-03	4.42940E-02
13	6.80927E-03	-1.12926E-02	1.56143E-03	7.62934E-03	3.02593E-02	-5.01821E-02	6.93873E-03	3.39030E-02
14	5.53378E-03	-9.35410E-03	1.64185E-03	6.16031E-03	2.45905E-02	-4.15669E-02	7.29597E-03	2.73743E-02
15	4.73758E-03	-8.10068E-03	1.60612E-03	5.23860E-03	2.10512E-02	-3.59952E-02	7.13690E-03	2.32778E-02
16	3.92591E-03	-6.79385E-03	1.51076E-03	4.29992E-03	1.74450E-02	-3.01882E-02	6.71306E-03	1.91066E-02
17	3.32883E-03	-5.81116E-03	1.39542E-03	3.61425E-03	1.47915E-02	-2.58214E-02	6.20049E-03	1.60597E-02
18	2.71416E-03	-4.78229E-03	1.23897E-03	2.91513E-03	1.20595E-02	-2.12485E-02	5.50501E-03	1.29524E-02
19	8.43010E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.04652E-02	0.00000E+00	0.00000E+00	0.00000E+00
20	1.51876E-01	0.00000E+00	0.00000E+00	0.00000E+00	8.86516E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	2.82523E-02	0.00000E+00	0.00000E+00	0.00000E+00	5.15174E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	4.06788E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.54414E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	1.77519E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.30299E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	1.85473E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.48142E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	9.86829E-02	0.00000E+00	0.00000E+00	0.00000E+00	9.50606E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	1.99995E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.44895E-03	0.00000E+00	0.00000E+00	0.00000E+00
27	2.33558E-02	0.00000E+00	0.00000E+00	0.00000E+00	7.38902E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	6.76402E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.78114E-03	0.00000E+00	0.00000E+00	0.00000E+00
29	4.09238E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.89600E-03	0.00000E+00	0.00000E+00	0.00000E+00
30	2.21461E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.76562E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.36573E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.39318E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	1.00292E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.34791E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	8.49354E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00269E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	7.68070E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.88071E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	7.45815E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.08807E-04	0.00000E+00	0.00000E+00	0.00000E+00
36	7.11602E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.12547E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	6.55746E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.35806E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	5.45065E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.26110E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	4.15039E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.25905E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	3.52429E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.16491E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	3.21062E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.92943E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	3.24076E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.18348E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	3.38255E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.10194E-04	0.00000E+00	0.00000E+00	0.00000E+00
44	3.70308E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.70646E-04	0.00000E+00	0.00000E+00	0.00000E+00
45	6.72993E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.75258E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	1.32804E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.03547E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	2.33479E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.54454E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	4.95918E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.14155E-03	0.00000E+00	0.00000E+00	0.00000E+00
49	8.86178E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.82735E-03	0.00000E+00	0.00000E+00	0.00000E+00
50	1.01915E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.25079E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	1.03295E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.42334E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	9.86065E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.35835E-03	0.00000E+00	0.00000E+00	0.00000E+00
53	9.69486E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.31921E-03	0.00000E+00	0.00000E+00	0.00000E+00
54	9.54749E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.28052E-03	0.00000E+00	0.00000E+00	0.00000E+00
55	9.08266E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.22113E-03	0.00000E+00	0.00000E+00	0.00000E+00
56	8.38872E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.12353E-03	0.00000E+00	0.00000E+00	0.00000E+00
57	7.95395E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.99834E-03	0.00000E+00	0.00000E+00	0.00000E+00
58	8.21602E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.90485E-03	0.00000E+00	0.00000E+00	0.00000E+00
59	9.54667E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.24664E-03	0.00000E+00	0.00000E+00	0.00000E+00
60	1.04522E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.80920E-03	0.00000E+00	0.00000E+00	0.00000E+00
61	9.51787E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.33614E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	9.34390E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.03938E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	8.47790E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.25380E-03	0.00000E+00	0.00000E+00	0.00000E+00
64	7.23957E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.33000E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	7.84838E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.75656E-03	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	THROUGH 70	SAME AS ABOVE						
0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16

1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	9.82307E-01	0.00000E+00	0.00000E+00	0.00000E+00	9.19865E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	4.40241E-01	9.43511E-01	8.20755E-01	5.18952E-01	4.18230E-01	8.94484E-01	7.72564E-01	4.79898E-01
5	3.84598E-01	3.31546E-01	-2.61944E-01	-2.36650E-01	3.67835E-01	3.17144E-01	-2.50426E-01	-2.26267E-01
6	2.56950E-01	-4.63558E-02	-3.55253E-01	-7.12502E-03	2.45770E-01	-4.43392E-02	-3.39794E-01	-6.81402E-03
7	2.24368E-01	-1.22721E-01	-2.63960E-01	6.56491E-02	2.14609E-01	-1.17386E-01	-2.52479E-01	6.27944E-02
8	1.90292E-01	-1.69693E-01	-1.49467E-01	6.90455E-02	1.82006E-01	-1.62306E-01	-1.42961E-01	6.60392E-02
9	1.33987E-01	-1.57286E-01	-6.73631E-02	8.97734E-02	1.28151E-01	-1.50436E-01	-6.44287E-02	8.58622E-02
10	8.88712E-02	-1.22608E-01	-2.30097E-02	8.57137E-02	8.50006E-02	-1.17271E-01	-2.20080E-02	8.19822E-02
11	6.25200E-02	-9.38086E-02	-4.29036E-03	6.71309E-02	5.97958E-02	-8.97225E-02	-4.10337E-03	6.42055E-02
12	4.10023E-02	-6.59250E-02	5.22720E-03	4.59137E-02	3.92156E-02	-6.30531E-02	4.99947E-03	4.39133E-02
13	3.13656E-02	-5.20171E-02	7.19244E-03	3.51426E-02	2.99992E-02	-4.97506E-02	6.87907E-03	3.36114E-02
14	2.54896E-02	-4.30869E-02	7.56275E-03	2.83751E-02	2.43790E-02	-4.12093E-02	7.23321E-03	2.71389E-02
15	2.18211E-02	-3.73114E-02	7.39786E-03	2.41292E-02	2.08699E-02	-3.56854E-02	7.07549E-03	2.30773E-02
16	1.80828E-02	-3.12922E-02	6.95851E-03	1.98054E-02	1.72949E-02	-2.99283E-02	6.65530E-03	1.89422E-02
17	1.53324E-02	-2.67656E-02	6.42722E-03	1.66469E-02	1.46643E-02	-2.55989E-02	6.14711E-03	1.59213E-02
18	1.25007E-02	-2.20258E-02	5.70630E-03	1.34261E-02	1.19558E-02	-2.10657E-02	5.45772E-03	1.28412E-02
19	1.28463E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.33042E-02	0.00000E+00	0.00000E+00	0.00000E+00
20	5.56242E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.00937E-02	0.00000E+00	0.00000E+00	0.00000E+00
21	3.23926E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.84555E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	2.22491E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.01969E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	1.44020E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.60919E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	9.18959E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.67323E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	6.04121E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.02070E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	1.44796E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.74315E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	6.35620E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.88390E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	2.03538E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.76787E-03	0.00000E+00	0.00000E+00	0.00000E+00
29	1.70148E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.34672E-03	0.00000E+00	0.00000E+00	0.00000E+00
30	4.03732E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.27415E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.91845E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.37957E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	1.96612E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.04119E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	1.78362E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.24142E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	1.86775E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.78786E-04	0.00000E+00	0.00000E+00	0.00000E+00
35	1.42045E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.04344E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.83597E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.17826E-04	0.00000E+00	0.00000E+00	0.00000E+00
37	2.22120E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.54073E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	1.29383E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.27954E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	1.29636E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.34774E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	1.17301E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.02573E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	1.19049E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.34419E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	1.32443E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.05655E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	1.63245E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.08618E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	2.35104E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.64286E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	3.61218E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.24573E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	5.20826E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.15058E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	7.28284E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.25655E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	1.45889E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.57928E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	2.60574E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.13040E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	3.48431E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.83512E-05	0.00000E+00	0.00000E+00	0.00000E+00
51	3.89251E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.06613E-05	0.00000E+00	0.00000E+00	0.00000E+00
52	3.94601E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.59485E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	3.91887E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.54490E-05	0.00000E+00	0.00000E+00	0.00000E+00
54	3.88087E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.51861E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	3.98779E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.34834E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	4.12753E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.93748E-05	0.00000E+00	0.00000E+00	0.00000E+00
57	4.36926E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.01354E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	4.99179E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.04990E-04	0.00000E+00	0.00000E+00	0.00000E+00
59	5.96762E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.31891E-04	0.00000E+00	0.00000E+00	0.00000E+00
60	6.85576E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.81935E-04	0.00000E+00	0.00000E+00	0.00000E+00

61	7.14767E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.65189E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	7.69298E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.38094E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	8.54626E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.59658E-03	0.00000E+00	0.00000E+00	0.00000E+00
64	8.26346E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.57848E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	7.41179E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.60933E-03	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	1.34873E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.03292E+00	0.00000E+00	0.00000E+00
4	6.46610E-05	1.34243E-04	1.04762E-04	4.77855E-05	0.00000E+00	8.68514E-01	2.05303E+00	2.43052E+00
5	6.18625E-05	5.34890E-05	-4.18014E-05	-3.78036E-05	0.00000E+00	4.48691E-01	3.83070E-01	-3.12193E-01
6	4.12740E-05	-7.42932E-06	-5.70676E-05	-1.16333E-06	0.00000E+00	3.02434E-01	-5.46414E-02	-4.18174E-01
7	3.59450E-05	-1.96608E-05	-4.22867E-05	1.05173E-05	7.53170E-07	2.62540E-01	-1.43703E-01	-3.08789E-01
8	3.05515E-05	-2.72486E-05	-2.39910E-05	1.10849E-05	0.00000E+00	2.23524E-01	-1.99367E-01	-1.75517E-01
9	2.15243E-05	-2.52667E-05	-1.08219E-05	1.44215E-05	5.01850E-15	1.57682E-01	-1.85102E-01	-7.92732E-02
10	1.42730E-05	-1.96915E-05	-3.69549E-06	1.37660E-05	1.30940E-14	1.04608E-01	-1.44320E-01	-2.70831E-02
11	1.00405E-05	-1.50650E-05	-6.88988E-07	1.07809E-05	1.30870E-14	7.35986E-02	-1.10428E-01	-5.05075E-03
12	6.58478E-06	-1.05874E-05	8.39482E-07	7.37357E-06	2.98790E-15	4.82673E-02	-7.76038E-02	6.15334E-03
13	5.03712E-06	-8.35374E-06	1.15507E-06	5.64364E-06	1.07360E-15	3.69213E-02	-6.12332E-02	8.46674E-03
14	4.09346E-06	-6.91939E-06	1.21451E-06	4.55680E-06	6.33820E-14	3.00062E-02	-5.07219E-02	8.90289E-03
15	3.50427E-06	-5.99189E-06	1.18802E-06	3.87488E-06	2.28740E-15	2.56882E-02	-4.39223E-02	8.70890E-03
16	2.90392E-06	-5.02523E-06	1.11746E-06	3.18057E-06	4.80780E-15	2.12871E-02	-3.68389E-02	8.19158E-03
17	2.46218E-06	-4.29828E-06	1.03214E-06	2.67332E-06	1.48590E-14	1.80496E-02	-3.15097E-02	7.56639E-03
18	2.00752E-06	-3.53716E-06	9.16415E-07	2.15613E-06	1.72100E-14	1.47167E-02	-2.59304E-02	6.71783E-03
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.88100E-15	7.26319E-06	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.69240E-15	3.15186E-06	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.85042E-06	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.27613E-06	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.31266E-07	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.35493E-07	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.29465E-07	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.87061E-07	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21232E-07	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.49379E-08	0.00000E+00	0.00000E+00
29	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.50175E-08	0.00000E+00	0.00000E+00
30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.89273E-08	0.00000E+00	0.00000E+00
31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.28300E-08	0.00000E+00	0.00000E+00
32	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.42589E-08	0.00000E+00	0.00000E+00
33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.15600E-08	0.00000E+00	0.00000E+00
34	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.79077E-08	0.00000E+00	0.00000E+00
35	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.20746E-08	0.00000E+00	0.00000E+00
36	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.98343E-08	0.00000E+00	0.00000E+00
37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.18861E-08	0.00000E+00	0.00000E+00
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.89505E-06	0.00000E+00	0.00000E+00
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.35249E-05	0.00000E+00	0.00000E+00
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.18262E-05	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.42652E-07	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21843E-05	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.62779E-06	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.64713E-05	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.88502E-05	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.49734E-05	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.84217E-06	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.17958E-06	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	2.55163E-06	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.79277E-06	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.01474E-06	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.19204E-06	0.00000E+00	0.00000E+00

53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.23493E-06	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.26614E-06	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	3.27294E-06	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.38446E-06	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.53170E-07	2.06164E-04	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.01850E-15	5.12234E-03	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.30940E-14	6.30180E-03	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.30870E-14	5.71322E-03	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.98790E-15	7.94579E-03	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07360E-15	6.30246E-03	0.00000E+00	0.00000E+00
63	8.38257E-08	0.00000E+00	0.00000E+00	0.00000E+00	6.33820E-14	3.11134E-03	0.00000E+00	0.00000E+00
64	1.89175E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.28740E-15	1.46689E-03	0.00000E+00	0.00000E+00
65	1.90559E-07	0.00000E+00	0.00000E+00	0.00000E+00	4.80780E-15	2.47249E-03	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.48590E-14	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.72100E-14	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.88100E-15	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.69240E-15	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	1.15946E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.48948E+00	5.55124E-02	1.15116E-01	8.94452E-02	4.01182E-02
5	-2.78584E-01	5.32516E-02	4.60465E-02	-3.59807E-02	-3.25392E-02
6	-8.05995E-03	3.55544E-02	-6.40165E-03	-4.91592E-02	-1.00034E-03
7	7.69736E-02	3.09598E-02	-1.69351E-02	-3.64212E-02	9.05899E-03
8	8.11240E-02	2.63219E-02	-2.34775E-02	-2.06683E-02	9.55043E-03
9	1.05657E-01	1.85428E-02	-2.17670E-02	-9.32267E-03	1.24242E-02
10	1.00893E-01	1.22917E-02	-1.69581E-02	-3.18238E-03	1.18552E-02
11	7.90257E-02	8.64732E-03	-1.29748E-02	-5.93335E-04	9.28479E-03
12	5.40475E-02	5.66981E-03	-9.11616E-03	7.22845E-04	6.34914E-03
13	4.13687E-02	4.33684E-03	-7.19230E-03	9.94502E-04	4.85919E-03
14	3.34011E-02	3.52422E-03	-5.95729E-03	1.04563E-03	3.92312E-03
15	2.84048E-02	3.01688E-03	-5.15840E-03	1.02279E-03	3.33598E-03
16	2.33151E-02	2.49993E-03	-4.32616E-03	9.62019E-04	2.73810E-03
17	1.95972E-02	2.12019E-03	-3.70126E-03	8.88774E-04	2.30195E-03
18	1.58061E-02	1.72847E-03	-3.04551E-03	7.89035E-04	1.85644E-03
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	THROUGH 59	SAME AS ABOVE			
60	0.00000E+00	3.22724E-09	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	1.42805E-07	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	2.11315E-07	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	7.23569E-05	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	1.63673E-04	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	1.65215E-04	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	THROUGH 70	SAME AS ABOVE			

0 CROSS SECTIONS FOR GRP. 63

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	3.79264E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.87478E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	3.47185E-01	6.64977E-01	8.35534E-01	9.25522E-01	8.40001E-01	1.14826E+00	1.07833E+00	9.83500E-01
5	9.34060E-02	-5.97866E-02	-1.42049E-02	-1.01183E-02	4.20735E-01	-2.62540E-01	-6.25586E-02	-4.64594E-02
6	2.30754E-02	-5.12038E-02	4.17325E-02	-8.01482E-03	1.02552E-01	-2.27583E-01	1.85535E-01	-3.56817E-02
7	8.88443E-03	-2.34595E-02	2.97591E-02	-2.60433E-02	3.93053E-02	-1.03793E-01	1.31672E-01	-1.15252E-01
8	4.35858E-03	-1.21972E-02	1.76042E-02	-1.95874E-02	1.94091E-02	-5.43161E-02	7.83980E-02	-8.72387E-02
9	7.89635E-04	-2.30299E-03	3.62534E-03	-4.65164E-03	3.51755E-03	-1.02589E-02	1.61479E-02	-2.07175E-02
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

11	THROUGH 19	SAME AS ABOVE						
20	4.56954E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.46471E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	7.91411E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.66684E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	1.41879E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.12885E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	1.48782E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.46460E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	8.98912E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.51774E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	3.43725E-01	0.00000E+00	0.00000E+00	0.00000E+00	6.12244E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	1.76077E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.84258E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	2.92456E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.92099E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	4.06066E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.34302E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	9.97534E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.61100E-03	0.00000E+00	0.00000E+00	0.00000E+00
30	6.17300E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.01547E-03	0.00000E+00	0.00000E+00	0.00000E+00
31	3.32776E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.11673E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	2.01185E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.52598E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	1.45749E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.32768E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	1.23574E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.51691E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	1.11186E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.15674E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.07189E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.80920E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	1.01178E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.91546E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	9.20338E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.42906E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	7.30284E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.03359E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	4.98345E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.04403E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	3.98731E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.92606E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	4.48736E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.36439E-04	0.00000E+00	0.00000E+00	0.00000E+00
43	6.27066E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.84479E-04	0.00000E+00	0.00000E+00	0.00000E+00
44	9.64442E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.80456E-04	0.00000E+00	0.00000E+00	0.00000E+00
45	1.38769E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.16807E-03	0.00000E+00	0.00000E+00	0.00000E+00
46	1.88068E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.36561E-03	0.00000E+00	0.00000E+00	0.00000E+00
47	2.36252E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.54415E-03	0.00000E+00	0.00000E+00	0.00000E+00
48	2.82821E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.69303E-03	0.00000E+00	0.00000E+00	0.00000E+00
49	3.93608E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.18737E-03	0.00000E+00	0.00000E+00	0.00000E+00
50	5.67077E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.67549E-03	0.00000E+00	0.00000E+00	0.00000E+00
51	5.96729E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.82515E-03	0.00000E+00	0.00000E+00	0.00000E+00
52	5.71302E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.77630E-03	0.00000E+00	0.00000E+00	0.00000E+00
53	5.42723E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.72291E-03	0.00000E+00	0.00000E+00	0.00000E+00
54	5.33285E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.66157E-03	0.00000E+00	0.00000E+00	0.00000E+00
55	5.24923E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.62666E-03	0.00000E+00	0.00000E+00	0.00000E+00
56	4.98866E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.59054E-03	0.00000E+00	0.00000E+00	0.00000E+00
57	4.60411E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.49254E-03	0.00000E+00	0.00000E+00	0.00000E+00
58	4.29367E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.36769E-03	0.00000E+00	0.00000E+00	0.00000E+00
59	4.21817E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.33107E-03	0.00000E+00	0.00000E+00	0.00000E+00
60	4.74554E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.60382E-03	0.00000E+00	0.00000E+00	0.00000E+00
61	6.13254E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.23146E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	7.11541E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.74639E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	5.53183E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.16676E-03	0.00000E+00	0.00000E+00	0.00000E+00
64	3.94445E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.72492E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	3.38149E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.74793E-03	0.00000E+00	0.00000E+00	0.00000E+00
66	3.76917E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.91674E-03	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.02240E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.80186E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	8.77798E-01	1.20983E+00	1.14877E+00	1.05857E+00	8.29511E-01	1.12901E+00	1.05432E+00	9.57032E-01
5	4.36074E-01	-2.72258E-01	-6.48861E-02	-4.81224E-02	4.17168E-01	-2.60281E-01	-6.20353E-02	-4.60766E-02
6	1.06307E-01	-2.35911E-01	1.92321E-01	-3.69862E-02	1.01661E-01	-2.25606E-01	1.83925E-01	-3.53727E-02
7	4.07410E-02	-1.07583E-01	1.36480E-01	-1.19461E-01	3.89678E-02	-1.02902E-01	1.30543E-01	-1.14264E-01
8	2.01180E-02	-5.62999E-02	8.12614E-02	-9.04236E-02	1.92434E-02	-5.38519E-02	7.77279E-02	-8.64939E-02
9	3.64601E-03	-1.06334E-02	1.67378E-02	-2.14740E-02	3.48737E-03	-1.01710E-02	1.60092E-02	-2.05397E-02

10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11	THROUGH 19	SAME AS ABOVE						
20	5.19073E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.50833E-03	0.00000E+00	0.00000E+00	0.00000E+00
21	2.24826E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.11844E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	1.30895E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.38160E-03	0.00000E+00	0.00000E+00	0.00000E+00
23	9.00063E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.63774E-03	0.00000E+00	0.00000E+00	0.00000E+00
24	5.84131E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.06312E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	3.74643E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.81833E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	2.37793E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.16060E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	3.43003E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.34451E-04	0.00000E+00	0.00000E+00	0.00000E+00
28	1.73776E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.59593E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	8.50677E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.60917E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	8.58996E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.33506E-03	0.00000E+00	0.00000E+00	0.00000E+00
31	1.77950E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.59069E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	8.21878E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.98242E-06	0.00000E+00	0.00000E+00	0.00000E+00
33	7.77038E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.64585E-06	0.00000E+00	0.00000E+00	0.00000E+00
34	6.34545E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.18324E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	6.85504E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.43091E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	5.15189E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.45192E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	6.43480E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.76159E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	9.42758E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.86366E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	5.30620E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.04462E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	5.93275E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.44607E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	5.94389E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.41402E-05	0.00000E+00	0.00000E+00	0.00000E+00
42	2.05123E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.02125E-04	0.00000E+00	0.00000E+00	0.00000E+00
43	3.55406E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.00388E-04	0.00000E+00	0.00000E+00	0.00000E+00
44	5.50908E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.93311E-04	0.00000E+00	0.00000E+00	0.00000E+00
45	7.70914E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.85353E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	9.57260E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.39009E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	1.12634E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.80755E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	1.29812E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.59329E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	1.92898E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.07446E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.60651E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.68918E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	2.88108E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.91475E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	2.94503E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.99606E-04	0.00000E+00	0.00000E+00	0.00000E+00
53	2.95395E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.05843E-04	0.00000E+00	0.00000E+00	0.00000E+00
54	2.90553E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.91854E-04	0.00000E+00	0.00000E+00	0.00000E+00
55	2.90313E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.83170E-04	0.00000E+00	0.00000E+00	0.00000E+00
56	2.94692E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.88356E-04	0.00000E+00	0.00000E+00	0.00000E+00
57	2.98571E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.76429E-04	0.00000E+00	0.00000E+00	0.00000E+00
58	3.03316E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.70034E-04	0.00000E+00	0.00000E+00	0.00000E+00
59	3.13867E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.22471E-04	0.00000E+00	0.00000E+00	0.00000E+00
60	3.54582E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.11469E-04	0.00000E+00	0.00000E+00	0.00000E+00
61	4.06944E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.58944E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	4.39767E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.16404E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	4.56397E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.63030E-03	0.00000E+00	0.00000E+00	0.00000E+00
64	4.81079E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.24605E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	4.95689E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.99779E-03	0.00000E+00	0.00000E+00	0.00000E+00
66	5.41590E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.74654E-03	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	1.70398E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.04513E+01	0.00000E+00	0.00000E+00
4	1.18127E-04	1.33156E-04	9.03959E-05	4.96854E-05	0.00000E+00	2.25329E+00	4.55949E+00	5.91052E+00
5	7.00991E-05	-4.31938E-05	-1.00557E-05	-7.62110E-06	0.00000E+00	5.05503E-01	-3.25806E-01	-7.76005E-02
6	1.70866E-05	-3.79113E-05	3.08893E-05	-5.91863E-06	0.00000E+00	1.24957E-01	-2.77294E-01	2.26055E-01
7	6.54677E-06	-1.72870E-05	2.19278E-05	-1.91872E-05	3.83460E-07	4.80298E-02	-1.26818E-01	1.60853E-01
8	3.22289E-06	-9.01918E-06	1.30181E-05	-1.44862E-05	0.00000E+00	2.35444E-02	-6.58883E-02	9.51060E-02

9	5.84547E-07	-1.70470E-06	2.68345E-06	-3.44284E-06	6.55810E-15	4.27906E-03	-1.24796E-02	1.96444E-02
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.77040E-14	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.76810E-14	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.58280E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.72530E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.39990E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.83080E-16	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.35610E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.14070E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.99530E-14	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.12840E-15	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24150E-15	2.07144E-09	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.98900E-10	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.27740E-10	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.63968E-10	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.37081E-10	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.52723E-10	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.39645E-11	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	THROUGH 37	SAME AS ABOVE						
38	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.73600E-11	0.00000E+00	0.00000E+00
39	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.96638E-09	0.00000E+00	0.00000E+00
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.06428E-08	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.10056E-08	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.26194E-09	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.82250E-08	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.06706E-08	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.76901E-08	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.56046E-08	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.36716E-08	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.19601E-08	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.28697E-09	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	7.34336E-09	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.39051E-09	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20935E-08	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.44495E-08	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.52245E-08	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.59252E-08	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.78592E-08	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.54713E-08	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.83460E-07	1.17679E-08	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.55810E-15	9.16617E-06	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.77040E-14	3.11986E-04	0.00000E+00	0.00000E+00
61	1.57534E-09	0.00000E+00	0.00000E+00	0.00000E+00	1.76810E-14	9.15693E-04	0.00000E+00	0.00000E+00
62	4.52906E-08	0.00000E+00	0.00000E+00	0.00000E+00	1.58280E-15	2.38799E-04	0.00000E+00	0.00000E+00
63	1.51190E-07	0.00000E+00	0.00000E+00	0.00000E+00	4.72530E-16	3.33846E-04	0.00000E+00	0.00000E+00
64	3.68584E-07	0.00000E+00	0.00000E+00	0.00000E+00	1.39990E-13	1.77893E-04	0.00000E+00	0.00000E+00
65	6.20967E-07	0.00000E+00	0.00000E+00	0.00000E+00	9.83080E-16	3.18330E-04	0.00000E+00	0.00000E+00
66	6.64506E-07	0.00000E+00	0.00000E+00	0.00000E+00	2.35610E-15	4.89403E-04	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.14070E-14	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.99530E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.12840E-15	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24150E-15	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	1.45528E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	6.66702E+00	1.00972E-01	1.12681E-01	7.50263E-02	3.91123E-02
5	-5.48855E-02	6.03787E-02	-3.71716E-02	-8.64522E-03	-6.56259E-03
6	-4.35099E-02	1.47084E-02	-3.26347E-02	2.65898E-02	-5.09464E-03

7	-1.40727E-01	5.63949E-03	-1.48910E-02	1.88887E-02	-1.65288E-02
8	-1.05835E-01	2.77571E-03	-7.76777E-03	1.12119E-02	-1.24767E-02
9	-2.52039E-02	5.03408E-04	-1.46814E-03	2.31104E-03	-2.96510E-03
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
11 THROUGH 60 SAME AS ABOVE					
61	0.00000E+00	1.35608E-06	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	3.89871E-05	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	1.29931E-04	0.00000E+00	0.00000E+00	0.00000E+00
64	0.00000E+00	2.32933E-04	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	2.59163E-04	0.00000E+00	0.00000E+00	0.00000E+00
66	0.00000E+00	2.03615E-04	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
68 THROUGH 70 SAME AS ABOVE					

0 CROSS SECTIONS FOR GRP. 64

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2 THROUGH 2 SAME AS ABOVE								
3	5.71237E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.10190E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	6.78437E-01	1.23100E+00	1.61924E+00	1.70169E+00	1.34970E+00	1.57133E+00	2.00378E+00	1.92499E+00
5	6.47895E-02	-6.98376E-02	2.18273E-02	-1.60180E-02	3.01696E-01	-3.15990E-01	9.82095E-02	-7.46417E-02
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7 THROUGH 20 SAME AS ABOVE								
21	1.66120E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.97989E-03	0.00000E+00	0.00000E+00	0.00000E+00
22	2.54834E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.58047E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	5.21899E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.04175E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	5.47875E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.47362E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	4.09560E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.26529E-04	0.00000E+00	0.00000E+00	0.00000E+00
26	2.52079E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.47036E-04	0.00000E+00	0.00000E+00	0.00000E+00
27	1.27950E-01	0.00000E+00	0.00000E+00	0.00000E+00	9.59701E-05	0.00000E+00	0.00000E+00	0.00000E+00
28	2.02138E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.29065E-04	0.00000E+00	0.00000E+00	0.00000E+00
29	2.93592E-02	0.00000E+00	0.00000E+00	0.00000E+00	8.89999E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	6.93545E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.08560E-03	0.00000E+00	0.00000E+00	0.00000E+00
31	4.31663E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.09876E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	2.32698E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.96571E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	1.40040E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.53253E-05	0.00000E+00	0.00000E+00	0.00000E+00
34	1.01061E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.62265E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	8.56977E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.26874E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	7.70017E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.58737E-06	0.00000E+00	0.00000E+00	0.00000E+00
37	7.40747E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.90214E-06	0.00000E+00	0.00000E+00	0.00000E+00
38	6.96982E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.15138E-06	0.00000E+00	0.00000E+00	0.00000E+00
39	6.31460E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.08101E-06	0.00000E+00	0.00000E+00	0.00000E+00
40	4.94126E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.82157E-06	0.00000E+00	0.00000E+00	0.00000E+00
41	3.29289E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.66405E-06	0.00000E+00	0.00000E+00	0.00000E+00
42	2.66404E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.65156E-06	0.00000E+00	0.00000E+00	0.00000E+00
43	2.70847E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.39375E-06	0.00000E+00	0.00000E+00	0.00000E+00
44	2.98774E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.01961E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	3.14307E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.91776E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	3.31395E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.02128E-04	0.00000E+00	0.00000E+00	0.00000E+00
47	5.29261E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.59617E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	9.80503E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.03742E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	1.67755E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.50421E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.57116E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.60538E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	2.83117E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.67436E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	2.72695E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.89737E-04	0.00000E+00	0.00000E+00	0.00000E+00
53	2.51417E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.74805E-04	0.00000E+00	0.00000E+00	0.00000E+00
54	2.45281E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.97945E-04	0.00000E+00	0.00000E+00	0.00000E+00
55	2.43433E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.15749E-04	0.00000E+00	0.00000E+00	0.00000E+00
56	2.41772E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.19630E-04	0.00000E+00	0.00000E+00	0.00000E+00
57	2.36704E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.35593E-04	0.00000E+00	0.00000E+00	0.00000E+00

58	2.29269E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.71078E-04	0.00000E+00	0.00000E+00	0.00000E+00
59	2.09285E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.65525E-04	0.00000E+00	0.00000E+00	0.00000E+00
60	1.76456E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.41879E-04	0.00000E+00	0.00000E+00	0.00000E+00
61	1.84129E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.13361E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	2.61306E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.59156E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	3.37892E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.84656E-03	0.00000E+00	0.00000E+00	0.00000E+00
64	2.33816E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.00532E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	1.40007E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.25032E-03	0.00000E+00	0.00000E+00	0.00000E+00
66	1.20890E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.32289E-03	0.00000E+00	0.00000E+00	0.00000E+00
67	1.37661E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.82056E-03	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	5.64690E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.81185E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	1.41977E+00	1.68242E+00	2.15223E+00	2.08144E+00	1.32820E+00	1.53249E+00	1.95232E+00	1.86817E+00
5	3.12056E-01	-3.27034E-01	1.01689E-01	-7.72545E-02	2.99507E-01	-3.13636E-01	9.74877E-02	-7.40759E-02
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 20	SAME AS ABOVE						
21	1.49886E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.53514E-04	0.00000E+00	0.00000E+00	0.00000E+00
22	6.49347E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.69905E-04	0.00000E+00	0.00000E+00	0.00000E+00
23	3.81332E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.17354E-04	0.00000E+00	0.00000E+00	0.00000E+00
24	2.62402E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.49761E-04	0.00000E+00	0.00000E+00	0.00000E+00
25	1.70592E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.76769E-05	0.00000E+00	0.00000E+00	0.00000E+00
26	1.09921E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.34072E-05	0.00000E+00	0.00000E+00	0.00000E+00
27	7.17315E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.01688E-05	0.00000E+00	0.00000E+00	0.00000E+00
28	1.26385E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.61802E-05	0.00000E+00	0.00000E+00	0.00000E+00
29	6.91879E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.83861E-05	0.00000E+00	0.00000E+00	0.00000E+00
30	5.68864E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.80696E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	2.13439E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.61801E-05	0.00000E+00	0.00000E+00	0.00000E+00
32	8.42890E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.97868E-05	0.00000E+00	0.00000E+00	0.00000E+00
33	3.55914E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.90606E-06	0.00000E+00	0.00000E+00	0.00000E+00
34	3.12978E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.46814E-06	0.00000E+00	0.00000E+00	0.00000E+00
35	2.26683E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.54116E-06	0.00000E+00	0.00000E+00	0.00000E+00
36	1.69468E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.66410E-06	0.00000E+00	0.00000E+00	0.00000E+00
37	1.63996E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.82729E-06	0.00000E+00	0.00000E+00	0.00000E+00
38	1.39750E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.47808E-06	0.00000E+00	0.00000E+00	0.00000E+00
39	1.43335E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.10490E-06	0.00000E+00	0.00000E+00	0.00000E+00
40	8.17652E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.38256E-06	0.00000E+00	0.00000E+00	0.00000E+00
41	6.08032E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.14307E-06	0.00000E+00	0.00000E+00	0.00000E+00
42	5.11817E-06	0.00000E+00	0.00000E+00	0.00000E+00	7.92049E-07	0.00000E+00	0.00000E+00	0.00000E+00
43	1.01131E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.22451E-07	0.00000E+00	0.00000E+00	0.00000E+00
44	2.69591E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.57030E-07	0.00000E+00	0.00000E+00	0.00000E+00
45	6.27325E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.05520E-07	0.00000E+00	0.00000E+00	0.00000E+00
46	1.28919E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.50037E-07	0.00000E+00	0.00000E+00	0.00000E+00
47	2.01385E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.17782E-07	0.00000E+00	0.00000E+00	0.00000E+00
48	2.57291E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.89467E-07	0.00000E+00	0.00000E+00	0.00000E+00
49	3.17540E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.74081E-07	0.00000E+00	0.00000E+00	0.00000E+00
50	4.78245E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.30242E-07	0.00000E+00	0.00000E+00	0.00000E+00
51	7.11992E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.06595E-07	0.00000E+00	0.00000E+00	0.00000E+00
52	8.68182E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.57073E-08	0.00000E+00	0.00000E+00	0.00000E+00
53	9.83571E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.87967E-08	0.00000E+00	0.00000E+00	0.00000E+00
54	1.14546E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.59473E-08	0.00000E+00	0.00000E+00	0.00000E+00
55	1.23111E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.53530E-08	0.00000E+00	0.00000E+00	0.00000E+00
56	1.26748E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.48491E-08	0.00000E+00	0.00000E+00	0.00000E+00
57	1.39794E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.33735E-08	0.00000E+00	0.00000E+00	0.00000E+00
58	1.63024E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.91494E-08	0.00000E+00	0.00000E+00	0.00000E+00
59	2.11801E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.27947E-07	0.00000E+00	0.00000E+00	0.00000E+00
60	2.97263E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.15998E-06	0.00000E+00	0.00000E+00	0.00000E+00

61	3.77822E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.25847E-04	0.00000E+00	0.00000E+00	0.00000E+00
62	4.61046E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.04573E-04	0.00000E+00	0.00000E+00	0.00000E+00
63	4.81486E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.37584E-04	0.00000E+00	0.00000E+00	0.00000E+00
64	4.87438E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.06492E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	4.87268E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.41243E-03	0.00000E+00	0.00000E+00	0.00000E+00
66	4.18725E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.83421E-03	0.00000E+00	0.00000E+00	0.00000E+00
67	2.62926E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.68733E-03	0.00000E+00	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.01262E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.78912E+01	0.00000E+00	0.00000E+00
4	1.66011E-04	1.10176E-04	1.10088E-04	5.52728E-05	0.00000E+00	3.68950E+00	6.73631E+00	8.94050E+00
5	5.12229E-05	-5.23564E-05	1.63494E-05	-1.27345E-05	0.00000E+00	3.46779E-01	-3.77033E-01	1.17603E-01
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.64930E-07	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.58790E-14	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.36780E-14	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.36120E-14	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.63870E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.50150E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04710E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.46450E-16	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.97990E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.39940E-14	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.21860E-14	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.18670E-14	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.73560E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.28594E-10	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.56215E-10	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.84709E-10	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.16581E-10	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.92701E-11	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.81816E-11	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	THROUGH 39	SAME AS ABOVE						
40	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.17000E-09	0.00000E+00	0.00000E+00
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.62495E-08	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.03940E-08	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.80792E-10	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.12866E-08	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.26818E-09	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.50767E-08	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.62422E-08	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.34690E-08	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	8.78412E-09	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.11482E-09	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.93734E-09	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.75614E-09	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.83762E-09	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.77987E-09	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.08966E-09	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	6.37010E-09	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.64930E-07	7.14376E-09	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.58790E-14	6.18864E-09	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.36780E-14	4.70730E-09	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.36120E-14	3.66640E-06	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.63870E-15	1.24796E-04	0.00000E+00	0.00000E+00

62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.50150E-16	3.42688E-04	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.04710E-13	6.10946E-05	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.46450E-16	4.68420E-05	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.97990E-15	4.83465E-05	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.39940E-14	1.22644E-04	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.21860E-14	1.89209E-04	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.18670E-14	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.73560E-15	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	1.69863E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	9.44924E+00	1.41496E-01	9.04018E-02	8.79045E-02	3.89453E-02
5	-8.54955E-02	4.40392E-02	-4.49137E-02	1.40353E-02	-1.09134E-02
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 70	SAME AS ABOVE			

0 CROSS SECTIONS FOR GRP. 65

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	1.80539E+01	0.00000E+00	0.00000E+00	0.00000E+00	1.58361E+01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.39607E+00	2.43601E+00	3.18817E+00	3.10534E+00	2.10444E+00	2.42320E+00	3.55697E+00	3.25244E+00
5	3.54674E-02	-4.69052E-02	2.05187E-02	-1.02049E-02	1.69773E-01	-2.18155E-01	9.41623E-02	-4.91727E-02
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 21	SAME AS ABOVE						
22	8.64264E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.74203E-02	0.00000E+00	0.00000E+00	0.00000E+00
23	1.46887E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.62094E-02	0.00000E+00	0.00000E+00	0.00000E+00
24	3.01196E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.36943E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	3.44884E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.44464E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	2.36354E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.18588E-03	0.00000E+00	0.00000E+00	0.00000E+00
27	4.08583E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.68894E-03	0.00000E+00	0.00000E+00	0.00000E+00
28	2.10506E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.65110E-03	0.00000E+00	0.00000E+00	0.00000E+00
29	3.67645E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.00011E-03	0.00000E+00	0.00000E+00	0.00000E+00
30	4.89516E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.21828E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.27064E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.25114E-03	0.00000E+00	0.00000E+00	0.00000E+00
32	7.78025E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.97006E-03	0.00000E+00	0.00000E+00	0.00000E+00
33	4.21789E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.51134E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	2.56924E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.84644E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	1.86363E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.19933E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.57659E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.34485E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	1.42069E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.70422E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	1.37118E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.93872E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	1.29748E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.08549E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	1.18352E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.12290E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	2.99723E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.63164E-04	0.00000E+00	0.00000E+00	0.00000E+00
42	1.68866E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.98692E-04	0.00000E+00	0.00000E+00	0.00000E+00
43	3.54832E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.04676E-04	0.00000E+00	0.00000E+00	0.00000E+00
44	4.70923E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.04238E-04	0.00000E+00	0.00000E+00	0.00000E+00
45	5.36848E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.10051E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	5.94631E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.97960E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	6.37660E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.44844E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	7.15659E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.08565E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	7.49548E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.50819E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	6.55478E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.29201E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	4.66980E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.19630E-04	0.00000E+00	0.00000E+00	0.00000E+00
52	4.03343E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.91257E-04	0.00000E+00	0.00000E+00	0.00000E+00
53	3.50681E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.26790E-04	0.00000E+00	0.00000E+00	0.00000E+00
54	3.08848E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.56820E-04	0.00000E+00	0.00000E+00	0.00000E+00

55	3.04893E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.29946E-04	0.00000E+00	0.00000E+00	0.00000E+00
56	3.04053E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.54926E-04	0.00000E+00	0.00000E+00	0.00000E+00
57	3.03294E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.77963E-04	0.00000E+00	0.00000E+00	0.00000E+00
58	3.00852E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.49434E-04	0.00000E+00	0.00000E+00	0.00000E+00
59	2.97076E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.71100E-04	0.00000E+00	0.00000E+00	0.00000E+00
60	2.75358E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.13276E-03	0.00000E+00	0.00000E+00	0.00000E+00
61	2.29061E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.77897E-03	0.00000E+00	0.00000E+00	0.00000E+00
62	2.19260E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.35354E-03	0.00000E+00	0.00000E+00	0.00000E+00
63	2.63774E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.18091E-03	0.00000E+00	0.00000E+00	0.00000E+00
64	3.08596E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.69362E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	2.22976E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.03487E-03	0.00000E+00	0.00000E+00	0.00000E+00
66	1.43797E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.38736E-03	0.00000E+00	0.00000E+00	0.00000E+00
67	1.16037E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.35475E-03	0.00000E+00	0.00000E+00	0.00000E+00
68	1.16373E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.37510E-03	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
70	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	1.76981E+01	0.00000E+00	0.00000E+00	0.00000E+00	1.48527E+01	0.00000E+00	0.00000E+00	0.00000E+00
4	2.22854E+00	2.62277E+00	3.83300E+00	3.53916E+00	2.06402E+00	2.35250E+00	3.45663E+00	3.14364E+00
5	1.75892E-01	-2.26219E-01	9.76274E-02	-5.08953E-02	1.68422E-01	-2.16278E-01	9.33106E-02	-4.88012E-02
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 21	SAME AS ABOVE						
22	1.77743E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.64356E-02	0.00000E+00	0.00000E+00	0.00000E+00
23	7.69935E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.01126E-02	0.00000E+00	0.00000E+00	0.00000E+00
24	4.45425E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.15868E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	3.06383E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.96709E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	1.99004E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.17038E-03	0.00000E+00	0.00000E+00	0.00000E+00
27	1.27849E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.31414E-03	0.00000E+00	0.00000E+00	0.00000E+00
28	7.87009E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.01834E-03	0.00000E+00	0.00000E+00	0.00000E+00
29	5.16046E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.12784E-03	0.00000E+00	0.00000E+00	0.00000E+00
30	3.62773E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.39476E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	2.69617E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.60175E-03	0.00000E+00	0.00000E+00	0.00000E+00
32	1.48377E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.91838E-03	0.00000E+00	0.00000E+00	0.00000E+00
33	2.14909E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.96937E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	5.73263E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.60269E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	4.87602E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.98868E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	3.81014E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.77293E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	1.31906E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.71696E-04	0.00000E+00	0.00000E+00	0.00000E+00
38	5.47241E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.14977E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	1.47067E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.30314E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	1.50662E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.39904E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	7.84185E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.26831E-04	0.00000E+00	0.00000E+00	0.00000E+00
42	9.32102E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.82799E-04	0.00000E+00	0.00000E+00	0.00000E+00
43	5.04643E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.46592E-04	0.00000E+00	0.00000E+00	0.00000E+00
44	5.21306E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.45303E-04	0.00000E+00	0.00000E+00	0.00000E+00
45	6.18603E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.40573E-04	0.00000E+00	0.00000E+00	0.00000E+00
46	7.25580E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.65211E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	1.21813E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.10647E-04	0.00000E+00	0.00000E+00	0.00000E+00
48	1.82335E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.49679E-04	0.00000E+00	0.00000E+00	0.00000E+00
49	2.27950E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.71778E-04	0.00000E+00	0.00000E+00	0.00000E+00
50	2.42577E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.00709E-04	0.00000E+00	0.00000E+00	0.00000E+00
51	3.19228E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.57764E-07	0.00000E+00	0.00000E+00	0.00000E+00
52	5.22144E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.30453E-07	0.00000E+00	0.00000E+00	0.00000E+00
53	7.14634E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.69562E-07	0.00000E+00	0.00000E+00	0.00000E+00
54	9.27229E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.29030E-07	0.00000E+00	0.00000E+00	0.00000E+00
55	1.23217E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.14144E-07	0.00000E+00	0.00000E+00	0.00000E+00
56	1.33376E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.10316E-07	0.00000E+00	0.00000E+00	0.00000E+00
57	1.42722E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.07049E-07	0.00000E+00	0.00000E+00	0.00000E+00

58	1.71847E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.96676E-07	0.00000E+00	0.00000E+00	0.00000E+00
59	2.20738E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.68020E-07	0.00000E+00	0.00000E+00	0.00000E+00
60	3.94427E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.43545E-07	0.00000E+00	0.00000E+00	0.00000E+00
61	6.36260E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.33861E-06	0.00000E+00	0.00000E+00	0.00000E+00
62	8.00251E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.98362E-04	0.00000E+00	0.00000E+00	0.00000E+00
63	9.63981E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.91115E-04	0.00000E+00	0.00000E+00	0.00000E+00
64	1.04059E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.26757E-03	0.00000E+00	0.00000E+00	0.00000E+00
65	1.08736E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.61985E-03	0.00000E+00	0.00000E+00	0.00000E+00
66	1.10600E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.10097E-03	0.00000E+00	0.00000E+00	0.00000E+00
67	9.68424E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.73806E-03	0.00000E+00	0.00000E+00	0.00000E+00
68	6.50393E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.43368E-03	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
70	THROUGH 70	SAME AS ABOVE						

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	2.42749E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.77224E+01	0.00000E+00	0.00000E+00
4	2.16813E-04	7.83162E-05	1.55080E-04	7.08547E-05	0.00000E+00	7.81614E+00	1.39078E+01	1.81717E+01
5	2.94581E-05	-3.69432E-05	1.58427E-05	-8.50510E-06	0.00000E+00	1.88318E-01	-2.51594E-01	1.10164E-01
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.48720E-07	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.88710E-14	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07640E-13	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07480E-13	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.21390E-15	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.43230E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24510E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.74820E-16	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.44460E-15	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.33450E-13	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.45520E-13	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.18920E-14	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.86550E-15	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.21437E-10	0.00000E+00	0.00000E+00
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.66318E-10	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31935E-10	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.01838E-11	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.82481E-11	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	THROUGH 40	SAME AS ABOVE						
41	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.76103E-10	0.00000E+00	0.00000E+00
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.21853E-08	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.52888E-08	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.59943E-10	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.46410E-09	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.20121E-09	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.13073E-08	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.96814E-08	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.01018E-08	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.58817E-09	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.58612E-09	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.20301E-09	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.81712E-09	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.62813E-09	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.33482E-09	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	4.56741E-09	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.48720E-07	4.77757E-09	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.88710E-14	5.35790E-09	0.00000E+00	0.00000E+00

59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07640E-13	4.64131E-09	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07480E-13	3.41434E-09	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.21390E-15	2.74936E-06	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.43230E-16	9.35950E-05	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.24510E-13	2.57004E-04	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.74820E-16	4.58193E-05	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.44460E-15	3.51332E-05	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.33450E-13	3.62582E-05	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.45520E-13	9.19817E-05	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.18920E-14	1.41902E-04	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.86550E-15	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	1.96510E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	1.80229E+01	1.83416E-01	5.74609E-02	1.19431E-01	4.37483E-02
5	-5.44170E-02	2.55085E-02	-3.18868E-02	1.37192E-02	-7.35257E-03
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 70	SAME AS ABOVE			

0 CROSS SECTIONS FOR GRP. 66

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	1.04152E+02	0.00000E+00	0.00000E+00	0.00000E+00	1.13125E+02	0.00000E+00	0.00000E+00	0.00000E+00
4	3.18507E+00	4.89368E+00	5.43974E+00	4.27576E+00	4.22829E+00	5.87774E+00	7.51453E+00	6.82896E+00
5	7.18039E-04	-9.63514E-04	4.26308E-04	-2.24234E-04	3.75640E-03	-4.90025E-03	2.09927E-03	-1.14986E-03
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 22	SAME AS ABOVE						
23	2.58528E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.64851E-02	0.00000E+00	0.00000E+00	0.00000E+00
24	4.34998E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.14056E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	9.35467E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.11805E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	1.09744E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.83184E-03	0.00000E+00	0.00000E+00	0.00000E+00
27	7.65298E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.83833E-03	0.00000E+00	0.00000E+00	0.00000E+00
28	1.03929E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.17914E-03	0.00000E+00	0.00000E+00	0.00000E+00
29	5.36507E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.20500E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	9.58189E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.23262E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.25294E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.84014E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	3.32896E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.37597E-03	0.00000E+00	0.00000E+00	0.00000E+00
33	2.03205E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.36431E-03	0.00000E+00	0.00000E+00	0.00000E+00
34	1.10356E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.78416E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	6.74557E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.87326E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	4.90107E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.62989E-05	0.00000E+00	0.00000E+00	0.00000E+00
37	4.14492E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.68791E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	3.73846E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.27788E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	3.61051E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.18513E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	3.42158E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.47337E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	3.12491E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.50204E-04	0.00000E+00	0.00000E+00	0.00000E+00
42	2.52778E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.77334E-05	0.00000E+00	0.00000E+00	0.00000E+00
43	1.81036E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.61881E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	1.59722E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.01038E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	1.67563E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.00543E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	2.02130E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.07135E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	2.27310E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.06981E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	2.52590E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.41889E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	2.82911E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.65298E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	8.86898E-04	0.00000E+00	0.00000E+00	0.00000E+00	8.99209E-05	0.00000E+00	0.00000E+00	0.00000E+00
51	1.81180E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.16059E-05	0.00000E+00	0.00000E+00	0.00000E+00
52	2.74960E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.94282E-05	0.00000E+00	0.00000E+00	0.00000E+00

53	2.20628E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.13359E-05	0.00000E+00	0.00000E+00	0.00000E+00
54	1.85167E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.29867E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	1.60058E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.44234E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	1.57242E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.58898E-05	0.00000E+00	0.00000E+00	0.00000E+00
57	1.56629E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.98282E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	1.56079E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.03602E-04	0.00000E+00	0.00000E+00	0.00000E+00
59	1.54342E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.13534E-04	0.00000E+00	0.00000E+00	0.00000E+00
60	1.51724E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.31314E-04	0.00000E+00	0.00000E+00	0.00000E+00
61	1.42970E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.70487E-04	0.00000E+00	0.00000E+00	0.00000E+00
62	1.23915E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.65111E-04	0.00000E+00	0.00000E+00	0.00000E+00
63	1.14701E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.12070E-04	0.00000E+00	0.00000E+00	0.00000E+00
64	1.20997E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.50583E-04	0.00000E+00	0.00000E+00	0.00000E+00
65	1.26060E-03	0.00000E+00	0.00000E+00	0.00000E+00	8.28788E-04	0.00000E+00	0.00000E+00	0.00000E+00
66	9.73095E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.47818E-04	0.00000E+00	0.00000E+00	0.00000E+00
67	6.88424E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.08218E-03	0.00000E+00	0.00000E+00	0.00000E+00
68	5.21531E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.13664E-03	0.00000E+00	0.00000E+00	0.00000E+00
69	4.63303E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.30281E-04	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	1.26248E+02	0.00000E+00	0.00000E+00	0.00000E+00	1.06629E+02	0.00000E+00	0.00000E+00	0.00000E+00
4	4.52676E+00	6.37652E+00	8.18826E+00	7.46574E+00	4.15524E+00	5.73752E+00	7.36211E+00	6.72896E+00
5	3.87298E-03	-5.06032E-03	2.17076E-03	-1.18810E-03	3.73522E-03	-4.86995E-03	2.08491E-03	-1.14295E-03
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 22	SAME AS ABOVE						
23	7.67109E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.22292E-02	0.00000E+00	0.00000E+00	0.00000E+00
24	3.32276E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.62809E-03	0.00000E+00	0.00000E+00	0.00000E+00
25	1.91748E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.54160E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	1.31860E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.80997E-03	0.00000E+00	0.00000E+00	0.00000E+00
27	8.55990E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.47205E-03	0.00000E+00	0.00000E+00	0.00000E+00
28	5.49079E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.58355E-03	0.00000E+00	0.00000E+00	0.00000E+00
29	3.36155E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.62663E-04	0.00000E+00	0.00000E+00	0.00000E+00
30	2.10724E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.33592E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.38680E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.36846E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	7.02987E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.43860E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	6.59981E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.90572E-03	0.00000E+00	0.00000E+00	0.00000E+00
34	6.12017E-05	0.00000E+00	0.00000E+00	0.00000E+00	6.39551E-05	0.00000E+00	0.00000E+00	0.00000E+00
35	1.63792E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.12150E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	1.37331E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.61948E-06	0.00000E+00	0.00000E+00	0.00000E+00
37	1.17793E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.47561E-05	0.00000E+00	0.00000E+00	0.00000E+00
38	6.04420E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.82755E-04	0.00000E+00	0.00000E+00	0.00000E+00
39	2.17185E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.42059E-05	0.00000E+00	0.00000E+00	0.00000E+00
40	6.85661E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.12278E-04	0.00000E+00	0.00000E+00	0.00000E+00
41	7.00915E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.17498E-04	0.00000E+00	0.00000E+00	0.00000E+00
42	3.64075E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.11801E-04	0.00000E+00	0.00000E+00	0.00000E+00
43	4.43288E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.40060E-04	0.00000E+00	0.00000E+00	0.00000E+00
44	2.34828E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.23513E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	2.39426E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.21353E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	2.59641E-05	0.00000E+00	0.00000E+00	0.00000E+00	6.98360E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	2.52086E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.78605E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	3.83552E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.49871E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	5.67270E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.45463E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	6.79926E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.56275E-05	0.00000E+00	0.00000E+00	0.00000E+00
51	6.42821E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.03800E-05	0.00000E+00	0.00000E+00	0.00000E+00
52	7.71285E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.24184E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	1.22614E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.81788E-05	0.00000E+00	0.00000E+00	0.00000E+00
54	1.48791E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.73480E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	1.77730E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.75975E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	2.24924E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.87955E-05	0.00000E+00	0.00000E+00	0.00000E+00

57	2.40644E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.91940E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	2.55567E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.95486E-05	0.00000E+00	0.00000E+00	0.00000E+00
59	2.97503E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.97998E-05	0.00000E+00	0.00000E+00	0.00000E+00
60	3.73248E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.89613E-05	0.00000E+00	0.00000E+00	0.00000E+00
61	5.40210E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.35919E-05	0.00000E+00	0.00000E+00	0.00000E+00
62	9.18562E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.48563E-05	0.00000E+00	0.00000E+00	0.00000E+00
63	1.31516E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.92157E-05	0.00000E+00	0.00000E+00	0.00000E+00
64	1.73747E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.02547E-04	0.00000E+00	0.00000E+00	0.00000E+00
65	1.99717E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.24234E-04	0.00000E+00	0.00000E+00	0.00000E+00
66	2.16424E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.14654E-04	0.00000E+00	0.00000E+00	0.00000E+00
67	2.29263E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.36429E-04	0.00000E+00	0.00000E+00	0.00000E+00
68	2.14422E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.89663E-04	0.00000E+00	0.00000E+00	0.00000E+00
69	1.55654E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.07822E-04	0.00000E+00	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	5.23607E-04	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.55750E+02	0.00000E+00	0.00000E+00
4	2.57863E-04	1.41531E-04	2.47738E-04	1.74017E-04	0.00000E+00	2.18308E+01	3.45987E+01	3.92374E+01
5	7.00200E-07	-8.81813E-07	3.70538E-07	-2.11000E-07	0.00000E+00	3.66376E-03	-5.02468E-03	2.26705E-03
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.27240E-07	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55560E-13	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.31570E-13	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.31030E-13	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.34210E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.72040E-16	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.47230E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.58320E-16	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.42920E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.32580E-13	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.61390E-13	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.82110E-13	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20470E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	THROUGH 22	SAME AS ABOVE						
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.07144E-10	0.00000E+00	0.00000E+00
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.98900E-11	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.27740E-11	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.55896E-11	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	THROUGH 41	SAME AS ABOVE						
42	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.69576E-10	0.00000E+00	0.00000E+00
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.11904E-09	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.54464E-09	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.95572E-11	0.00000E+00	0.00000E+00
46	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.41014E-09	0.00000E+00	0.00000E+00
47	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.33547E-10	0.00000E+00	0.00000E+00
48	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.88457E-09	0.00000E+00	0.00000E+00
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	3.28026E-09	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.68365E-09	0.00000E+00	0.00000E+00
51	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.09801E-09	0.00000E+00	0.00000E+00
52	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.64352E-10	0.00000E+00	0.00000E+00
53	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.67168E-10	0.00000E+00	0.00000E+00
54	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.69509E-10	0.00000E+00	0.00000E+00
55	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.04677E-10	0.00000E+00	0.00000E+00
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	7.22492E-10	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.27240E-07	7.61224E-10	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.55560E-13	7.96262E-10	0.00000E+00	0.00000E+00

59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.31570E-13	8.92961E-10	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.31030E-13	7.73531E-10	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.34210E-14	5.59379E-10	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.72040E-16	9.16056E-07	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.47230E-13	3.11979E-05	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.58320E-16	8.56670E-05	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.42920E-14	1.52733E-05	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.32580E-13	1.17105E-05	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.61390E-13	1.20863E-05	0.00000E+00	0.00000E+00
68	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.82110E-13	3.06611E-05	0.00000E+00	0.00000E+00
69	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20470E-14	4.73006E-05	0.00000E+00	0.00000E+00
70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 25	MAT. 26	MAT. 27	MAT. 28	MAT. 29
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE			
3	0.00000E+00	3.44650E-01	0.00000E+00	0.00000E+00	0.00000E+00
4	3.09887E+01	2.08151E-01	9.19525E-02	1.69378E-01	9.66659E-02
5	-1.15030E-03	6.10616E-04	-7.60119E-04	3.17950E-04	-1.84457E-04
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 70	SAME AS ABOVE			

0 CROSS SECTIONS FOR GRP. 67

0 POS.	MAT. 1	MAT. 2	MAT. 3	MAT. 4	MAT. 5	MAT. 6	MAT. 7	MAT. 8
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	1.37713E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.32525E+02	0.00000E+00	0.00000E+00	0.00000E+00
4	3.78356E+00	4.22247E+00	4.57361E+00	2.92233E+00	7.20460E+00	9.36891E+00	1.15781E+01	8.96695E+00
5	1.03452E-02	-1.41000E-02	6.27490E-03	-3.20220E-03	5.64789E-02	-7.52853E-02	3.25148E-02	-1.74572E-02
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 23	SAME AS ABOVE						
24	2.51792E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.42682E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	4.11537E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.17979E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	9.23668E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.55349E-03	0.00000E+00	0.00000E+00	0.00000E+00
27	1.08887E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.44285E-03	0.00000E+00	0.00000E+00	0.00000E+00
28	7.78276E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.58463E-03	0.00000E+00	0.00000E+00	0.00000E+00
29	1.49567E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.01445E-03	0.00000E+00	0.00000E+00	0.00000E+00
30	7.65403E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.16171E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.29800E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.55267E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	1.77563E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.10289E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	4.49708E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.27392E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	2.76755E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.24437E-03	0.00000E+00	0.00000E+00	0.00000E+00
35	1.49909E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.04774E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	9.11170E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.50608E-06	0.00000E+00	0.00000E+00	0.00000E+00
37	6.60506E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.04801E-06	0.00000E+00	0.00000E+00	0.00000E+00
38	5.59425E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.54242E-06	0.00000E+00	0.00000E+00	0.00000E+00
39	5.03999E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.20740E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	4.86047E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.43805E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	4.59440E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.40782E-04	0.00000E+00	0.00000E+00	0.00000E+00
42	4.18467E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.44633E-04	0.00000E+00	0.00000E+00	0.00000E+00
43	3.35682E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.40683E-05	0.00000E+00	0.00000E+00	0.00000E+00
44	2.32901E-05	0.00000E+00	0.00000E+00	0.00000E+00	9.31430E-05	0.00000E+00	0.00000E+00	0.00000E+00
45	1.93049E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.79622E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	1.97633E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.86265E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	2.26334E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.87024E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	2.45133E-05	0.00000E+00	0.00000E+00	0.00000E+00	3.72667E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	2.66846E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.80995E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	2.76298E-04	0.00000E+00	0.00000E+00	0.00000E+00	6.72562E-05	0.00000E+00	0.00000E+00	0.00000E+00
51	8.60908E-04	0.00000E+00	0.00000E+00	0.00000E+00	7.84331E-05	0.00000E+00	0.00000E+00	0.00000E+00
52	1.75572E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.83180E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	2.65042E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.23640E-05	0.00000E+00	0.00000E+00	0.00000E+00

54	2.10263E-03	0.00000E+00	0.00000E+00	0.00000E+00	7.13940E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	1.75877E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.80191E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	1.51776E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.21187E-05	0.00000E+00	0.00000E+00	0.00000E+00
57	1.48915E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.13435E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	1.48271E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.11865E-05	0.00000E+00	0.00000E+00	0.00000E+00
59	1.47696E-03	0.00000E+00	0.00000E+00	0.00000E+00	6.10503E-05	0.00000E+00	0.00000E+00	0.00000E+00
60	1.45884E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.93907E-05	0.00000E+00	0.00000E+00	0.00000E+00
61	1.43164E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.52424E-05	0.00000E+00	0.00000E+00	0.00000E+00
62	1.35522E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.34616E-05	0.00000E+00	0.00000E+00	0.00000E+00
63	1.18987E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.37556E-05	0.00000E+00	0.00000E+00	0.00000E+00
64	1.09594E-03	0.00000E+00	0.00000E+00	0.00000E+00	4.64694E-05	0.00000E+00	0.00000E+00	0.00000E+00
65	1.12585E-03	0.00000E+00	0.00000E+00	0.00000E+00	1.40425E-04	0.00000E+00	0.00000E+00	0.00000E+00
66	1.13567E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.32969E-04	0.00000E+00	0.00000E+00	0.00000E+00
67	9.05692E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.92092E-04	0.00000E+00	0.00000E+00	0.00000E+00
68	6.69972E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.72561E-04	0.00000E+00	0.00000E+00	0.00000E+00
69	5.10848E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.43454E-04	0.00000E+00	0.00000E+00	0.00000E+00
70	4.50047E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.33133E-04	0.00000E+00	0.00000E+00	0.00000E+00
0 POS.	MAT. 9	MAT. 10	MAT. 11	MAT. 12	MAT. 13	MAT. 14	MAT. 15	MAT. 16
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	4.76534E+02	0.00000E+00	0.00000E+00	0.00000E+00	4.37913E+02	0.00000E+00	0.00000E+00	0.00000E+00
4	7.68502E+00	1.01449E+01	1.24372E+01	9.58527E+00	7.12741E+00	9.29430E+00	1.15346E+01	8.94735E+00
5	5.82497E-02	-7.77841E-02	3.35900E-02	-1.79716E-02	5.61394E-02	-7.48062E-02	3.22854E-02	-1.73581E-02
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	THROUGH 23	SAME AS ABOVE						
24	6.52898E-03	0.00000E+00	0.00000E+00	0.00000E+00	2.12402E-02	0.00000E+00	0.00000E+00	0.00000E+00
25	2.82778E-03	0.00000E+00	0.00000E+00	0.00000E+00	9.19948E-03	0.00000E+00	0.00000E+00	0.00000E+00
26	1.62663E-03	0.00000E+00	0.00000E+00	0.00000E+00	5.28974E-03	0.00000E+00	0.00000E+00	0.00000E+00
27	1.11819E-03	0.00000E+00	0.00000E+00	0.00000E+00	3.63643E-03	0.00000E+00	0.00000E+00	0.00000E+00
28	7.25289E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.35887E-03	0.00000E+00	0.00000E+00	0.00000E+00
29	4.64234E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.51008E-03	0.00000E+00	0.00000E+00	0.00000E+00
30	2.82407E-04	0.00000E+00	0.00000E+00	0.00000E+00	9.16120E-04	0.00000E+00	0.00000E+00	0.00000E+00
31	1.75694E-04	0.00000E+00	0.00000E+00	0.00000E+00	5.03258E-04	0.00000E+00	0.00000E+00	0.00000E+00
32	1.00699E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.03956E-04	0.00000E+00	0.00000E+00	0.00000E+00
33	5.97451E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.86845E-04	0.00000E+00	0.00000E+00	0.00000E+00
34	5.98188E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.85221E-03	0.00000E+00	0.00000E+00	0.00000E+00
35	2.13454E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.94416E-05	0.00000E+00	0.00000E+00	0.00000E+00
36	8.53478E-06	0.00000E+00	0.00000E+00	0.00000E+00	4.42219E-06	0.00000E+00	0.00000E+00	0.00000E+00
37	6.33392E-06	0.00000E+00	0.00000E+00	0.00000E+00	2.29740E-06	0.00000E+00	0.00000E+00	0.00000E+00
38	6.87681E-06	0.00000E+00	0.00000E+00	0.00000E+00	1.06481E-05	0.00000E+00	0.00000E+00	0.00000E+00
39	5.67276E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.79662E-04	0.00000E+00	0.00000E+00	0.00000E+00
40	1.77904E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.09222E-05	0.00000E+00	0.00000E+00	0.00000E+00
41	6.51169E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.09398E-04	0.00000E+00	0.00000E+00	0.00000E+00
42	6.71629E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.15049E-04	0.00000E+00	0.00000E+00	0.00000E+00
43	3.44848E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.10188E-04	0.00000E+00	0.00000E+00	0.00000E+00
44	4.27357E-05	0.00000E+00	0.00000E+00	0.00000E+00	1.38717E-04	0.00000E+00	0.00000E+00	0.00000E+00
45	2.23595E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.14082E-05	0.00000E+00	0.00000E+00	0.00000E+00
46	2.30126E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.16186E-05	0.00000E+00	0.00000E+00	0.00000E+00
47	2.42043E-05	0.00000E+00	0.00000E+00	0.00000E+00	6.93865E-05	0.00000E+00	0.00000E+00	0.00000E+00
48	2.16112E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.74614E-05	0.00000E+00	0.00000E+00	0.00000E+00
49	3.13243E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.46519E-05	0.00000E+00	0.00000E+00	0.00000E+00
50	4.47379E-05	0.00000E+00	0.00000E+00	0.00000E+00	7.42525E-05	0.00000E+00	0.00000E+00	0.00000E+00
51	5.24717E-05	0.00000E+00	0.00000E+00	0.00000E+00	8.53703E-05	0.00000E+00	0.00000E+00	0.00000E+00
52	4.60845E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.04066E-05	0.00000E+00	0.00000E+00	0.00000E+00
53	5.70680E-05	0.00000E+00	0.00000E+00	0.00000E+00	6.44580E-05	0.00000E+00	0.00000E+00	0.00000E+00
54	6.83555E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.60417E-05	0.00000E+00	0.00000E+00	0.00000E+00
55	7.20030E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.44122E-05	0.00000E+00	0.00000E+00	0.00000E+00
56	6.50911E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.49307E-05	0.00000E+00	0.00000E+00	0.00000E+00
57	6.22288E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.73342E-05	0.00000E+00	0.00000E+00	0.00000E+00
58	6.13644E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.81331E-05	0.00000E+00	0.00000E+00	0.00000E+00

59	6.05820E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.88447E-05	0.00000E+00	0.00000E+00	0.00000E+00
60	5.74299E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.93515E-05	0.00000E+00	0.00000E+00	0.00000E+00
61	5.17281E-05	0.00000E+00	0.00000E+00	0.00000E+00	5.76897E-05	0.00000E+00	0.00000E+00	0.00000E+00
62	4.07603E-05	0.00000E+00	0.00000E+00	0.00000E+00	4.69667E-05	0.00000E+00	0.00000E+00	0.00000E+00
63	2.39994E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.60985E-05	0.00000E+00	0.00000E+00	0.00000E+00
64	5.18516E-05	0.00000E+00	0.00000E+00	0.00000E+00	2.17727E-05	0.00000E+00	0.00000E+00	0.00000E+00
65	1.69087E-04	0.00000E+00	0.00000E+00	0.00000E+00	1.96010E-05	0.00000E+00	0.00000E+00	0.00000E+00
66	2.79608E-04	0.00000E+00	0.00000E+00	0.00000E+00	2.72417E-05	0.00000E+00	0.00000E+00	0.00000E+00
67	3.48859E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.25535E-05	0.00000E+00	0.00000E+00	0.00000E+00
68	4.49659E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.59696E-05	0.00000E+00	0.00000E+00	0.00000E+00
69	5.44528E-04	0.00000E+00	0.00000E+00	0.00000E+00	3.58898E-05	0.00000E+00	0.00000E+00	0.00000E+00
70	5.20803E-04	0.00000E+00	0.00000E+00	0.00000E+00	4.44065E-05	0.00000E+00	0.00000E+00	0.00000E+00

0 POS.	MAT. 17	MAT. 18	MAT. 19	MAT. 20	MAT. 21	MAT. 22	MAT. 23	MAT. 24
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	THROUGH 2	SAME AS ABOVE						
3	1.67659E-03	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28725E+03	0.00000E+00	0.00000E+00
4	3.30598E-04	2.27311E-04	3.99037E-04	3.00580E-04	0.00000E+00	2.76232E+01	3.40972E+01	3.59118E+01
5	1.11521E-05	-1.42688E-05	6.09621E-06	-3.40335E-06	0.00000E+00	5.07252E-02	-7.05138E-02	3.19445E-02
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.14820E-06	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.27450E-13	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.16070E-12	0.00000E+00	0.00000E+00	0.00000E+00
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.16100E-12	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.15390E-14	0.00000E+00	0.00000E+00	0.00000E+00
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.60400E-15	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.33720E-13	0.00000E+00	0.00000E+00	0.00000E+00
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.52450E-15	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.59890E-14	0.00000E+00	0.00000E+00	0.00000E+00
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.43630E-12	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31920E-12	0.00000E+00	0.00000E+00	0.00000E+00
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.68980E-13	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.99540E-14	0.00000E+00	0.00000E+00	0.00000E+00
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	THROUGH 23	SAME AS ABOVE						
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.07144E-10	0.00000E+00	0.00000E+00
25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.98900E-11	0.00000E+00	0.00000E+00
26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.27740E-11	0.00000E+00	0.00000E+00
27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.55896E-11	0.00000E+00	0.00000E+00
28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
29	THROUGH 42	SAME AS ABOVE						
43	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.64659E-11	0.00000E+00	0.00000E+00
44	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.85072E-10	0.00000E+00	0.00000E+00
45	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	THROUGH 48	SAME AS ABOVE						
49	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	THROUGH 55	SAME AS ABOVE						
56	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
57	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.14820E-06	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.27450E-13	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.16070E-12	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.16100E-12	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.15390E-14	0.00000E+00	0.00000E+00	0.00000E+00
62	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.60400E-15	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.33720E-13	9.15726E-07	0.00000E+00	0.00000E+00
64	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.52450E-15	3.11979E-05	0.00000E+00	0.00000E+00
65	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.59890E-14	8.56670E-05	0.00000E+00	0.00000E+00
66	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.43630E-12	1.52733E-05	0.00000E+00	0.00000E+00
67	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31920E-12	1.17105E-05	0.00000E+00	0.00000E+00

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    68  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.68980E-13  1.20863E-05  0.00000E+00  0.00000E+00
    69  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  3.99540E-14  3.06611E-05  0.00000E+00  0.00000E+00
    70  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  4.73006E-05  0.00000E+00  0.00000E+00
0 POS.    MAT. 25      MAT. 26      MAT. 27      MAT. 28      MAT. 29
     1  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
     2 THROUGH    2 SAME AS ABOVE
     3  0.00000E+00  9.27868E-01  0.00000E+00  0.00000E+00  0.00000E+00
     4  2.39116E+01  2.54386E-01  1.29929E-01  2.51823E-01  1.64229E-01
     5 -1.61209E-02  9.87444E-03 -1.24643E-02  5.26650E-03 -2.98448E-03
     6  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
     7 THROUGH   70 SAME AS ABOVE
STOP 101
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       85000
ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
/        1         2         3         4         5         6         7
/234567890123456789012345678901234567890123456789012345678901234567890123456789012
15$$
/  *** 1 ***
/  ID = Problem ID Number, a 1 has no effect
        1
/  ITH = Forward calculation
        0
/  ISCT = Max order of scatter
        3
/  ISN = Order of angular quadrature
        8
/
/  *** 5 ***
/  IGE = Geometry paramter -> cylinder
        2
/  IBL = Left boundary condition -> reflection
        1
/  IBR = Right boundary condition -> albedo via 25* with default=1.0
        0
/  IZM = Number of zones or regions in problem geometry
        6
/   IM = Number of mesh intervals in problem
        258
/
/  *** 10 ***
/  IEVT = Type of calc to be performed -> dist.fixed source
        0
/   IGM = Number of energy groups
        67
/   IHT = Position of Sigma Total
        3
/   IHS = Position of Sigma Scat.
        4
/   IHM = Length of xsect table
        70
/
/  *** 15 ***
/    MS = Cross section mixing table length
        0
/   MCR = Number of xsects to be read from cards
        0
/   MTP = Number of xsects to be read from xsects.bin
        29
/    MT = Total number of materials (MCR+MTP+mixtures in xsect table)
        29
/  IDMF = Density factors input options -> nodensity factors applied
        0
/
/  *** 20 ***
/  IPVT = Parametric eigenvalue input option -> no effect
        0
/   IQM = Fixed distributed source option - via 17* array
        1
/   IPM = Shell source input option -> no effect
        0
/   IPP = Interval number which will contain the shell source f IPM=1
/       or -1    -> no effect
        0
/   IIM = Maximum number of inner iterations by group
        150
/
/  *** 25 ***
/   ID1 = Print and punch option -> no effect
        0
/   ID2 = Cross section input option -> used gip file
        1
/   ID3 = Activity calc option -> compute N activities by zone
```

```
          -3
/    ID4 = Actvity calc by interval option - compute activities by int
          1
/    ICM = Outer iteration maximum
          1
/
/  *** 30 ***
/  IDAT1 = Storage allocation option -> fluxes and current on tape
          2
/  IDAT2 = Diffusion theory solution option
          0
/    IFG = Cross section flux weighting option -> no effect
          0
/  IFLU = Flux solution option -> WTD diamond diff +
          4
/    IFN = Fission or flux guess input option - >flux guess via 3*
          1
/
/  *** 35 ***
/  IPRT = Cross section print option ->P0 xsects by zone
          2
/  IXTR =  P(L) scatt.coeff. calc option -> calc P(L) consts
          0
/-------------------------------------------------------------
/
16**
/    EV = Eigenvalue guess -> fixed source
         0.0
/  EVM = Eigenvalue modifier -> fixed source
         0.0
/  EPS = Convergence criteria for eigenvalue and upscatter convg.
         1.0-4
/    BF = Transvers leakage parameter -> usual value
         1.42089
/    DY = Cylinder or plane height for buckling correction
         0.0
/    DZ = Plane depth for buckling correction
         0.0
/  DFM1 = Transverse dimension for void streaming correction
         0.0
/    XNF = Normalization factor -> normalization
         0.0
/     PV = Parametric eigenvalue for time absorption or seacrh calcs
         0.0
/    RYF = Lambda relaxation factor - suggested value
         0.5
/  XLAL = Point wise flux convergence criterion -> use EPS value
         2.0-4
/  XLAH = Convergence parameter for search calcs
         0.0
/    EQL = Eigenvalue change epsilon for search calcs
         0.0
/  XNPM = New paramter modifier for search calcs
         0.0
 T
/-------------------------------------------------------------------
/        1         2         3         4         5         6         7
/234567890123456789012345678901234567890123456789012345678901234567890123456789012
/-------------------------------------------------------------------
17**
/Neutron Distributed Source (#/s-cc) - Fission and (Alpha, n)
 34R0.0000E+00 224R0.0 34R5.7527E-01 224R0.0 34R4.9876E+00 224R0.0
 34R7.6995E+00 224R0.0 34R2.4442E+01 224R0.0 34R1.4789E+02 224R0.0
 34R3.0577E+02 224R0.0 34R3.5797E+02 224R0.0 34R1.8548E+02 224R0.0
 34R2.5409E+02 224R0.0 34R2.3672E+02 224R0.0 34R9.1932E+01 224R0.0
 34R1.7893E+01 224R0.0 34R1.0444E+02 224R0.0 34R2.8374E+02 224R0.0
 34R3.2459E+02 224R0.0 34R4.0934E+02 224R0.0 34R5.6566E+02 224R0.0
 34R3.0484E+02 224R0.0 34R1.3757E+02 224R0.0 34R2.3713E+02 224R0.0
 34R1.9414E+02 224R0.0 34R1.9028E+02 224R0.0 34R4.1153E+01 224R0.0
 34R6.5533E+01 224R0.0 34R4.1411E+01 224R0.0 34R6.3723E+00 224R0.0
```

```
 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0
 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0
 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0
 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0
 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0
 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0 34R0.0000E+00 224R0.0
/Start Gamma Source (#/s-cc)
 34R0.0000E+00 224R0.0 34R1.6749E+00 224R0.0 34R5.2588E+00 224R0.0
 34R1.6034E+01 224R0.0 34R2.6810E+01 224R0.0 34R1.0020E+02 224R0.0
 34R2.3473E+03 224R0.0 34R2.2017E+05 224R0.0 34R5.2373E+07 224R0.0
 34R7.1618E+08 224R0.0 34R4.6805E+08 224R0.0 34R3.4931E+09 224R0.0
 34R3.4931E+09 224R0.0 34R6.7101E+08 224R0.0 34R2.4398E+08 224R0.0
 34R6.6924E+08 224R0.0 34R6.6272E+08 224R0.0 34R1.6245E+09 224R0.0
 34R7.2939E+08 224R0.0 34R7.2939E+08 224R0.0
 T
/---------------------------------------------------------------------
/  Flux Guess
3**
     F1.0
 T
/---------------------------------------------------------------------
/        1         2         3         4         5         6         7
/234567890123456789012345678901234567890123456789012345678901234567890123456789012
/---------------------------------------------------------------------
/
/  Fission Spectrum Data -> 0 for fixed source
1**
   F0.0
/
/  IM Mesh Intervals
4**
/  FUEL
0.0 .5 29I1.5 72.04   73.54   3I74.04
/
/  MPC wall
   2I76.58
/
/  GAP
   3I78.08
/
/ INNER BARRIER
   80.08
/
/  OUTER BARRIER
   8I80.58   89.58   90.08
/
/  AIR
   90.58   91.58   93.58  7I97.58   9I140.08   19I190.08
   159I290.08   109.08
/  Velocities by group
5**
   F1.0
/
/  Angular Quadrature Weights
6**
   0.0   .0604938   2R.0453704   .0604938 N5
    .0453704   .0462962   .0453704   N3
   0.0   4R.0453704   0.0   2R.0604938
/
/  Angular Quadrature Cosines
7**
   -.9759   -.9511897   -.7867958   -.5773503   -.2182179
   M4       -.8164965   -.7867958   -.5773503   -.2182179
   M3       -.6172134   -.5773503   -.2182179   M2
   -.3086067 -.2182179 .2182179
/
/  Zone Numbers by Mesh Intervals
8$$
/  FUEL
```

"Version 4.4HP of
ANISNBW has not received the verification analysis required
for certification."

Execution on the following machine produced this output:
HP-9000/Series 730 (BWFC) HP-UX hpw1.ymp.gov E 9000/730 2015518337

ANISNBW V4.4HP CREATED ON 04/23/92 AT 11:31:17 USED ON 10/02/96 AT 17:41:45

1

CARD IMAGE INPUT LISTING

```
CARD                                                
```

```
                                /   IHM = Length of xsect table
                                      70
                                /
                                /  *** 15 ***
                                /    MS = Cross section mixing table length
                                      0
                                /   MCR = Number of xsects to be read from cards
                                      0
                                /   MTP = Number of xsects to be read from xsects.bin
                                     29

 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                          12345678901234567890123456789012345678901234567890123456789012345678901234567890
                                                          C O L U M N    N U M B E R
1
      CARD IMAGE INPUT LISTING                            C O L U M N    N U M B E R
 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                          12345678901234567890123456789012345678901234567890123456789012345678901234567890

                                /    MT = Total number of materials (MCR+MTP+mixtures in xsect table)
                                     29
                                /  IDMF = Density factors input options -> nodensity factors applied
                                      0
                                /
                                /  *** 20 ***
                                /  IPVT = Parametric eigenvalue input option -> no effect
                                      0
                                /   IQM = Fixed distributed source option - via 17* array
                                      1
                                /   IPM = Shell source input option -> no effect
                                      0
                                /   IPP = Interval number which will contain the shell source f IPM=1
                                /         or -1    -> no effect
                                      0
                                /   IIM = Maximum number of inner iterations by group
                                      150
                                /
                                /  *** 25 ***
                                /   ID1 = Print and punch option -> no effect
                                      0
                                /   ID2 = Cross section input option -> used gip file
                                      1
                                /   ID3 = Activity calc option -> compute N activities by zone
                                     -3
                                /   ID4 = Actvity calc by interval option - compute activities by int
                                      1
                                /   ICM = Outer iteration maximum
                                      1
                                /
                                /  *** 30 ***
                                /  IDAT1 = Storage allocation option -> fluxes and current on tape
                                      2
                                /  IDAT2 = Diffusion theory solution option
                                      0
                                /   IFG = Cross section flux weighting option -> no effect
                                      0
                                /  IFLU = Flux solution option -> WTD diamond diff +
                                      4
                                /   IFN = Fission or flux guess input option - >flux guess  via 3*
                                      1
```

```
                                /
                                /  *** 35 ***
                                /  IPRT = Cross section print option ->P0 xsects by zone
                                          2
                                /  IXTR =  P(L) scatt.coeff. calc option -> calc P(L) consts
 CARD
NUMBER                                    1111111111222222222233333333334444444444555555555566666666667777777778
                                1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
1                                                                    C O L U M N    N U M B E R
      CARD IMAGE INPUT LISTING
 CARD                                                                C O L U M N    N U M B E R
NUMBER                                    1111111111222222222233333333334444444444555555555566666666667777777778
                                1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
                                          0
                                /-------------------------------------------------------------
                                /
                                16**
                                /    EV = Eigenvalue guess -> fixed source
                                          0.0
                                /  EVM = Eigenvalue modifier -> fixed source
                                          0.0
                                /  EPS = Convergence criteria for eigenvalue and upscatter convg.
                                          1.0-4
                                /    BF = Transvers leakage parameter -> usual value
                                          1.42089
                                /    DY = Cylinder or plane height for buckling correction
                                          0.0
                                /    DZ = Plane depth for buckling correction
                                          0.0
                                /  DFM1 = Transverse dimension for void streaming correction
                                          0.0
                                /   XNF = Normalization factor -> normalization
                                          0.0
                                /    PV = Parametric eigenvalue for time absorption or seacrh calcs
                                          0.0
                                /   RYF = Lambda relaxation factor - suggested value
                                          0.5
                                /  XLAL = Point wise flux convergence criterion -> use EPS value
                                          2.0-4
                                /  XLAH = Convergence parameter for search calcs
                                          0.0
                                /   EQL = Eigenvalue change epsilon for search calcs
                                          0.0
                                /  XNPM = New paramter modifier for search calcs
                                          0.0
                                 T
                                /-------------------------------------------------------------------
                                /        1         2         3         4         5         6         7
                                /234567890123456789012345678901234567890123456789012345678901234567890123456789012
                                /-------------------------------------------------------------------------------
                                17**
                                /Neutron Distributed Source (#/s-cc) - Fission and (Alpha, n)
                                 34R0.0000E+00 224R0.0 34R5.7527E-01 224R0.0 34R4.9876E+00 224R0.0
                                 34R7.6995E+00 224R0.0 34R2.4442E+01 224R0.0 34R1.4789E+02 224R0.0
                                 34R3.0577E+02 224R0.0 34R3.5797E+02 224R0.0 34R1.8548E+02 224R0.0
                                 34R2.5409E+02 224R0.0 34R2.3672E+02 224R0.0 34R9.1932E+01 224R0.0
                                 34R1.7893E+01 224R0.0 34R1.0444E+02 224R0.0 34R2.8374E+02 224R0.0
                                 34R3.2459E+02 224R0.0 34R4.0934E+02 224R0.0 34R5.6566E+02 224R0.0
                                 34R3.0484E+02 224R0.0 34R1.3757E+02 224R0.0 34R2.3713E+02 224R0.0
```

```
 CARD                                                
```

```
     CARD IMAGE INPUT LISTING                                  C O L U M N    N U M B E R
 CARD                          1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

 185                          /  OUTER BARRIER
 186                             8I80.58   89.58   90.08
 187                          /
 188                          /  AIR
 189                             90.58   91.58   93.58  7I97.58   9I140.08   19I190.08
 190                             159I290.08   1090.08
 191                          /  Velocities by group
 192                          5**
 193                             F1.0
 194                          /
 195                          /  Angular Quadrature Weights
 196                          6**
 197                             0.0   .0604938   2R.0453704   .0604938 N5
 198                              .0453704   .0462962   .0453704   N3
 199                             0.0   4R.0453704   0.0   2R.0604938
 200                          /
 201                          /  Angular Quadrature Cosines
 202                          7**
 203                             -.9759   -.9511897   -.7867958   -.5773503   -.2182179
 204                             M4       -.8164965   -.7867958   -.5773503   -.2182179
 205                             M3       -.6172134   -.5773503   -.2182179   M2
 206                             -.3086067 -.2182179 .2182179
 207                          /
 208                          /  Zone Numbers by Mesh Intervals
 209                          8$$
 210                          /  FUEL
 211                            34R1
 212                          /
 213                          / MPC wall
 214                             4R2
 215                          /
 216                          /  gap
 217                             3R3
 218                          /
 219                          /  INNER BARRIER
 220                             4R4
 221                          /
 222                          /  OUTER BARRIER
 223                             11R5
 224                          /
 225                          /  AIR
 226                             202R6
 227                          /  Material Numbers by Zone - negative indicates no buckling
 228                          /                             correction made
 229                          9$$
 230                          /  FUEL

 CARD                                1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
                                                          C O L U M N    N U M B E R
1
     CARD IMAGE INPUT LISTING                                  C O L U M N    N U M B E R
 CARD                          1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

 231                             -1
```

```
          232                       /
          233                       /  MPC WALL
          234                          -5
          235                       /
          236                       /  GAP
          237                          -17
          238                       /
          239                       /  INNER BARRIER
          240                          -9
          241                       /
          242                       /  OUTER BARRIER
          243                          -13
          244                       /
          245                       /  AIR
          246                          -17
          247                       /
          248                       /  Order of Scatter by Zone
          249                       19$$
          250                          F3
          251                       /
          252                       /  Material Numbers for Activities
          253                       22$$
          254                          3R-21
          255                       /  Cross Section Table Position for Activities
          256                       23$$
          257                          57 8 7
          258                       T
          259                       29H
          260                       ACT 1   GAMMA DOSE RATE  (REM/HR)
          261                       ACT 2   NEUTRON DOSE RATE (REM/HR)
          262                       ACT 3   TOTAL DOSE RATE  (REM/HR)
          263                       T

           CARD                                  1111111111222222222233333333334444444444555555555566666666667777777777
          NUMBER                    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678
                                                                 C O L U M N    N U M B E R


         ********************************** E N D    O F    I N P U T    L I S T I N G **********************************
 LIM1=   85000
0                                THIS PROBLEM REQUIRED        .00 SECONDS
1ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0                              THE TIME ESTIMATE FOR THIS PROBLEM IS       .00 SECONDS
        1         2         3         4         5         6         7
  34567890123456789012345678901234567890123456789012345678901234567890123456789012
   *** 1 ***
   ID = Problem ID Number, a 1 has no effect
   ITH = Forward calculation
   ISCT = Max order of scatter
   ISN = Order of angular quadrature

   *** 5 ***
   IGE = Geometry paramter -> cylinder
   IBL = Left boundary condition -> reflection
   IBR = Right boundary condition -> albedo via 25* with default=1.0
   IZM = Number of zones or regions in problem geometry
    IM = Number of mesh intervals in problem
```

```
    *** 10 ***
    IEVT = Type of calc to be performed -> dist.fixed source
     IGM = Number of energy groups
     IHT = Position of Sigma Total
     IHS = Position of Sigma Scat.
     IHM = Length of xsect table

    *** 15 ***
      MS = Cross section mixing table length
     MCR = Number of xsects to be read from cards
     MTP = Number of xsects to be read from xsects.bin
      MT = Total number of materials (MCR+MTP+mixtures in xsect table)
    IDMF = Density factors input options -> nodensity factors applied

    *** 20 ***
    IPVT = Parametric eigenvalue input option -> no effect
     IQM = Fixed distributed source option - via 17* array
     IPM = Shell source input option -> no effect
     IPP = Interval number which will contain the shell source f IPM=1
           or -1    -> no effect
     IIM = Maximum number of inner iterations by group

    *** 25 ***
     ID1 = Print and punch option -> no effect
     ID2 = Cross section input option -> used gip file
     ID3 = Activity calc option -> compute N activities by zone
     ID4 = Actvity calc by interval option - compute activities by int
     ICM = Outer iteration maximum

    *** 30 ***
    IDAT1 = Storage allocation option -> fluxes and current on tape
    IDAT2 = Diffusion theory solution option
     IFG = Cross section flux weighting option -> no effect
    IFLU = Flux solution option -> WTD diamond diff +
     IFN = Fission or flux guess input option - >flux guess  via 3*

    *** 35 ***
    IPRT = Cross section print option ->P0 xsects by zone
    IXTR =  P(L) scatt.coeff. calc option -> calc P(L) consts
   ------------------------------------------------------------

0   15$ ARRAY     36 ENTRIES READ
     EV = Eigenvalue guess -> fixed source
    EVM = Eigenvalue modifier -> fixed source
    EPS = Convergence criteria for eigenvalue and upscatter convg.
     BF = Transvers leakage parameter -> usual value
     DY = Cylinder or plane height for buckling correction
     DZ = Plane depth for buckling correction
   DFM1 = Transverse dimension for void streaming correction
    XNF = Normalization factor -> normalization
     PV = Parametric eigenvalue for time absorption or seacrh calcs
    RYF = Lambda relaxation factor - suggested value
   XLAL = Point wise flux convergence criterion -> use EPS value
   XLAH = Convergence parameter for search calcs
    EQL = Eigenvalue change epsilon for search calcs
   XNPM = New paramter modifier for search calcs
0   16* ARRAY     14 ENTRIES READ
0    0T
1ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0 ID    PROBLEM ID NO.                    1      ITH   0/1 = REG./ADJ.                    0
```

```
   ISCT  ORDER OF SCATTERING                          3      ISN   QUADRATURE  ORDER                          8
   IGE   1/2/3 = PLA/CYL/SPH                          2      IBL   0/1 /2/3 = NO REFL/REFL/PER/WHITE      1
   IBR   RT. B.C. SAME AS LEFT  B.C.,IBL              0      IZM   NO. OF ZONES                           6
   IM    NO. OF INTERVALS                           258      IEVT  0/1/2/3/4/5/6=Q/K/ALPHA/C/Z/R/H        0
   IGM   NO. OF GROUPS                               67      IHT   POS. OF SIGMA T                        3
   IHS   POS. OF SIGMA GG                             4      IHM   TABLE LENGTH                          70
   MS    MIXING TABLE LENGTH                          0      MCR   NO. MATLS. FROM CARDS                  0
   MTP   NO. MATLS. FROM LIB TAPE                    29      MT    NO. OF MATLS.                          29
   IDFM  0/1=NONE/DENSITY FACTORS(21*)               0      IPVT  0/1/2=NONE/K/ALPHA                     0
   IQM   0/1=NONE/DIST. SCOURCE                      1      IPM   0/1/IM=NONE/S(MM,IPP)/S(MM,IM)         0
   IPP   INTERVAL O F SHELL SOURCE                   0      IIM   INNER ITER. MAX.                       150
   ID1   0/1/2/3=NO/PRNT ND/PNCH N/BOTH              0      ID2   0/1/2=NO/X-SEC TAP E/PREV              1
   ID3   0/N=NO/N ACT. BY ZONE                      -3      ID4   0/1=NO /N ACT. BY INT.                 1
   ICM   OUTER ITER. MAX.                            1      IDAT1 0/1/2=NO/MIN/MAX TAPE                  2
   IDAT2 0/1=NO/DIFFUSION(24$)                       0      IFG   0/1=NO/FEW GRP.                        0
   IFLU  0/1/2=BOTH/LINEAR/ STEP                     4      IFN   0/1/2=INPUT 2*/3*/PREV. CASE           1
   IPRT  0/1 = PRINT X-SEC/DO NOT                    0      IXTR  0/1=CALC/READ P-L CONSTANTS            0
 0 EV    EIGENVALUE GUESS              .00000E+00     EVM   EIGENVALUE MODIFIER          .00000E+00
   EPS   PRECISION DESIRED            1.00000E-04     BF    BUCKLING FACTOR           1.42089E+00
   DY    CYL OR PLA HEIGHT             .00000E+00     DZ    PLANE DEPTH                .00000E+00
   DFM1  HT. FOR VOID CORR.            .00000E+00     XNF   NORM. FACTOR               .00000E+00
   PV    IPVT=1/2 - K/ALPHA            .00000E+00     RYF   LAMBDA2 RELAXATION        5.00000E-01
   XLAL  PT CNVRG EPS. IF .NE.0       2.00000E-04     XLAH  1-LAMBDA MAX.-SEARCH       .00000E+00
   EQL   EV CHANGE EPS.-SEARCH         .00000E+00     XNPM  NEW PARAM. MOD.-SEARCH     .00000E+00
 0 72639 LOCATIONS WILL BE USED FOR THIS PROBLEM , IDAT1=  2
 0  2303 LOCATIONS WILL BE USED TO READ CROSS SECTIONS
 0 29 X-SEC. SETS READ FROM GRP. INDEPENDENT TAPE
   ------------------------------------------------------------------
          1         2         3         4         5         6         7
   34567890123456789012345678901234567890123456789012345678901234567890123456789012
   ------------------------------------------------------------------
   eutron Distributed Source (#/s-cc) - Fission and (Alpha, n)
   tart Gamma Source (#/s-cc)
 0   17* ARRAY  17286 ENTRIES READ
 0    0T
   ------------------------------------------------------------------
    Flux Guess
 0    3* ARRAY  17286 ENTRIES READ
 0    0T
   ------------------------------------------------------------------
          1         2         3         4         5         6         7
   34567890123456789012345678901234567890123456789012345678901234567890123456789012
   ------------------------------------------------------------------

    Fission Spectrum Data -> 0 for fixed source

    IM Mesh Intervals
 0    1* ARRAY     67 ENTRIES READ
    FUEL

    MPC wall

    GAP

   INNER BARRIER

    OUTER BARRIER

    AIR
    Velocities by group
```

```
 0    4* ARRAY     259 ENTRIES READ

   Angular Quadrature Weights
 0    5* ARRAY      67 ENTRIES READ

   Angular Quadrature Cosines
 0    6* ARRAY      24 ENTRIES READ

   Zone Numbers by Mesh Intervals
 0    7* ARRAY      24 ENTRIES READ
   FUEL

   MPC wall

   gap

   INNER BARRIER

   OUTER BARRIER

   AIR
   Material Numbers by Zone - negative indicates no buckling
                              correction made
 0    8$ ARRAY     258 ENTRIES READ
   FUEL

   MPC WALL

   GAP

   INNER BARRIER

   OUTER BARRIER

   AIR

   Order of Scatter by Zone
 0    9$ ARRAY       6 ENTRIES READ

   Material Numbers for Activities
 0   19$ ARRAY       6 ENTRIES READ
   Cross Section Table Position for Activities
 0   22$ ARRAY       3 ENTRIES READ
 0   23$ ARRAY       3 ENTRIES READ
 0    0T
 0   29H  ARRAY      3 LABELS READ
 0    0T
1ANISN CYL W17x17 MOX - 21 PWR MPC    CASE 5r1
0 INT.  ZONE NUMBER     RADIUS          AREA          VOLUME       FISS DENS    DENS FACTOR
     1        1       .00000E+00    .00000E+00    .78540E+00    .00000E+00
     2        1       .50000E+00    .31416E+01    .62832E+01    .00000E+00
     3        1       .15000E+01    .94248E+01    .39530E+02    .00000E+00
     4        1       .38513E+01    .24199E+02    .74268E+02    .00000E+00
     5        1       .62027E+01    .38973E+02    .10901E+03    .00000E+00
     6        1       .85540E+01    .53746E+02    .14374E+03    .00000E+00
     7        1       .10905E+02    .68520E+02    .17848E+03    .00000E+00
     8        1       .13257E+02    .83294E+02    .21322E+03    .00000E+00
     9        1       .15608E+02    .98068E+02    .24796E+03    .00000E+00
    10        1       .17959E+02    .11284E+03    .28270E+03    .00000E+00
    11        1       .20311E+02    .12762E+03    .31744E+03    .00000E+00
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12	1	.22662E+02	.14239E+03	.35217E+03	.00000E+00
13	1	.25013E+02	.15716E+03	.38691E+03	.00000E+00
14	1	.27365E+02	.17194E+03	.42165E+03	.00000E+00
15	1	.29716E+02	.18671E+03	.45639E+03	.00000E+00
16	1	.32067E+02	.20149E+03	.49113E+03	.00000E+00
17	1	.34419E+02	.21626E+03	.52587E+03	.00000E+00
18	1	.36770E+02	.23103E+03	.56060E+03	.00000E+00
19	1	.39121E+02	.24581E+03	.59534E+03	.00000E+00
20	1	.41473E+02	.26058E+03	.63008E+03	.00000E+00
21	1	.43824E+02	.27535E+03	.66482E+03	.00000E+00
22	1	.46175E+02	.29013E+03	.69956E+03	.00000E+00
23	1	.48527E+02	.30490E+03	.73430E+03	.00000E+00
24	1	.50878E+02	.31968E+03	.76903E+03	.00000E+00
25	1	.53229E+02	.33445E+03	.80377E+03	.00000E+00
26	1	.55581E+02	.34922E+03	.83851E+03	.00000E+00
27	1	.57932E+02	.36400E+03	.87325E+03	.00000E+00
28	1	.60283E+02	.37877E+03	.90799E+03	.00000E+00
29	1	.62635E+02	.39355E+03	.94273E+03	.00000E+00
30	1	.64986E+02	.40832E+03	.97746E+03	.00000E+00
31	1	.67337E+02	.42309E+03	.10122E+04	.00000E+00
32	1	.69689E+02	.43787E+03	.10469E+04	.00000E+00
33	1	.72040E+02	.45264E+03	.68603E+03	.00000E+00
34	1	.73540E+02	.46207E+03	.23182E+03	.00000E+00
35	2	.74040E+02	.46521E+03	.29668E+03	.00000E+00
36	2	.74675E+02	.46920E+03	.29920E+03	.00000E+00
37	2	.75310E+02	.47319E+03	.30174E+03	.00000E+00
38	2	.75945E+02	.47718E+03	.30427E+03	.00000E+00
39	3	.76580E+02	.48117E+03	.24137E+03	.00000E+00
40	3	.77080E+02	.48431E+03	.24294E+03	.00000E+00
41	3	.77580E+02	.48745E+03	.24451E+03	.00000E+00
42	4	.78080E+02	.49059E+03	.24608E+03	.00000E+00
43	4	.78580E+02	.49373E+03	.24765E+03	.00000E+00
44	4	.79080E+02	.49687E+03	.24922E+03	.00000E+00
45	4	.79580E+02	.50002E+03	.25079E+03	.00000E+00
46	5	.80080E+02	.50316E+03	.25236E+03	.00000E+00
47	5	.80580E+02	.50630E+03	.50944E+03	.00000E+00
48	5	.81580E+02	.51258E+03	.51572E+03	.00000E+00
49	5	.82580E+02	.51887E+03	.52201E+03	.00000E+00
50	5	.83580E+02	.52515E+03	.52829E+03	.00000E+00
51	5	.84580E+02	.53143E+03	.53457E+03	.00000E+00
52	5	.85580E+02	.53771E+03	.54086E+03	.00000E+00
53	5	.86580E+02	.54400E+03	.54714E+03	.00000E+00
54	5	.87580E+02	.55028E+03	.55342E+03	.00000E+00
55	5	.88580E+02	.55656E+03	.55971E+03	.00000E+00
56	5	.89580E+02	.56285E+03	.28221E+03	.00000E+00
57	6	.90080E+02	.56599E+03	.28378E+03	.00000E+00
58	6	.90580E+02	.56913E+03	.57227E+03	.00000E+00
59	6	.91580E+02	.57541E+03	.11634E+04	.00000E+00
60	6	.93580E+02	.58798E+03	.24022E+04	.00000E+00
61	6	.97580E+02	.61311E+03	.33458E+04	.00000E+00
62	6	.10289E+03	.64649E+03	.35232E+04	.00000E+00
63	6	.10820E+03	.67987E+03	.37005E+04	.00000E+00
64	6	.11352E+03	.71325E+03	.38778E+04	.00000E+00
65	6	.11883E+03	.74663E+03	.40551E+04	.00000E+00
66	6	.12414E+03	.78001E+03	.42325E+04	.00000E+00
67	6	.12946E+03	.81339E+03	.44098E+04	.00000E+00
68	6	.13477E+03	.84677E+03	.45871E+04	.00000E+00
69	6	.14008E+03	.88015E+03	.44793E+04	.00000E+00
70	6	.14508E+03	.91156E+03	.46364E+04	.00000E+00
71	6	.15008E+03	.94298E+03	.47934E+04	.00000E+00

72	6	.15508E+03	.97440E+03	.49505E+04	.00000E+00
73	6	.16008E+03	.10058E+04	.51076E+04	.00000E+00
74	6	.16508E+03	.10372E+04	.52647E+04	.00000E+00
75	6	.17008E+03	.10686E+04	.54218E+04	.00000E+00
76	6	.17508E+03	.11001E+04	.55788E+04	.00000E+00
77	6	.18008E+03	.11315E+04	.57359E+04	.00000E+00
78	6	.18508E+03	.11629E+04	.58930E+04	.00000E+00
79	6	.19008E+03	.11943E+04	.60501E+04	.00000E+00
80	6	.19508E+03	.12257E+04	.62072E+04	.00000E+00
81	6	.20008E+03	.12571E+04	.63642E+04	.00000E+00
82	6	.20508E+03	.12886E+04	.65213E+04	.00000E+00
83	6	.21008E+03	.13200E+04	.66784E+04	.00000E+00
84	6	.21508E+03	.13514E+04	.68355E+04	.00000E+00
85	6	.22008E+03	.13828E+04	.69925E+04	.00000E+00
86	6	.22508E+03	.14142E+04	.71496E+04	.00000E+00
87	6	.23008E+03	.14456E+04	.73067E+04	.00000E+00
88	6	.23508E+03	.14771E+04	.74638E+04	.00000E+00
89	6	.24008E+03	.15085E+04	.76209E+04	.00000E+00
90	6	.24508E+03	.15399E+04	.77779E+04	.00000E+00
91	6	.25008E+03	.15713E+04	.79350E+04	.00000E+00
92	6	.25508E+03	.16027E+04	.80921E+04	.00000E+00
93	6	.26008E+03	.16341E+04	.82492E+04	.00000E+00
94	6	.26508E+03	.16655E+04	.84063E+04	.00000E+00
95	6	.27008E+03	.16970E+04	.85633E+04	.00000E+00
96	6	.27508E+03	.17284E+04	.87205E+04	.00000E+00
97	6	.28008E+03	.17598E+04	.88775E+04	.00000E+00
98	6	.28508E+03	.17912E+04	.90346E+04	.00000E+00
99	6	.29008E+03	.18226E+04	.91917E+04	.00000E+00
100	6	.29508E+03	.18540E+04	.93488E+04	.00000E+00
101	6	.30008E+03	.18855E+04	.95058E+04	.00000E+00
102	6	.30508E+03	.19169E+04	.96629E+04	.00000E+00
103	6	.31008E+03	.19483E+04	.98200E+04	.00000E+00
104	6	.31508E+03	.19797E+04	.99771E+04	.00000E+00
105	6	.32008E+03	.20111E+04	.10134E+05	.00000E+00
106	6	.32508E+03	.20425E+04	.10291E+05	.00000E+00
107	6	.33008E+03	.20740E+04	.10448E+05	.00000E+00
108	6	.33508E+03	.21054E+04	.10605E+05	.00000E+00
109	6	.34008E+03	.21368E+04	.10762E+05	.00000E+00
110	6	.34508E+03	.21682E+04	.10920E+05	.00000E+00
111	6	.35008E+03	.21996E+04	.11077E+05	.00000E+00
112	6	.35508E+03	.22310E+04	.11234E+05	.00000E+00
113	6	.36008E+03	.22624E+04	.11391E+05	.00000E+00
114	6	.36508E+03	.22939E+04	.11548E+05	.00000E+00
115	6	.37008E+03	.23253E+04	.11705E+05	.00000E+00
116	6	.37508E+03	.23567E+04	.11862E+05	.00000E+00
117	6	.38008E+03	.23881E+04	.12019E+05	.00000E+00
118	6	.38508E+03	.24195E+04	.12176E+05	.00000E+00
119	6	.39008E+03	.24509E+04	.12333E+05	.00000E+00
120	6	.39508E+03	.24824E+04	.12490E+05	.00000E+00
121	6	.40008E+03	.25138E+04	.12647E+05	.00000E+00
122	6	.40508E+03	.25452E+04	.12805E+05	.00000E+00
123	6	.41008E+03	.25766E+04	.12962E+05	.00000E+00
124	6	.41508E+03	.26080E+04	.13119E+05	.00000E+00
125	6	.42008E+03	.26394E+04	.13276E+05	.00000E+00
126	6	.42508E+03	.26709E+04	.13433E+05	.00000E+00
127	6	.43008E+03	.27023E+04	.13590E+05	.00000E+00
128	6	.43508E+03	.27337E+04	.13747E+05	.00000E+00
129	6	.44008E+03	.27651E+04	.13904E+05	.00000E+00
130	6	.44508E+03	.27965E+04	.14061E+05	.00000E+00
131	6	.45008E+03	.28279E+04	.14218E+05	.00000E+00

132	6	.45508E+03	.28594E+04	.14375E+05	.00000E+00
133	6	.46008E+03	.28908E+04	.14532E+05	.00000E+00
134	6	.46508E+03	.29222E+04	.14689E+05	.00000E+00
135	6	.47008E+03	.29536E+04	.14847E+05	.00000E+00
136	6	.47508E+03	.29850E+04	.15004E+05	.00000E+00
137	6	.48008E+03	.30164E+04	.15161E+05	.00000E+00
138	6	.48508E+03	.30478E+04	.15318E+05	.00000E+00
139	6	.49008E+03	.30793E+04	.15475E+05	.00000E+00
140	6	.49508E+03	.31107E+04	.15632E+05	.00000E+00
141	6	.50008E+03	.31421E+04	.15789E+05	.00000E+00
142	6	.50508E+03	.31735E+04	.15946E+05	.00000E+00
143	6	.51008E+03	.32049E+04	.16103E+05	.00000E+00
144	6	.51508E+03	.32363E+04	.16260E+05	.00000E+00
145	6	.52008E+03	.32678E+04	.16417E+05	.00000E+00
146	6	.52508E+03	.32992E+04	.16574E+05	.00000E+00
147	6	.53008E+03	.33306E+04	.16732E+05	.00000E+00
148	6	.53508E+03	.33620E+04	.16889E+05	.00000E+00
149	6	.54008E+03	.33934E+04	.17046E+05	.00000E+00
150	6	.54508E+03	.34248E+04	.17203E+05	.00000E+00
151	6	.55008E+03	.34563E+04	.17360E+05	.00000E+00
152	6	.55508E+03	.34877E+04	.17517E+05	.00000E+00
153	6	.56008E+03	.35191E+04	.17674E+05	.00000E+00
154	6	.56508E+03	.35505E+04	.17831E+05	.00000E+00
155	6	.57008E+03	.35819E+04	.17988E+05	.00000E+00
156	6	.57508E+03	.36133E+04	.18145E+05	.00000E+00
157	6	.58008E+03	.36448E+04	.18302E+05	.00000E+00
158	6	.58508E+03	.36762E+04	.18459E+05	.00000E+00
159	6	.59008E+03	.37076E+04	.18617E+05	.00000E+00
160	6	.59508E+03	.37390E+04	.18773E+05	.00000E+00
161	6	.60008E+03	.37704E+04	.18931E+05	.00000E+00
162	6	.60508E+03	.38018E+04	.19088E+05	.00000E+00
163	6	.61008E+03	.38332E+04	.19245E+05	.00000E+00
164	6	.61508E+03	.38647E+04	.19402E+05	.00000E+00
165	6	.62008E+03	.38961E+04	.19559E+05	.00000E+00
166	6	.62508E+03	.39275E+04	.19716E+05	.00000E+00
167	6	.63008E+03	.39589E+04	.19873E+05	.00000E+00
168	6	.63508E+03	.39903E+04	.20030E+05	.00000E+00
169	6	.64008E+03	.40217E+04	.20187E+05	.00000E+00
170	6	.64508E+03	.40532E+04	.20344E+05	.00000E+00
171	6	.65008E+03	.40846E+04	.20501E+05	.00000E+00
172	6	.65508E+03	.41160E+04	.20659E+05	.00000E+00
173	6	.66008E+03	.41474E+04	.20816E+05	.00000E+00
174	6	.66508E+03	.41788E+04	.20973E+05	.00000E+00
175	6	.67008E+03	.42102E+04	.21130E+05	.00000E+00
176	6	.67508E+03	.42417E+04	.21287E+05	.00000E+00
177	6	.68008E+03	.42731E+04	.21444E+05	.00000E+00
178	6	.68508E+03	.43045E+04	.21601E+05	.00000E+00
179	6	.69008E+03	.43359E+04	.21758E+05	.00000E+00
180	6	.69508E+03	.43673E+04	.21915E+05	.00000E+00
181	6	.70008E+03	.43987E+04	.22072E+05	.00000E+00
182	6	.70508E+03	.44301E+04	.22229E+05	.00000E+00
183	6	.71008E+03	.44616E+04	.22386E+05	.00000E+00
184	6	.71508E+03	.44930E+04	.22543E+05	.00000E+00
185	6	.72008E+03	.45244E+04	.22701E+05	.00000E+00
186	6	.72508E+03	.45558E+04	.22858E+05	.00000E+00
187	6	.73008E+03	.45872E+04	.23015E+05	.00000E+00
188	6	.73508E+03	.46186E+04	.23172E+05	.00000E+00
189	6	.74008E+03	.46501E+04	.23329E+05	.00000E+00
190	6	.74508E+03	.46815E+04	.23486E+05	.00000E+00
191	6	.75008E+03	.47129E+04	.23643E+05	.00000E+00

192	6	.75508E+03	.47443E+04	.23800E+05	.00000E+00
193	6	.76008E+03	.47757E+04	.23957E+05	.00000E+00
194	6	.76508E+03	.48071E+04	.24114E+05	.00000E+00
195	6	.77008E+03	.48386E+04	.24271E+05	.00000E+00
196	6	.77508E+03	.48700E+04	.24429E+05	.00000E+00
197	6	.78008E+03	.49014E+04	.24586E+05	.00000E+00
198	6	.78508E+03	.49328E+04	.24742E+05	.00000E+00
199	6	.79008E+03	.49642E+04	.24900E+05	.00000E+00
200	6	.79508E+03	.49956E+04	.25057E+05	.00000E+00
201	6	.80008E+03	.50271E+04	.25214E+05	.00000E+00
202	6	.80508E+03	.50585E+04	.25371E+05	.00000E+00
203	6	.81008E+03	.50899E+04	.25528E+05	.00000E+00
204	6	.81508E+03	.51213E+04	.25685E+05	.00000E+00
205	6	.82008E+03	.51527E+04	.25842E+05	.00000E+00
206	6	.82508E+03	.51841E+04	.25999E+05	.00000E+00
207	6	.83008E+03	.52155E+04	.26156E+05	.00000E+00
208	6	.83508E+03	.52470E+04	.26314E+05	.00000E+00
209	6	.84008E+03	.52784E+04	.26470E+05	.00000E+00
210	6	.84508E+03	.53098E+04	.26628E+05	.00000E+00
211	6	.85008E+03	.53412E+04	.26785E+05	.00000E+00
212	6	.85508E+03	.53726E+04	.26942E+05	.00000E+00
213	6	.86008E+03	.54040E+04	.27099E+05	.00000E+00
214	6	.86508E+03	.54355E+04	.27256E+05	.00000E+00
215	6	.87008E+03	.54669E+04	.27413E+05	.00000E+00
216	6	.87508E+03	.54983E+04	.27570E+05	.00000E+00
217	6	.88008E+03	.55297E+04	.27727E+05	.00000E+00
218	6	.88508E+03	.55611E+04	.27884E+05	.00000E+00
219	6	.89008E+03	.55925E+04	.28041E+05	.00000E+00
220	6	.89508E+03	.56240E+04	.28198E+05	.00000E+00
221	6	.90008E+03	.56554E+04	.28356E+05	.00000E+00
222	6	.90508E+03	.56868E+04	.28513E+05	.00000E+00
223	6	.91008E+03	.57182E+04	.28670E+05	.00000E+00
224	6	.91508E+03	.57496E+04	.28827E+05	.00000E+00
225	6	.92008E+03	.57810E+04	.28984E+05	.00000E+00
226	6	.92508E+03	.58124E+04	.29141E+05	.00000E+00
227	6	.93008E+03	.58439E+04	.29298E+05	.00000E+00
228	6	.93508E+03	.58753E+04	.29455E+05	.00000E+00
229	6	.94008E+03	.59067E+04	.29612E+05	.00000E+00
230	6	.94508E+03	.59381E+04	.29769E+05	.00000E+00
231	6	.95008E+03	.59695E+04	.29926E+05	.00000E+00
232	6	.95508E+03	.60009E+04	.30084E+05	.00000E+00
233	6	.96008E+03	.60324E+04	.30240E+05	.00000E+00
234	6	.96508E+03	.60638E+04	.30398E+05	.00000E+00
235	6	.97008E+03	.60952E+04	.30555E+05	.00000E+00
236	6	.97508E+03	.61266E+04	.30712E+05	.00000E+00
237	6	.98008E+03	.61580E+04	.30869E+05	.00000E+00
238	6	.98508E+03	.61894E+04	.31026E+05	.00000E+00
239	6	.99008E+03	.62209E+04	.31183E+05	.00000E+00
240	6	.99508E+03	.62523E+04	.31340E+05	.00000E+00
241	6	.10001E+04	.62837E+04	.31497E+05	.00000E+00
242	6	.10051E+04	.63151E+04	.31654E+05	.00000E+00
243	6	.10101E+04	.63465E+04	.31811E+05	.00000E+00
244	6	.10151E+04	.63779E+04	.31968E+05	.00000E+00
245	6	.10201E+04	.64094E+04	.32125E+05	.00000E+00
246	6	.10251E+04	.64408E+04	.32283E+05	.00000E+00
247	6	.10301E+04	.64722E+04	.32439E+05	.00000E+00
248	6	.10351E+04	.65036E+04	.32597E+05	.00000E+00
249	6	.10401E+04	.65350E+04	.32754E+05	.00000E+00
250	6	.10451E+04	.65664E+04	.32911E+05	.00000E+00
251	6	.10501E+04	.65978E+04	.33068E+05	.00000E+00

252	6	.10551E+04	.66293E+04	.33225E+05	.00000E+00
253	6	.10601E+04	.66607E+04	.33382E+05	.00000E+00
254	6	.10651E+04	.66921E+04	.33539E+05	.00000E+00
255	6	.10701E+04	.67235E+04	.33696E+05	.00000E+00
256	6	.10751E+04	.67549E+04	.33853E+05	.00000E+00
257	6	.10801E+04	.67863E+04	.34010E+05	.00000E+00
258	6	.10851E+04	.68178E+04	.34167E+05	.00000E+00
259		.10901E+04	.68492E+04		

1ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1

0	FISS SPEC	VELOCITY	RT ALBEDO	LFT ALBEDO	DIFF MARKER	MAT"L/ZONE	L OF P(L)	RADIUS MOD
1	.00000E+00	.10000E+01				-1	3	.00000E+00
2	.00000E+00	.10000E+01				-5	3	.00000E+00
3	.00000E+00	.10000E+01				-17	3	.00000E+00
4	.00000E+00	.10000E+01				-9	3	.00000E+00
5	.00000E+00	.10000E+01				-13	3	.00000E+00
6	.00000E+00	.10000E+01				-17	3	.00000E+00
7	.00000E+00	.10000E+01						
8	.00000E+00	.10000E+01						
9	.00000E+00	.10000E+01						
10	.00000E+00	.10000E+01						
11	.00000E+00	.10000E+01						
12	.00000E+00	.10000E+01						
13	.00000E+00	.10000E+01						
14	.00000E+00	.10000E+01						
15	.00000E+00	.10000E+01						
16	.00000E+00	.10000E+01						
17	.00000E+00	.10000E+01						
18	.00000E+00	.10000E+01						
19	.00000E+00	.10000E+01						
20	.00000E+00	.10000E+01						
21	.00000E+00	.10000E+01						
22	.00000E+00	.10000E+01						
23	.00000E+00	.10000E+01						
24	.00000E+00	.10000E+01						
25	.00000E+00	.10000E+01						
26	.00000E+00	.10000E+01						
27	.00000E+00	.10000E+01						
28	.00000E+00	.10000E+01						
29	.00000E+00	.10000E+01						
30	.00000E+00	.10000E+01						
31	.00000E+00	.10000E+01						
32	.00000E+00	.10000E+01						
33	.00000E+00	.10000E+01						
34	.00000E+00	.10000E+01						
35	.00000E+00	.10000E+01						
36	.00000E+00	.10000E+01						
37	.00000E+00	.10000E+01						
38	.00000E+00	.10000E+01						
39	.00000E+00	.10000E+01						
40	.00000E+00	.10000E+01						
41	.00000E+00	.10000E+01						
42	.00000E+00	.10000E+01						
43	.00000E+00	.10000E+01						
44	.00000E+00	.10000E+01						
45	.00000E+00	.10000E+01						
46	.00000E+00	.10000E+01						
47	.00000E+00	.10000E+01						
48	.00000E+00	.10000E+01						
49	.00000E+00	.10000E+01						
50	.00000E+00	.10000E+01						

51	.00000E+00	.10000E+01
52	.00000E+00	.10000E+01
53	.00000E+00	.10000E+01
54	.00000E+00	.10000E+01
55	.00000E+00	.10000E+01
56	.00000E+00	.10000E+01
57	.00000E+00	.10000E+01
58	.00000E+00	.10000E+01
59	.00000E+00	.10000E+01
60	.00000E+00	.10000E+01
61	.00000E+00	.10000E+01
62	.00000E+00	.10000E+01
63	.00000E+00	.10000E+01
64	.00000E+00	.10000E+01
65	.00000E+00	.10000E+01
66	.00000E+00	.10000E+01
67	.00000E+00	.10000E+01

1ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1

0 CROSS SECTION MIXING TABLE

MIXTURE	COMPONENT	NO. DENSITY
1		
2		
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ANGULAR QUADRATURE CONSTANTS

COSINE (MU)	WEIGHT	REFL DIRECT	WT. X COS.
-.97590E+00	.00000E+00	9	.00000E+00
-.95119E+00	.60494E-01	9	-.57541E-01
-.78680E+00	.45370E-01	8	-.35697E-01
-.57735E+00	.45370E-01	7	-.26195E-01
-.21822E+00	.60494E-01	6	-.13201E-01
.21822E+00	.60494E-01	5	.13201E-01
.57735E+00	.45370E-01	4	.26195E-01
.78680E+00	.45370E-01	3	.35697E-01
.95119E+00	.60494E-01	2	.57541E-01
-.81650E+00	.00000E+00	16	.00000E+00
-.78680E+00	.45370E-01	16	-.35697E-01
-.57735E+00	.46296E-01	15	-.26729E-01
-.21822E+00	.45370E-01	14	-.99006E-02
.21822E+00	.45370E-01	13	.99006E-02
.57735E+00	.46296E-01	12	.26729E-01
.78680E+00	.45370E-01	11	.35697E-01
-.61721E+00	.00000E+00	21	.00000E+00
-.57735E+00	.45370E-01	21	-.26195E-01
-.21822E+00	.45370E-01	20	-.99006E-02
.21822E+00	.45370E-01	19	.99006E-02
.57735E+00	.45370E-01	18	.26195E-01
-.30861E+00	.00000E+00	24	.00000E+00
-.21822E+00	.60494E-01	24	-.13201E-01
.21822E+00	.60494E-01	23	.13201E-01

0 CONSTANTS FOR P(3) SCATTERING

OANGLE	SET NO 1	SET NO 2	SET NO 3	SET NO 4	SET NO 5
1	-9.75900E-01	-4.28571E-01	8.24786E-01	4.55325E-01	-7.34778E-01
2	-9.51190E-01	-4.28571E-01	7.42308E-01	4.43796E-01	-5.72939E-01
3	-7.86796E-01	-4.28571E-01	2.47436E-01	3.67095E-01	2.36958E-01
4	-5.77350E-01	-4.28571E-01	-2.47435E-01	2.69374E-01	6.95520E-01
5	-2.18218E-01	-4.28571E-01	-7.42307E-01	1.01814E-01	4.60044E-01
6	2.18218E-01	-4.28571E-01	-7.42307E-01	-1.01814E-01	-4.60044E-01
7	5.77350E-01	-4.28571E-01	-2.47436E-01	-2.69374E-01	-6.95520E-01
8	7.86796E-01	-4.28571E-01	2.47436E-01	-3.67094E-01	-2.36958E-01
9	9.51190E-01	-4.28571E-01	7.42308E-01	-4.43796E-01	5.72939E-01
10	-8.16496E-01	.00000E+00	5.77350E-01	-3.33334E-01	-4.30331E-01
11	-7.86796E-01	.00000E+00	4.94872E-01	-3.21208E-01	-2.96199E-01
12	-5.77350E-01	.00000E+00	.00000E+00	-2.35702E-01	3.04290E-01
13	-2.18218E-01	.00000E+00	-4.94871E-01	-8.90872E-02	3.12173E-01
14	2.18218E-01	.00000E+00	-4.94871E-01	8.90872E-02	-3.12172E-01

```
     15  5.77350E-01   .00000E+00   .00000E+00  2.35702E-01 -3.04290E-01
     16  7.86796E-01   .00000E+00  4.94872E-01  3.21208E-01  2.96199E-01
     17 -6.17213E-01  4.28571E-01  3.29914E-01 -7.91926E-01 -1.85886E-01
     18 -5.77350E-01  4.28571E-01  2.47436E-01 -7.40779E-01 -8.69404E-02
     19 -2.18218E-01  4.28571E-01 -2.47436E-01 -2.79988E-01  1.64301E-01
     20  2.18218E-01  4.28571E-01 -2.47436E-01  2.79988E-01 -1.64301E-01
     21  5.77350E-01  4.28571E-01  2.47436E-01  7.40779E-01  8.69403E-02
     22 -3.08607E-01  8.57143E-01  8.24786E-02 -6.65938E-01 -2.32357E-02
     23 -2.18218E-01  8.57143E-01   .00000E+00 -4.70889E-01  1.64301E-02
     24  2.18218E-01  8.57143E-01   .00000E+00  4.70889E-01 -1.64301E-02
 1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP   1
 0 POS.    ZONE   1     ZONE   2     ZONE   3     ZONE   4     ZONE   5     ZONE   6
      1  6.10725E-03  1.43310E-02  1.09514E-05  1.98070E-02  1.26809E-02  1.09514E-05
      2  2.14229E-02   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  4.40186E-02  2.11616E-01  8.18187E-05  2.16883E-01  2.09876E-01  8.18187E-05
      4  2.26166E-02  9.06094E-02  3.36486E-05  9.29045E-02  9.01850E-02  3.36486E-05
      5   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         POS.     6 THRU  POS.    70 SAME AS ABOVE
 1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP   2
 0 POS.    ZONE   1     ZONE   2     ZONE   3     ZONE   4     ZONE   5     ZONE   6
      1  5.75465E-03  1.75165E-02  1.17430E-05  2.84718E-02  1.38160E-02  1.17430E-05
      2  1.72159E-02   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  4.36560E-02  2.29905E-01  8.06669E-05  2.35885E-01  2.28676E-01  8.06669E-05
      4  2.09073E-02  1.03492E-01  3.11205E-05  1.06696E-01  1.03873E-01  3.11205E-05
      5  2.84269E-03  1.08545E-02  1.25953E-05  1.05528E-02  1.13735E-02  1.25953E-05
      6   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         POS.     7 THRU  POS.    70 SAME AS ABOVE
 1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP   3
 0 POS.    ZONE   1     ZONE   2     ZONE   3     ZONE   4     ZONE   5     ZONE   6
      1  5.75038E-03  1.61456E-02  1.28024E-05  3.14698E-02  1.04358E-02  1.28024E-05
      2  1.51657E-02   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  4.30846E-02  2.53779E-01  7.30176E-05  2.59294E-01  2.54084E-01  7.30176E-05
      4  2.02671E-02  1.26365E-01  2.50224E-05  1.28034E-01  1.29073E-01  2.50224E-05
      5  3.57298E-03  1.21000E-02  1.68956E-05  1.22656E-02  1.22209E-02  1.68956E-05
      6  6.97930E-04  4.40417E-03  2.68579E-06  4.27760E-03  4.28490E-03  2.68579E-06
      7   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         POS.     8 THRU  POS.    70 SAME AS ABOVE
 1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP   4
 0 POS.    ZONE   1     ZONE   2     ZONE   3     ZONE   4     ZONE   5     ZONE   6
      1  5.69522E-03  1.40522E-02  1.03118E-05  3.10737E-02  7.62499E-03  1.03118E-05
      2  1.43856E-02   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  4.23236E-02  2.73059E-01  6.54765E-05  2.78861E-01  2.72916E-01  6.54765E-05
      4  1.95118E-02  1.43182E-01  2.09990E-05  1.43459E-01  1.45918E-01  2.09990E-05
      5  3.33821E-03  1.10571E-02  1.43414E-05  1.08279E-02  1.14277E-02  1.43414E-05
      6  5.65757E-04  3.19056E-03  2.32053E-06  3.16835E-03  3.04860E-03  2.32053E-06
      7  4.09980E-04  3.70911E-03  1.54327E-06  3.40831E-03  3.85964E-03  1.54327E-06
      8   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         POS.     9 THRU  POS.    70 SAME AS ABOVE
 1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP   5
 0 POS.    ZONE   1     ZONE   2     ZONE   3     ZONE   4     ZONE   5     ZONE   6
      1  4.86812E-03  1.22352E-02  9.63354E-06  2.97833E-02  5.38285E-03  9.63354E-06
      2  1.36072E-02   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  4.31858E-02  2.91514E-01  7.01868E-05  2.96127E-01  2.92211E-01  7.01868E-05
      4  2.05407E-02  1.58583E-01  2.11503E-05  1.57141E-01  1.62437E-01  2.11503E-05
      5  3.59451E-03  1.33858E-02  1.65404E-05  1.23299E-02  1.42597E-02  1.65404E-05
      6  1.14175E-03  2.49817E-03  5.16893E-06  2.91065E-03  2.00287E-03  5.16893E-06
      7  2.79442E-04  4.01546E-03  1.08461E-06  3.66726E-03  4.19722E-03  1.08461E-06
      8  8.94886E-04  3.74451E-03  2.35709E-06  3.35170E-03  3.94423E-03  2.35709E-06
      9   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         POS.    10 THRU  POS.    70 SAME AS ABOVE
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1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 6

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	4.37893E-03	9.56109E-03	9.95889E-06	2.68492E-02	2.78655E-03	9.95889E-06
2	1.08012E-02	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.33368E-02	3.06058E-01	6.68496E-05	3.10645E-01	3.05842E-01	6.68496E-05
4	2.24532E-02	1.71003E-01	2.34391E-05	1.68433E-01	1.74515E-01	2.34391E-05
5	4.80912E-03	1.66123E-02	2.28210E-05	1.48380E-02	1.79093E-02	2.28210E-05
6	1.20772E-03	3.75115E-03	5.48479E-06	4.58288E-03	2.90538E-03	5.48479E-06
7	4.37239E-04	5.94238E-03	7.84390E-07	5.48365E-03	6.10783E-03	7.84390E-07
8	8.62711E-04	5.51172E-03	2.62801E-06	4.85534E-03	5.85809E-03	2.62801E-06
9	1.39346E-03	5.78099E-03	2.61781E-06	5.13985E-03	6.03418E-03	2.61781E-06
10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 11 THRU POS. 70 SAME AS ABOVE					

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 7

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.71477E-03	6.34654E-03	8.70685E-06	2.09275E-02	6.97182E-04	8.70685E-06
2	7.04680E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.71142E-02	3.12602E-01	7.15701E-05	3.16948E-01	3.11380E-01	7.15701E-05
4	2.59993E-02	1.79466E-01	2.93388E-05	1.77267E-01	1.81885E-01	2.93388E-05
5	5.17155E-03	1.88040E-02	2.34560E-05	1.63044E-02	2.07921E-02	2.34560E-05
6	1.05422E-03	4.62286E-03	3.40866E-06	5.27858E-03	3.80895E-03	3.40866E-06
7	5.93745E-04	7.56083E-03	4.67506E-07	7.04939E-03	7.71887E-03	4.67506E-07
8	4.09116E-04	7.19926E-03	1.40285E-06	6.30165E-03	7.79401E-03	1.40285E-06
9	1.51130E-03	6.72322E-03	2.85469E-06	5.86290E-03	7.14357E-03	2.85469E-06
10	1.23265E-03	6.67422E-03	1.79977E-06	5.82037E-03	6.96325E-03	1.79977E-06
11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 12 THRU POS. 70 SAME AS ABOVE					

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 8

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.79838E-03	4.31824E-03	1.71768E-05	1.48435E-02	1.36625E-04	1.71768E-05
2	6.47660E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.28227E-02	3.11875E-01	8.92740E-05	3.12608E-01	3.10899E-01	8.92740E-05
4	3.17799E-02	1.91495E-01	4.42236E-05	1.85206E-01	1.94490E-01	4.42236E-05
5	6.87948E-03	2.55446E-02	3.05917E-05	2.26044E-02	2.77096E-02	3.05917E-05
6	2.31880E-03	9.59742E-03	2.74167E-06	1.08002E-02	7.92806E-03	2.74167E-06
7	1.16292E-03	1.54238E-02	8.93285E-07	1.44073E-02	1.58032E-02	8.93285E-07
8	6.64103E-04	1.42173E-02	1.73032E-06	1.23841E-02	1.52517E-02	1.73032E-06
9	1.47708E-03	1.23922E-02	3.52063E-06	1.06100E-02	1.34535E-02	3.52063E-06
10	2.03983E-03	1.19983E-02	2.70451E-06	1.02781E-02	1.26560E-02	2.70451E-06
11	1.93660E-03	1.16447E-02	2.73776E-06	9.97614E-03	1.22086E-02	2.73776E-06
12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 13 THRU POS. 70 SAME AS ABOVE					

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 9

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.16137E-03	2.74216E-03	1.45135E-05	9.13946E-03	1.59421E-04	1.45135E-05
2	5.88930E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.79793E-02	2.96895E-01	9.29732E-05	2.98209E-01	2.92641E-01	9.29732E-05
4	3.36978E-02	1.72818E-01	3.25898E-05	1.73365E-01	1.68447E-01	3.25898E-05
5	5.65927E-03	2.17424E-02	2.29624E-05	1.78111E-02	2.49223E-02	2.29624E-05
6	1.59806E-03	6.20682E-03	1.63222E-07	7.22618E-03	4.57062E-03	1.63222E-07
7	1.26087E-03	1.29190E-02	3.66228E-07	1.25182E-02	1.29868E-02	3.66228E-07
8	5.94378E-04	1.16987E-02	1.39721E-06	1.02091E-02	1.24515E-02	1.39721E-06
9	7.03097E-04	9.80773E-03	1.87814E-06	8.46630E-03	1.05170E-02	1.87814E-06
10	1.42272E-03	9.41002E-03	2.00330E-06	8.04730E-03	1.00307E-02	2.00330E-06
11	1.26667E-03	8.73575E-03	1.74864E-06	7.49920E-03	9.09688E-03	1.74864E-06
12	1.29043E-03	8.82384E-03	1.69736E-06	7.40199E-03	9.45748E-03	1.69736E-06
13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 14 THRU POS. 70 SAME AS ABOVE					

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 10

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6

1	2.17296E-03	1.97593E-03	9.04117E-06	6.47590E-03	1.75107E-04	9.04117E-06
2	5.73893E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.74793E-02	2.90671E-01	7.22967E-05	2.97169E-01	2.83143E-01	7.22967E-05
4	2.44325E-02	1.60074E-01	1.48273E-05	1.65749E-01	1.53925E-01	1.48273E-05
5	5.27688E-03	2.79956E-02	1.92659E-05	2.66027E-02	2.75983E-02	1.92659E-05
6	8.92674E-04	7.53684E-03	3.67827E-06	6.27261E-03	8.66667E-03	3.67827E-06
7	7.60029E-04	4.74741E-03	1.70122E-07	4.62661E-03	4.61796E-03	1.70122E-07
8	6.25862E-04	7.33253E-03	2.74055E-07	6.60387E-03	7.72119E-03	2.74055E-07
9	3.00699E-04	6.02595E-03	7.71730E-07	5.23199E-03	6.32441E-03	7.71730E-07
10	5.05648E-04	5.12165E-03	1.02947E-06	4.43692E-03	5.44159E-03	1.02947E-06
11	7.57381E-04	4.89446E-03	8.95181E-07	4.17830E-03	5.19243E-03	8.95181E-07
12	6.69150E-04	4.51879E-03	9.14432E-07	3.84583E-03	4.67503E-03	9.14432E-07
13	6.51958E-04	4.70925E-03	8.10272E-07	4.00402E-03	4.98327E-03	8.10272E-07
14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 15 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 11

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.23081E-03	1.48553E-03	6.00609E-06	4.77907E-03	1.76347E-04	6.00609E-06
2	5.78931E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.69500E-02	3.00717E-01	6.98396E-05	2.95174E-01	2.99540E-01	6.98396E-05
4	2.40911E-02	1.74215E-01	1.38405E-05	1.70463E-01	1.73070E-01	1.38405E-05
5	5.74794E-03	4.77427E-02	1.72231E-05	4.84958E-02	4.57378E-02	1.72231E-05
6	4.08537E-03	8.96546E-03	1.83004E-05	4.36180E-03	1.32343E-02	1.83004E-05
7	6.97854E-04	3.95032E-03	9.27425E-09	5.08197E-03	2.66006E-03	9.27425E-09
8	5.97879E-04	5.82590E-03	1.93434E-07	6.16512E-03	5.40305E-03	1.93434E-07
9	6.04372E-04	7.17171E-03	4.16435E-07	6.29936E-03	7.56616E-03	4.16435E-07
10	3.02696E-04	5.53391E-03	7.35693E-07	4.90368E-03	5.73168E-03	7.35693E-07
11	6.56391E-04	5.15695E-03	1.09015E-06	4.47516E-03	5.42709E-03	1.09015E-06
12	7.37007E-04	4.88748E-03	7.70029E-07	4.19313E-03	5.13957E-03	7.70029E-07
13	6.92097E-04	4.48316E-03	8.70718E-07	3.84457E-03	4.58275E-03	8.70718E-07
14	6.54522E-04	4.98100E-03	8.04482E-07	4.28547E-03	5.20047E-03	8.04482E-07
15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 16 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 12

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.26859E-03	1.19132E-03	4.82131E-06	3.74541E-03	1.76222E-04	4.82131E-06
2	5.80728E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.32902E-02	2.91438E-01	6.63398E-05	2.92704E-01	2.85061E-01	6.63398E-05
4	1.96558E-02	1.24997E-01	5.90316E-06	1.24681E-01	1.22141E-01	5.90316E-06
5	3.61486E-03	3.91202E-02	8.91805E-06	3.89087E-02	3.81031E-02	8.91805E-06
6	1.28148E-03	2.43829E-04	7.05217E-06	2.05736E-04	1.22741E-04	7.05217E-06
7	5.07144E-04	5.09930E-03	5.65239E-06	2.48340E-03	7.57030E-03	5.65239E-06
8	3.07976E-04	1.40796E-03	1.62097E-08	2.02043E-03	6.83493E-04	1.62097E-08
9	2.47982E-04	2.98649E-03	6.52240E-08	2.99576E-03	2.95982E-03	6.52240E-08
10	2.37076E-04	2.76186E-03	2.24417E-07	2.47653E-03	2.82785E-03	2.24417E-07
11	1.25902E-04	2.28370E-03	2.94824E-07	2.00269E-03	2.39935E-03	2.94824E-07
12	3.19293E-04	2.14161E-03	4.54794E-07	1.86233E-03	2.24096E-03	4.54794E-07
13	2.90773E-04	2.01075E-03	2.84092E-07	1.73545E-03	2.09787E-03	2.84092E-07
14	2.95129E-04	1.84402E-03	3.37012E-07	1.59302E-03	1.87318E-03	3.37012E-07
15	2.76227E-04	2.13750E-03	3.28448E-07	1.85872E-03	2.21159E-03	3.28448E-07
16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 17 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 13

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.28050E-03	1.11122E-03	4.73111E-06	3.45597E-03	1.76274E-04	4.73111E-06
2	5.80885E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.94001E-02	2.35928E-01	6.30467E-05	2.66397E-01	2.16473E-01	6.30467E-05
4	1.37707E-02	4.07316E-02	1.26725E-06	5.06758E-02	3.40572E-02	1.26725E-06
5	2.27779E-03	2.12527E-02	2.35302E-06	2.24670E-02	2.01536E-02	2.35302E-06
6	3.83784E-04	3.67199E-03	1.54610E-06	3.61384E-03	3.59228E-03	1.54610E-06

7	2.19137E-04	2.54367E-05	1.63181E-06	1.97517E-05	1.80007E-05	1.63181E-06
8	5.62239E-05	1.11600E-03	7.45629E-07	5.42457E-04	1.65604E-03	7.45629E-07
9	6.27943E-05	2.92415E-04	4.10172E-09	4.25281E-04	1.38844E-04	4.10172E-09
10	5.18017E-05	6.39553E-04	1.16354E-08	6.23629E-04	6.48998E-04	1.16354E-08
11	4.56343E-05	5.33467E-04	4.84913E-08	4.83165E-04	5.41263E-04	4.84913E-08
12	2.52797E-05	4.53895E-04	6.04929E-08	3.99748E-04	4.75555E-04	6.04929E-08
13	6.51340E-05	4.26281E-04	8.90954E-08	3.71921E-04	4.44934E-04	8.90954E-08
14	5.71904E-05	3.96664E-04	5.55347E-08	3.44353E-04	4.11606E-04	5.55347E-08
15	5.77876E-05	3.66101E-04	6.54205E-08	3.16828E-04	3.72103E-04	6.54205E-08
16	5.42666E-05	4.27305E-04	6.52283E-08	3.73477E-04	4.40660E-04	6.52283E-08
17	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 18 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 14

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.29421E-03	1.03377E-03	6.61091E-06	3.12516E-03	1.73167E-04	6.61091E-06
2	5.80817E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.34548E-02	2.74374E-01	7.29191E-05	2.88096E-01	2.58426E-01	7.29191E-05
4	2.09867E-02	1.21913E-01	8.74039E-06	1.29794E-01	1.13578E-01	8.74039E-06
5	1.04112E-02	9.66650E-02	1.37083E-05	1.13900E-01	8.69800E-02	1.37083E-05
6	4.20893E-03	6.10059E-02	1.28171E-05	6.50254E-02	5.61627E-02	1.28171E-05
7	1.94570E-03	5.32656E-03	8.71590E-06	5.11271E-03	4.61053E-03	8.71590E-06
8	9.61550E-04	1.77400E-04	1.14647E-05	1.46072E-04	1.74336E-04	1.14647E-05
9	3.02697E-04	7.81416E-03	1.57006E-06	3.77387E-03	1.15701E-02	1.57006E-06
10	3.82947E-04	1.89572E-03	2.97948E-08	2.77586E-03	9.07370E-04	2.97948E-08
11	3.27830E-04	4.02902E-03	6.14939E-08	3.85893E-03	4.12239E-03	6.14939E-08
12	2.65492E-04	3.23989E-03	3.15018E-07	2.91498E-03	3.29551E-03	3.15018E-07
13	1.59808E-04	2.71832E-03	3.77774E-07	2.39610E-03	2.84530E-03	3.77774E-07
14	3.94550E-04	2.54765E-03	5.11879E-07	2.22740E-03	2.65269E-03	5.11879E-07
15	3.44188E-04	2.38712E-03	3.21990E-07	2.06347E-03	2.48337E-03	3.21990E-07
16	3.54194E-04	2.18202E-03	3.80447E-07	1.89758E-03	2.22085E-03	3.80447E-07
17	3.31786E-04	2.58371E-03	3.89179E-07	2.26498E-03	2.66641E-03	3.89179E-07
18	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 19 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 15

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.30261E-03	7.28279E-04	3.93249E-06	2.10820E-03	1.64542E-04	3.93249E-06
2	5.70801E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.99301E-02	2.79694E-01	8.02152E-05	2.76851E-01	2.77426E-01	8.02152E-05
4	2.77578E-02	1.75993E-01	2.60569E-05	1.79390E-01	1.69544E-01	2.60569E-05
5	7.02333E-03	7.71704E-02	3.71291E-05	8.63029E-02	6.61622E-02	3.71291E-05
6	1.43546E-03	2.44868E-02	2.93868E-05	2.97579E-02	1.91023E-02	2.93868E-05
7	3.23087E-03	6.89260E-03	2.99134E-05	6.37849E-03	6.00877E-03	2.99134E-05
8	2.70751E-03	5.78102E-04	2.92057E-05	4.81099E-04	6.07075E-04	2.92057E-05
9	9.88210E-04	2.59328E-02	1.08566E-05	1.21839E-02	3.87392E-02	1.08566E-05
10	1.09583E-03	1.82342E-02	.00000E+00	1.33661E-02	2.24432E-02	.00000E+00
11	1.16480E-03	5.47664E-03	1.30612E-07	6.01088E-03	4.56748E-03	1.30612E-07
12	1.00762E-03	1.22076E-02	1.27245E-07	1.17552E-02	1.23345E-02	1.27245E-07
13	7.06712E-04	9.46250E-03	1.07785E-06	8.46621E-03	9.80220E-03	1.07785E-06
14	6.19267E-04	7.92912E-03	1.25564E-06	7.00567E-03	8.25237E-03	1.25564E-06
15	1.19239E-03	7.43075E-03	1.30135E-06	6.51248E-03	7.70071E-03	1.30135E-06
16	1.01432E-03	6.94587E-03	8.82127E-07	6.02057E-03	7.18966E-03	8.82127E-07
17	1.06189E-03	6.35705E-03	9.87222E-07	5.54239E-03	6.49986E-03	9.87222E-07
18	9.94968E-04	7.72570E-03	1.11523E-06	6.82588E-03	8.03808E-03	1.11523E-06
19	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 20 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 16

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.14893E-03	5.12099E-04	4.63459E-06	1.28627E-03	1.61531E-04	4.63459E-06
2	5.11527E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.34633E-02	2.54239E-01	1.04530E-04	2.70183E-01	2.38021E-01	1.04530E-04

4	2.93119E-02	1.59611E-01	3.07631E-05	1.75103E-01	1.45448E-01	3.07631E-05
5	8.09569E-03	2.95819E-02	3.70034E-05	2.93284E-02	2.78652E-02	3.70034E-05
6	1.96191E-03	3.97429E-04	2.04395E-05	3.53088E-04	5.60151E-04	2.04395E-05
7	2.50223E-04	3.65690E-04	1.39523E-05	4.17059E-04	5.38578E-04	1.39523E-05
8	3.80519E-04	3.34987E-04	1.05333E-05	5.01851E-04	4.74594E-04	1.05333E-05
9	7.77181E-04	2.72402E-02	1.58340E-06	1.27233E-02	4.04136E-02	1.58340E-06
10	1.58926E-03	2.13154E-02	.00000E+00	1.06064E-02	3.11715E-02	.00000E+00
11	9.00139E-04	5.92714E-03	.00000E+00	1.17673E-02	9.84376E-05	.00000E+00
12	1.08051E-03	7.05139E-03	1.68090E-07	6.99541E-03	6.85631E-03	1.68090E-07
13	9.62274E-04	1.10978E-02	1.85573E-07	1.00221E-02	1.14719E-02	1.85573E-07
14	6.47994E-04	8.75182E-03	8.47933E-07	7.62505E-03	9.16081E-03	8.47933E-07
15	7.90522E-04	7.41916E-03	1.40728E-06	6.59867E-03	7.63705E-03	1.40728E-06
16	1.19259E-03	6.93541E-03	9.46216E-07	6.12217E-03	7.13234E-03	9.46216E-07
17	1.02392E-03	6.46435E-03	8.11423E-07	5.64156E-03	6.62028E-03	8.11423E-07
18	1.06642E-03	6.01566E-03	7.60406E-07	5.25038E-03	6.18234E-03	7.60406E-07
19	1.00773E-03	7.70427E-03	1.00171E-06	6.95024E-03	7.91778E-03	1.00171E-06
20	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 21 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 17

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	1.60761E-03	4.19818E-04	5.01013E-06	8.89888E-04	1.68049E-04	5.01013E-06
2	3.52706E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.61772E-02	2.63377E-01	1.15337E-04	2.79294E-01	2.47695E-01	1.15337E-04
4	3.40610E-02	1.80262E-01	4.70671E-05	2.04611E-01	1.58085E-01	4.70671E-05
5	1.20838E-02	3.74020E-02	5.98408E-05	4.15881E-02	3.17444E-02	5.98408E-05
6	1.55125E-03	1.10530E-03	1.32209E-05	9.49950E-04	1.40141E-03	1.32209E-05
7	8.55177E-04	3.50330E-02	.00000E+00	1.63011E-02	5.17534E-02	.00000E+00
8	1.97082E-03	4.88890E-02	.00000E+00	2.26776E-02	7.23207E-02	.00000E+00
9	2.19883E-03	5.14844E-02	.00000E+00	2.41756E-02	7.60444E-02	.00000E+00
10	2.16608E-03	2.27880E-02	.00000E+00	1.14917E-02	3.31545E-02	.00000E+00
11	9.65274E-04	8.54741E-03	.00000E+00	1.69055E-02	1.68284E-04	.00000E+00
12	1.66781E-03	7.84404E-03	.00000E+00	1.36737E-02	2.06626E-03	.00000E+00
13	1.25097E-03	1.12556E-02	1.87061E-07	1.15182E-02	1.08513E-02	1.87061E-07
14	1.18879E-03	1.24562E-02	3.73368E-07	1.13154E-02	1.26824E-02	3.73368E-07
15	7.70043E-04	1.04421E-02	6.97802E-07	9.48874E-03	1.07255E-02	6.97802E-07
16	1.30983E-03	8.78671E-03	1.89613E-06	7.85727E-03	8.97397E-03	1.89613E-06
17	1.48255E-03	8.18076E-03	7.34378E-07	7.26130E-03	8.36510E-03	7.34378E-07
18	1.40644E-03	7.63263E-03	9.10930E-07	6.73186E-03	7.73134E-03	9.10930E-07
19	1.43746E-03	7.59970E-03	8.06488E-07	6.66659E-03	7.76431E-03	8.06488E-07
20	1.33717E-03	1.00232E-02	1.14970E-06	9.22535E-03	1.01706E-02	1.14970E-06
21	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 22 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 18

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	7.57702E-04	3.51871E-04	1.31561E-06	6.56694E-04	1.97032E-04	1.31561E-06
2	1.00270E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.06481E-02	2.44421E-01	1.18486E-04	2.66437E-01	2.26498E-01	1.18486E-04
4	4.96638E-02	2.02351E-01	6.56357E-05	2.34638E-01	1.75325E-01	6.56357E-05
5	1.25603E-02	3.49658E-02	6.32603E-05	4.20704E-02	2.78529E-02	6.32603E-05
6	1.32957E-03	3.17079E-03	9.29002E-06	2.01348E-03	4.20520E-03	9.29002E-06
7	2.93479E-03	5.21554E-02	.00000E+00	2.47943E-02	7.67681E-02	.00000E+00
8	3.51459E-03	1.67552E-02	.00000E+00	9.04123E-03	2.38636E-02	.00000E+00
9	2.17837E-03	9.74013E-04	.00000E+00	1.76238E-03	2.42226E-04	.00000E+00
10	1.68216E-03	1.22381E-03	.00000E+00	1.87983E-03	2.35134E-04	.00000E+00
11	1.70218E-03	1.64549E-02	.00000E+00	3.39437E-02	1.97954E-04	.00000E+00
12	2.46477E-03	1.07642E-02	.00000E+00	2.24940E-02	1.32277E-04	.00000E+00
13	2.74475E-03	5.79771E-03	4.49593E-08	4.52300E-03	6.21439E-03	4.49593E-08
14	1.53539E-03	1.77349E-02	1.38810E-07	1.78054E-02	1.75529E-02	1.38810E-07
15	1.40031E-03	1.35303E-02	6.37446E-07	1.23813E-02	1.37966E-02	6.37446E-07
16	9.58132E-04	1.15249E-02	7.94905E-07	1.05395E-02	1.16541E-02	7.94905E-07

17	2.22387E-03	1.04038E-02	2.11427E-06	9.35352E-03	1.05920E-02	2.11427E-06
18	2.10815E-03	9.62887E-03	6.41565E-07	8.59976E-03	9.82499E-03	6.41565E-07
19	2.11525E-03	9.00727E-03	1.07752E-06	8.03091E-03	9.02325E-03	1.07752E-06
20	2.05807E-03	1.01536E-02	8.52463E-07	9.01937E-03	1.02927E-02	8.52463E-07
21	1.90841E-03	1.36998E-02	1.33076E-06	1.26483E-02	1.39326E-02	1.33076E-06
22	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 23 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 19

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	7.09057E-04	4.40945E-04	5.32962E-07	5.86500E-04	3.80976E-04	5.32962E-07
2	6.53239E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.31997E-02	2.39671E-01	9.72401E-05	2.65814E-01	2.13426E-01	9.72401E-05
4	4.70117E-02	1.78880E-01	3.42719E-05	2.05051E-01	1.52402E-01	3.42719E-05
5	1.32267E-02	1.71163E-02	4.64928E-05	1.83078E-02	1.57535E-02	4.64928E-05
6	3.84245E-04	2.26361E-04	.00000E+00	4.06622E-04	1.56712E-05	.00000E+00
7	1.56647E-03	2.67525E-02	.00000E+00	1.26172E-02	3.93972E-02	.00000E+00
8	1.76702E-03	1.17076E-03	.00000E+00	1.24564E-03	1.11700E-03	.00000E+00
9	8.95048E-04	5.70836E-03	.00000E+00	1.08480E-02	1.54549E-04	.00000E+00
10	1.16239E-03	1.60853E-02	.00000E+00	3.31943E-02	8.58296E-05	.00000E+00
11	1.37602E-03	1.88269E-02	.00000E+00	4.00371E-02	6.08006E-05	.00000E+00
12	1.47187E-03	3.64935E-03	.00000E+00	7.96259E-03	4.80772E-05	.00000E+00
13	1.60449E-03	1.46686E-03	.00000E+00	1.15063E-03	1.33573E-03	.00000E+00
14	1.40671E-03	4.98068E-03	6.85031E-08	4.24632E-03	5.36770E-03	6.85031E-08
15	1.01016E-03	9.59976E-03	2.78986E-08	9.55041E-03	9.64579E-03	2.78986E-08
16	7.18920E-04	6.66731E-03	3.33045E-07	6.22499E-03	6.94915E-03	3.33045E-07
17	5.58684E-04	5.64219E-03	5.64191E-07	5.12618E-03	5.79846E-03	5.64191E-07
18	1.45009E-03	5.13098E-03	8.19918E-07	4.61931E-03	5.23558E-03	8.19918E-07
19	1.29365E-03	4.74556E-03	2.81863E-07	4.24989E-03	4.84103E-03	2.81863E-07
20	1.32163E-03	4.51015E-03	4.97747E-07	4.05055E-03	4.44128E-03	4.97747E-07
21	1.25213E-03	5.84490E-03	4.04210E-07	5.16511E-03	5.96994E-03	4.04210E-07
22	1.15469E-03	7.67854E-03	6.51400E-07	7.06045E-03	7.84425E-03	6.51400E-07
23	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 24 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 20

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	6.55736E-04	6.24829E-04	7.25958E-07	6.70052E-04	6.46990E-04	7.25958E-07
2	5.30373E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	6.55803E-02	3.36588E-01	1.05771E-04	3.14703E-01	3.48130E-01	1.05771E-04
4	3.89414E-02	2.25670E-01	2.27581E-05	2.11595E-01	2.35903E-01	2.27581E-05
5	1.67278E-02	5.02958E-02	3.63149E-05	5.47518E-02	4.67668E-02	3.63149E-05
6	1.65762E-03	1.04896E-04	5.04267E-06	1.05837E-04	1.19569E-04	5.04267E-06
7	4.14579E-04	2.68388E-03	.00000E+00	1.40041E-03	3.83151E-03	.00000E+00
8	1.23194E-03	1.08541E-02	.00000E+00	5.40444E-03	1.58800E-02	.00000E+00
9	5.46304E-04	7.68568E-04	.00000E+00	1.27701E-03	4.42120E-05	.00000E+00
10	5.22937E-04	1.10041E-02	.00000E+00	2.37413E-02	1.77691E-05	.00000E+00
11	8.70884E-04	3.23980E-03	.00000E+00	7.68133E-03	5.74486E-05	.00000E+00
12	6.45214E-04	2.69574E-04	.00000E+00	6.03877E-04	3.19806E-05	.00000E+00
13	8.88807E-04	1.92466E-04	.00000E+00	2.31254E-04	3.50579E-05	.00000E+00
14	7.62164E-04	1.68824E-03	.00000E+00	9.90303E-04	2.25414E-03	.00000E+00
15	4.24922E-04	1.83398E-03	4.10159E-08	2.16072E-03	1.42042E-03	4.10159E-08
16	4.64110E-04	3.98721E-03	2.30630E-08	3.88957E-03	4.05021E-03	2.30630E-08
17	3.20467E-04	2.85000E-03	1.25850E-07	2.55970E-03	2.93851E-03	1.25850E-07
18	2.57308E-04	2.31094E-03	2.76215E-07	2.10087E-03	2.37455E-03	2.76215E-07
19	6.59175E-04	2.11015E-03	2.49535E-07	1.89753E-03	2.15922E-03	2.49535E-07
20	6.04341E-04	1.95669E-03	1.16820E-07	1.75549E-03	1.98840E-03	1.16820E-07
21	6.16477E-04	1.88820E-03	1.96770E-07	1.70132E-03	1.83686E-03	1.96770E-07
22	5.75137E-04	2.61041E-03	1.66934E-07	2.29821E-03	2.68633E-03	1.66934E-07
23	5.28945E-04	3.36201E-03	2.64955E-07	3.08256E-03	3.44419E-03	2.64955E-07
24	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 25 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 21

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	6.21616E-04	6.16420E-04	5.20191E-06	6.58763E-04	5.63104E-04	5.20191E-06
2	4.59594E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.01454E-02	2.39065E-01	1.16095E-04	2.79991E-01	2.07539E-01	1.16095E-04
4	5.09777E-02	1.98848E-01	4.60167E-05	2.23706E-01	1.81984E-01	4.60167E-05
5	2.39379E-02	1.09541E-01	7.27834E-05	1.01557E-01	1.10959E-01	7.27834E-05
6	6.86667E-03	1.06650E-03	2.61194E-05	7.45812E-04	1.19281E-03	2.61194E-05
7	1.32314E-04	1.45651E-04	.00000E+00	2.12520E-04	8.37962E-06	.00000E+00
8	1.27993E-03	1.85871E-02	.00000E+00	8.77346E-03	2.73656E-02	.00000E+00
9	2.13179E-03	1.00838E-03	.00000E+00	1.20925E-03	9.93570E-04	.00000E+00
10	8.92492E-04	7.71128E-03	.00000E+00	1.60249E-02	7.83305E-05	.00000E+00
11	1.09758E-03	2.82220E-03	.00000E+00	6.43569E-03	5.92253E-05	.00000E+00
12	3.77243E-04	2.23413E-04	.00000E+00	3.44880E-04	1.66226E-05	.00000E+00
13	1.40200E-03	2.48421E-04	.00000E+00	2.80532E-04	2.53532E-05	.00000E+00
14	1.44119E-03	5.05784E-04	.00000E+00	5.46986E-04	1.68552E-04	.00000E+00
15	1.36042E-03	2.93365E-03	1.00738E-09	1.71825E-03	3.91442E-03	1.00738E-09
16	6.81821E-04	4.02605E-03	8.06207E-08	4.96935E-03	3.13798E-03	8.06207E-08
17	8.02860E-04	6.83876E-03	7.80750E-08	6.34383E-03	7.05570E-03	7.80750E-08
18	5.58243E-04	4.47613E-03	1.86442E-07	3.92970E-03	4.64894E-03	1.86442E-07
19	4.97334E-04	3.74877E-03	4.65236E-07	3.38912E-03	3.86680E-03	4.65236E-07
20	1.17814E-03	3.38347E-03	3.06316E-07	3.03694E-03	3.46980E-03	3.06316E-07
21	1.13196E-03	3.16673E-03	1.97337E-07	2.83833E-03	3.20728E-03	1.97337E-07
22	1.14083E-03	3.09868E-03	3.23032E-07	2.82932E-03	2.94524E-03	3.23032E-07
23	1.06110E-03	4.47254E-03	2.72715E-07	3.90936E-03	4.68585E-03	2.72715E-07
24	9.74452E-04	5.75345E-03	4.32367E-07	5.27890E-03	5.88824E-03	4.32367E-07
25	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 26 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 22

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	5.80537E-04	4.82173E-04	7.47116E-07	6.17764E-04	4.16490E-04	7.47116E-07
2	4.03051E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.74867E-02	2.57399E-01	1.20655E-04	2.71821E-01	2.44850E-01	1.20655E-04
4	5.88666E-02	2.10388E-01	5.32065E-05	2.22657E-01	1.98807E-01	5.32065E-05
5	1.75509E-02	3.89316E-02	5.99665E-05	5.50197E-02	2.45079E-02	5.99665E-05
6	1.16893E-03	4.20823E-04	9.50028E-06	3.12936E-04	6.22220E-04	9.50028E-06
7	1.08573E-04	7.09212E-05	.00000E+00	8.93804E-05	2.43444E-05	.00000E+00
8	5.55973E-04	1.49746E-04	.00000E+00	2.92028E-04	1.79646E-05	.00000E+00
9	1.54493E-03	1.69431E-02	.00000E+00	8.15132E-03	2.48794E-02	.00000E+00
10	1.02686E-03	2.58816E-04	.00000E+00	3.46227E-04	3.22004E-05	.00000E+00
11	8.81571E-04	6.40216E-03	.00000E+00	1.36680E-02	3.98706E-05	.00000E+00
12	1.15596E-03	1.75181E-04	.00000E+00	2.06766E-04	9.04883E-06	.00000E+00
13	1.73273E-03	3.55124E-04	.00000E+00	3.31318E-04	7.58434E-05	.00000E+00
14	1.44909E-03	5.67325E-04	.00000E+00	5.74699E-04	1.58029E-04	.00000E+00
15	9.04677E-04	1.59165E-03	.00000E+00	1.05292E-03	1.97443E-03	.00000E+00
16	9.62073E-04	1.28614E-03	2.37845E-08	1.26823E-03	8.73780E-04	2.37845E-08
17	4.96363E-04	4.45822E-03	5.79409E-08	5.14052E-03	4.13052E-03	5.79409E-08
18	6.97394E-04	4.58325E-03	9.95789E-08	4.16581E-03	4.72554E-03	9.95789E-08
19	4.51433E-04	3.48112E-03	1.16809E-07	3.12026E-03	3.74271E-03	1.16809E-07
20	4.48154E-04	2.82284E-03	3.07151E-07	2.55617E-03	2.91025E-03	3.07151E-07
21	9.83569E-04	2.57191E-03	1.66573E-07	2.30616E-03	2.63986E-03	1.66573E-07
22	9.94590E-04	2.43033E-03	1.57944E-07	2.19190E-03	2.42626E-03	1.57944E-07
23	9.73184E-04	2.45417E-03	2.41477E-07	2.26710E-03	2.27524E-03	2.41477E-07
24	8.90286E-04	3.65717E-03	2.13713E-07	3.17461E-03	3.87906E-03	2.13713E-07
25	8.16449E-04	4.62949E-03	3.23784E-07	4.24876E-03	4.73965E-03	3.23784E-07
26	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 27 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 23

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	5.72327E-04	4.81706E-04	1.56399E-06	6.79260E-04	3.61794E-04	1.56399E-06

2	3.60325E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.18673E-01	3.47006E-01	1.96142E-04	3.52793E-01	3.40402E-01	1.96142E-04
4	9.40460E-02	3.15160E-01	1.22421E-04	3.21502E-01	3.07888E-01	1.22421E-04
5	1.77686E-02	4.62489E-02	6.67042E-05	4.82649E-02	4.55553E-02	6.67042E-05
6	8.53833E-04	4.35917E-04	4.91152E-06	2.95714E-04	4.84510E-04	4.91152E-06
7	1.17561E-04	4.61280E-05	.00000E+00	5.70331E-05	.00000E+00	.00000E+00
8	2.05705E-05	9.19758E-05	.00000E+00	1.13720E-04	.00000E+00	.00000E+00
9	1.10241E-03	6.20797E-03	.00000E+00	3.08858E-03	8.98560E-03	.00000E+00
10	2.27712E-03	3.94353E-03	.00000E+00	2.48383E-03	5.41637E-03	.00000E+00
11	8.75040E-04	3.03406E-03	.00000E+00	5.92687E-03	6.94992E-05	.00000E+00
12	1.06101E-03	3.27607E-03	.00000E+00	7.21055E-03	3.57008E-05	.00000E+00
13	1.67321E-03	5.87811E-04	.00000E+00	5.99468E-04	1.60403E-04	.00000E+00
14	1.66794E-03	6.31589E-04	.00000E+00	6.65977E-04	1.85191E-04	.00000E+00
15	8.55379E-04	4.57227E-04	.00000E+00	4.97675E-04	1.22683E-04	.00000E+00
16	1.14675E-03	1.97580E-03	.00000E+00	1.24914E-03	2.57613E-03	.00000E+00
17	1.03338E-03	1.29036E-03	6.70364E-08	2.42222E-03	9.18714E-05	6.70364E-08
18	6.46964E-04	6.14168E-03	3.98438E-08	6.01580E-03	6.36203E-03	3.98438E-08
19	7.94020E-04	4.50122E-03	1.50237E-07	4.27744E-03	4.60296E-03	1.50237E-07
20	4.99072E-04	3.61719E-03	8.29220E-08	3.39300E-03	3.77071E-03	8.29220E-08
21	5.31924E-04	2.95292E-03	2.58634E-07	2.66787E-03	3.04428E-03	2.58634E-07
22	1.18901E-03	2.67875E-03	1.52421E-07	2.40010E-03	2.74443E-03	1.52421E-07
23	1.21194E-03	2.58898E-03	1.84471E-07	2.35417E-03	2.51774E-03	1.84471E-07
24	1.16961E-03	2.69062E-03	2.48378E-07	2.54181E-03	2.39221E-03	2.48378E-07
25	1.07268E-03	4.20944E-03	2.36486E-07	3.64301E-03	4.48410E-03	2.36486E-07
26	9.82192E-04	5.19625E-03	3.31365E-07	4.77843E-03	5.29573E-03	3.31365E-07
27	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 28 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 24

0 POS.

	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	5.83077E-04	6.30410E-04	1.18103E-07	8.71873E-04	5.20974E-04	1.18103E-07
2	3.45550E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.37723E-02	2.74837E-01	1.58539E-04	3.38097E-01	2.43458E-01	1.58539E-04
4	5.68486E-02	2.45014E-01	6.24473E-05	2.87602E-01	2.24134E-01	6.24473E-05
5	2.32628E-02	3.09077E-02	6.92858E-05	3.02704E-02	3.18367E-02	6.92858E-05
6	1.82321E-04	1.23392E-04	.00000E+00	8.41593E-05	7.44080E-05	.00000E+00
7	5.95332E-05	1.31654E-05	.00000E+00	1.62779E-05	.00000E+00	.00000E+00
8	1.25287E-05	2.88501E-05	.00000E+00	3.56706E-05	.00000E+00	.00000E+00
9	8.21113E-05	5.57278E-05	.00000E+00	8.27842E-05	.00000E+00	.00000E+00
10	8.38863E-04	6.18305E-03	.00000E+00	3.01144E-03	9.04158E-03	.00000E+00
11	8.40845E-04	1.62824E-04	.00000E+00	2.36923E-04	2.10162E-05	.00000E+00
12	4.72488E-04	4.26411E-03	.00000E+00	8.82851E-03	2.91701E-05	.00000E+00
13	7.14192E-04	1.59306E-04	.00000E+00	1.99509E-04	2.78400E-05	.00000E+00
14	4.65784E-04	2.38284E-04	.00000E+00	2.48891E-04	6.48673E-05	.00000E+00
15	1.90003E-05	1.23797E-04	.00000E+00	1.87613E-04	2.15164E-05	.00000E+00
16	2.06511E-04	9.16078E-04	.00000E+00	6.53741E-04	1.17404E-03	.00000E+00
17	6.91277E-04	6.21950E-04	8.12065E-10	4.55527E-04	6.63809E-04	8.12065E-10
18	3.36977E-04	7.55065E-04	5.17409E-08	1.32242E-03	2.17197E-04	5.17409E-08
19	4.33939E-04	3.37239E-03	3.79589E-09	3.50226E-03	3.36474E-03	3.79589E-09
20	4.32763E-04	2.31374E-03	7.46568E-08	2.09753E-03	2.44391E-03	7.46568E-08
21	2.50244E-04	1.75111E-03	3.55000E-08	1.61946E-03	1.73464E-03	3.55000E-08
22	2.96774E-04	1.44579E-03	1.04093E-07	1.29977E-03	1.48914E-03	1.04093E-07
23	6.60631E-04	1.28498E-03	7.83060E-08	1.15471E-03	1.30640E-03	7.83060E-08
24	6.59818E-04	1.28759E-03	9.58578E-08	1.18756E-03	1.20156E-03	9.58578E-08
25	6.13292E-04	1.36611E-03	1.20576E-07	1.31954E-03	1.15512E-03	1.20576E-07
26	5.64035E-04	2.24372E-03	1.19003E-07	1.94770E-03	2.38552E-03	1.19003E-07
27	5.12031E-04	2.68795E-03	1.58681E-07	2.48043E-03	2.71738E-03	1.58681E-07
28	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 29 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 25

0 POS. ZONE 1 ZONE 2 ZONE 3 ZONE 4 ZONE 5 ZONE 6

1	6.12811E-04	6.91740E-04	8.08320E-08	1.04597E-03	5.40054E-04	8.08320E-08
2	3.38727E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.62745E-02	3.44148E-01	1.73371E-04	4.14984E-01	3.10979E-01	1.73371E-04
4	7.60154E-02	3.12488E-01	1.29700E-04	3.88175E-01	2.77068E-01	1.29700E-04
5	2.61908E-02	2.90130E-02	9.59735E-05	4.94882E-02	1.87403E-02	9.59735E-05
6	7.51754E-04	3.84031E-04	2.86947E-06	2.53713E-04	3.10127E-04	2.86947E-06
7	7.51968E-05	5.22972E-05	.00000E+00	6.46608E-05	.00000E+00	.00000E+00
8	1.53616E-05	7.80243E-05	.00000E+00	9.64700E-05	.00000E+00	.00000E+00
9	1.89695E-05	9.99204E-05	.00000E+00	1.23543E-04	.00000E+00	.00000E+00
10	8.92360E-04	1.22045E-04	.00000E+00	2.97275E-04	.00000E+00	.00000E+00
11	1.42764E-03	9.46843E-03	.00000E+00	4.68872E-03	1.38088E-02	.00000E+00
12	6.99589E-04	3.45915E-04	.00000E+00	4.92812E-04	3.04846E-05	.00000E+00
13	7.34824E-04	6.73407E-03	.00000E+00	1.43914E-02	2.34500E-05	.00000E+00
14	9.25098E-04	2.68073E-04	.00000E+00	2.95323E-04	6.10784E-05	.00000E+00
15	2.88858E-04	6.65247E-04	.00000E+00	5.50662E-04	7.37008E-04	.00000E+00
16	8.46640E-04	1.84640E-03	.00000E+00	1.15786E-03	2.53293E-03	.00000E+00
17	1.16157E-03	1.47536E-03	.00000E+00	8.88732E-04	2.00490E-03	.00000E+00
18	5.35707E-04	6.99581E-04	1.21357E-08	1.00332E-03	8.59586E-05	1.21357E-08
19	3.43565E-04	2.18470E-03	5.11972E-08	2.06169E-03	2.28992E-03	5.11972E-08
20	7.27158E-04	3.84359E-03	.00000E+00	4.76665E-03	3.47947E-03	.00000E+00
21	5.73312E-04	3.21036E-03	7.61319E-08	2.86375E-03	3.35656E-03	7.61319E-08
22	3.33236E-04	2.32409E-03	4.02931E-08	2.13917E-03	2.35158E-03	4.02931E-08
23	4.64496E-04	1.99921E-03	1.27833E-07	1.81800E-03	2.03283E-03	1.27833E-07
24	9.89226E-04	1.80990E-03	1.07385E-07	1.63864E-03	1.82152E-03	1.07385E-07
25	9.65771E-04	1.89780E-03	1.29095E-07	1.79344E-03	1.66642E-03	1.29095E-07
26	8.64765E-04	2.03928E-03	1.65582E-07	2.00279E-03	1.65970E-03	1.65582E-07
27	8.09083E-04	3.38719E-03	1.66286E-07	2.99252E-03	3.57682E-03	1.66286E-07
28	7.22535E-04	3.92018E-03	2.06828E-07	3.62796E-03	3.92015E-03	2.06828E-07
29	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 30 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 26

0 POS.

	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	7.21924E-04	7.76794E-04	5.95938E-08	1.25291E-03	5.50823E-04	5.95938E-08
2	3.40570E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.27894E-02	3.86635E-01	2.00279E-04	4.72265E-01	3.12150E-01	2.00279E-04
4	8.14094E-02	3.65428E-01	1.45166E-04	4.45072E-01	2.96268E-01	1.45166E-04
5	9.58713E-03	3.08487E-02	4.35911E-05	2.56840E-02	3.33153E-02	4.35911E-05
6	1.37836E-04	1.54305E-04	.00000E+00	1.02229E-04	6.69910E-05	.00000E+00
7	2.93650E-05	2.18081E-05	.00000E+00	2.69637E-05	.00000E+00	.00000E+00
8	4.39622E-06	4.91221E-05	.00000E+00	6.07350E-05	.00000E+00	.00000E+00
9	1.10056E-05	6.76125E-05	.00000E+00	8.35967E-05	.00000E+00	.00000E+00
10	2.58979E-04	7.80801E-05	.00000E+00	1.52351E-04	.00000E+00	.00000E+00
11	6.30735E-04	2.00815E-03	.00000E+00	1.04389E-03	2.87244E-03	.00000E+00
12	7.72013E-04	2.27810E-03	.00000E+00	1.26581E-03	3.23945E-03	.00000E+00
13	3.08016E-04	1.94588E-03	.00000E+00	3.83952E-03	1.77372E-05	.00000E+00
14	2.80345E-04	5.37746E-04	.00000E+00	1.36776E-03	1.20081E-05	.00000E+00
15	3.27821E-04	1.36452E-04	.00000E+00	1.63081E-04	4.04541E-05	.00000E+00
16	5.08201E-04	7.43681E-04	.00000E+00	4.55264E-04	1.02884E-03	.00000E+00
17	3.29007E-04	7.62905E-05	.00000E+00	8.09476E-05	1.53402E-05	.00000E+00
18	1.27315E-04	1.58369E-04	.00000E+00	1.48271E-04	5.46414E-05	.00000E+00
19	1.96750E-04	3.61048E-04	9.50269E-09	7.04903E-04	2.33746E-05	9.50269E-09
20	1.46015E-04	1.29877E-03	6.27542E-09	1.57487E-03	1.10814E-03	6.27542E-09
21	3.83730E-04	2.12899E-03	.00000E+00	2.12949E-03	2.32469E-03	.00000E+00
22	2.73706E-04	1.39418E-03	1.82750E-08	1.32252E-03	1.39512E-03	1.82750E-08
23	1.51159E-04	1.17844E-03	1.34975E-08	1.08950E-03	1.18645E-03	1.34975E-08
24	2.94000E-04	1.02229E-03	5.83279E-08	9.40189E-04	1.02164E-03	5.83279E-08
25	4.98004E-04	9.27791E-04	5.18403E-08	8.52189E-04	9.14232E-04	5.18403E-08
26	4.52197E-04	1.03505E-03	5.69803E-08	1.00673E-03	8.34914E-04	5.69803E-08
27	4.14669E-04	1.10350E-03	8.59616E-08	1.10738E-03	8.62750E-04	8.59616E-08
28	4.15634E-04	1.85848E-03	8.14431E-08	1.66314E-03	1.94179E-03	8.14431E-08

29	3.67646E-04	2.05567E-03	9.20925E-08	1.92449E-03	2.01304E-03	9.20925E-08
30	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 31 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 27

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	9.15799E-04	1.17745E-03	5.53497E-08	1.47748E-03	1.06500E-03	5.53497E-08
2	3.51935E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.84725E-02	4.95660E-01	2.29397E-04	5.92333E-01	4.41574E-01	2.29397E-04
4	8.68586E-02	4.70844E-01	1.66307E-04	5.38691E-01	4.28667E-01	1.66307E-04
5	1.05752E-02	2.03906E-02	5.50546E-05	2.59212E-02	1.53146E-02	5.50546E-05
6	4.22074E-05	9.46556E-05	.00000E+00	5.71557E-05	4.21789E-05	.00000E+00
7	4.68825E-06	2.71405E-06	.00000E+00	3.35567E-06	.00000E+00	.00000E+00
8	8.45224E-06	1.42937E-05	.00000E+00	1.76728E-05	.00000E+00	.00000E+00
9	4.83577E-06	3.17971E-05	.00000E+00	3.93143E-05	.00000E+00	.00000E+00
10	2.35363E-06	4.22970E-05	.00000E+00	5.23046E-05	.00000E+00	.00000E+00
11	3.62066E-04	4.64590E-05	.00000E+00	1.48733E-04	.00000E+00	.00000E+00
12	8.30372E-05	2.36619E-03	.00000E+00	1.09818E-03	3.46158E-03	.00000E+00
13	3.28323E-04	4.50833E-05	.00000E+00	1.09453E-04	4.41782E-06	.00000E+00
14	1.10632E-04	1.35583E-03	.00000E+00	2.73464E-03	8.56210E-06	.00000E+00
15	1.43918E-04	3.78408E-05	.00000E+00	5.55019E-05	4.52623E-06	.00000E+00
16	1.08211E-04	1.49785E-04	.00000E+00	1.27221E-04	1.36938E-04	.00000E+00
17	1.83982E-04	9.48975E-05	.00000E+00	6.79056E-05	9.43595E-05	.00000E+00
18	6.17414E-06	7.17371E-05	.00000E+00	6.82726E-05	2.49567E-05	.00000E+00
19	1.07406E-04	5.14550E-05	.00000E+00	5.84884E-05	1.72196E-05	.00000E+00
20	4.06049E-05	1.50720E-04	2.26432E-09	2.87316E-04	8.89128E-06	2.26432E-09
21	5.14332E-05	5.65104E-04	.00000E+00	7.10443E-04	4.44283E-04	.00000E+00
22	1.84357E-04	1.04121E-03	.00000E+00	1.01487E-03	1.16600E-03	.00000E+00
23	9.83311E-05	6.54637E-04	2.01560E-09	6.51721E-04	6.27915E-04	2.01560E-09
24	6.09262E-05	5.98399E-04	4.84744E-09	5.59678E-04	5.91653E-04	4.84744E-09
25	1.58940E-04	5.19458E-04	1.98253E-08	4.83760E-04	5.10341E-04	1.98253E-08
26	2.32383E-04	4.75187E-04	2.14381E-08	4.40977E-04	4.60063E-04	2.14381E-08
27	1.97972E-04	5.43597E-04	2.31922E-08	5.35741E-04	4.19705E-04	2.31922E-08
28	1.85141E-04	5.64366E-04	4.16917E-08	5.65008E-04	4.43450E-04	4.16917E-08
29	1.93499E-04	9.61732E-04	3.87288E-08	8.59391E-04	1.00439E-03	3.87288E-08
30	1.70536E-04	1.04631E-03	4.26797E-08	9.89528E-04	1.00503E-03	4.26797E-08
31	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 32 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 28

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	1.36810E-03	1.09825E-03	5.92824E-08	1.68999E-03	7.90323E-04	5.92824E-08
2	3.60501E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.04552E-01	4.66146E-01	2.63530E-04	6.09749E-01	3.61252E-01	2.63530E-04
4	9.20414E-02	4.34060E-01	1.88496E-04	5.76108E-01	3.26803E-01	1.88496E-04
5	1.00472E-02	2.36366E-02	6.30351E-05	5.21620E-02	1.18395E-02	6.30351E-05
6	7.97344E-05	1.40527E-05	.00000E+00	7.23964E-06	6.26915E-06	.00000E+00
7	1.25573E-05	2.47753E-05	.00000E+00	2.05234E-05	9.31359E-06	.00000E+00
8	4.18215E-06	2.75806E-05	.00000E+00	3.41009E-05	.00000E+00	.00000E+00
9	1.56433E-06	2.81373E-05	.00000E+00	3.47892E-05	.00000E+00	.00000E+00
10	2.46779E-06	1.65563E-05	.00000E+00	2.04703E-05	.00000E+00	.00000E+00
11	2.87781E-05	2.16618E-05	.00000E+00	3.90645E-05	.00000E+00	.00000E+00
12	7.88736E-05	2.32115E-05	.00000E+00	4.07468E-05	.00000E+00	.00000E+00
13	2.13126E-05	1.31180E-03	.00000E+00	6.06391E-04	1.92437E-03	.00000E+00
14	1.24637E-04	1.77576E-05	.00000E+00	4.51293E-05	1.47413E-06	.00000E+00
15	5.13117E-05	7.92486E-04	.00000E+00	1.61073E-03	3.64696E-06	.00000E+00
16	7.78633E-05	2.13729E-05	.00000E+00	2.07339E-05	4.00489E-06	.00000E+00
17	4.33714E-05	5.76201E-05	.00000E+00	4.90243E-05	6.12569E-05	.00000E+00
18	1.51864E-05	2.13299E-05	.00000E+00	1.98343E-05	6.64965E-06	.00000E+00
19	6.61617E-05	3.23281E-05	.00000E+00	2.90651E-05	1.28203E-05	.00000E+00
20	4.28012E-05	3.35455E-05	.00000E+00	4.52919E-05	4.55446E-06	.00000E+00
21	8.54345E-06	5.06369E-05	1.03646E-10	1.01887E-04	3.33212E-06	1.03646E-10

22	3.24475E-05	2.55427E-04	.00000E+00	3.81984E-04	1.67617E-04	.00000E+00
23	6.21337E-05	4.28827E-04	.00000E+00	4.04093E-04	4.89537E-04	.00000E+00
24	3.95004E-05	3.24931E-04	1.46924E-10	3.30826E-04	3.01630E-04	1.46924E-10
25	2.28008E-05	2.80688E-04	1.98319E-09	2.66234E-04	2.70667E-04	1.98319E-09
26	7.28490E-05	2.42630E-04	6.88743E-09	2.29001E-04	2.33528E-04	6.88743E-09
27	1.07165E-04	2.18066E-04	8.50369E-09	2.06665E-04	2.04960E-04	8.50369E-09
28	9.16853E-05	2.53317E-04	1.26910E-08	2.53880E-04	1.87091E-04	1.26910E-08
29	8.57571E-05	2.60201E-04	2.75893E-08	2.64345E-04	2.01325E-04	2.75893E-08
30	8.99143E-05	4.47459E-04	2.14666E-08	4.07906E-04	4.54878E-04	2.14666E-08
31	7.89413E-05	4.53832E-04	2.13371E-08	4.39427E-04	4.28115E-04	2.13371E-08
32	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 33 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 29

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	1.71569E-03	2.04092E-03	6.71601E-08	3.57371E-03	1.47149E-03	6.71601E-08
2	3.77236E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.00730E-01	6.21479E-01	2.91657E-04	6.35465E-01	6.96113E-01	2.91657E-04
4	8.04873E-02	5.01264E-01	1.33705E-04	5.16900E-01	5.53921E-01	1.33705E-04
5	1.07542E-02	3.09655E-02	7.39245E-05	3.19301E-02	3.35782E-02	7.39245E-05
6	3.29096E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	1.16539E-06	1.09027E-05	.00000E+00	5.61683E-06	4.86389E-06	.00000E+00
8	2.32728E-06	1.56711E-08	.00000E+00	1.55210E-06	.00000E+00	.00000E+00
9	1.27850E-06	3.90363E-07	.00000E+00	4.82649E-07	.00000E+00	.00000E+00
10	1.71675E-07	2.05584E-06	.00000E+00	2.54185E-06	.00000E+00	.00000E+00
11	6.67639E-07	4.53668E-06	.00000E+00	5.60919E-06	.00000E+00	.00000E+00
12	9.90696E-06	5.89822E-06	.00000E+00	1.13214E-05	.00000E+00	.00000E+00
13	1.04815E-05	6.24884E-06	.00000E+00	7.72612E-06	.00000E+00	.00000E+00
14	8.28969E-06	3.87450E-04	.00000E+00	1.78560E-04	5.69396E-04	.00000E+00
15	2.88200E-05	4.54942E-06	.00000E+00	1.21416E-05	4.65851E-07	.00000E+00
16	1.42941E-05	2.52498E-04	.00000E+00	5.14593E-04	5.71149E-07	.00000E+00
17	1.87873E-05	6.91584E-06	.00000E+00	6.18584E-06	1.62434E-06	.00000E+00
18	8.68675E-06	1.22395E-05	.00000E+00	1.09620E-05	1.37905E-05	.00000E+00
19	2.79691E-06	6.51730E-06	.00000E+00	5.75798E-06	2.28952E-06	.00000E+00
20	1.89199E-05	6.48019E-06	.00000E+00	6.14181E-06	2.51858E-06	.00000E+00
21	5.87063E-06	1.95740E-05	.00000E+00	2.57246E-05	8.82230E-07	.00000E+00
22	1.90849E-06	6.70312E-06	1.41411E-12	1.82263E-05	6.35188E-07	1.41411E-12
23	9.24219E-06	6.73757E-05	.00000E+00	1.14965E-04	3.89375E-05	.00000E+00
24	1.34081E-05	1.04947E-04	.00000E+00	9.27037E-05	1.22967E-04	.00000E+00
25	9.30028E-06	9.75617E-05	2.06513E-11	1.02279E-04	8.74068E-05	2.06513E-11
26	5.25817E-06	9.36154E-05	5.10117E-10	8.91172E-05	8.99249E-05	5.10117E-10
27	1.99011E-05	8.15757E-05	1.58676E-09	7.72426E-05	7.84090E-05	1.58676E-09
28	2.94322E-05	7.37989E-05	2.12262E-09	6.96228E-05	6.98257E-05	2.12262E-09
29	2.52782E-05	8.18723E-05	3.81044E-09	8.08725E-05	6.36855E-05	3.81044E-09
30	2.41633E-05	8.31294E-05	6.62398E-09	8.20818E-05	6.84898E-05	6.62398E-09
31	2.58787E-05	1.46592E-04	5.22429E-09	1.30417E-04	1.54164E-04	5.22429E-09
32	2.25925E-05	1.51000E-04	4.97520E-09	1.44561E-04	1.45732E-04	4.97520E-09
33	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 34 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 30

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	1.93888E-03	1.98126E-03	7.45488E-08	2.59014E-03	1.60176E-03	7.45488E-08
2	3.89977E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.01091E-01	2.18009E+00	3.10094E-04	1.43596E+00	2.97107E+00	3.10094E-04
4	7.72533E-02	1.94836E+00	1.18526E-04	1.23985E+00	2.68321E+00	1.18526E-04
5	1.78784E-02	1.18014E-01	1.44041E-04	1.14897E-01	1.40317E-01	1.44041E-04
6	1.51624E-06	1.87979E-05	1.04822E-06	1.77829E-05	7.52855E-05	1.04822E-06
7	1.98491E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	1.37146E-06	6.13267E-06	.00000E+00	3.15942E-06	2.73589E-06	.00000E+00
9	3.25608E-07	8.58450E-09	.00000E+00	8.18713E-07	.00000E+00	.00000E+00
10	7.03445E-07	2.13841E-07	.00000E+00	2.64395E-07	.00000E+00	.00000E+00

11	6.81342E-08	1.12616E-06	.00000E+00	1.39239E-06	.00000E+00	.00000E+00
12	3.57847E-07	2.48282E-06	.00000E+00	3.06979E-06	.00000E+00	.00000E+00
13	4.91154E-06	3.21939E-06	.00000E+00	6.07826E-06	.00000E+00	.00000E+00
14	5.46896E-06	3.39581E-06	.00000E+00	4.19861E-06	.00000E+00	.00000E+00
15	1.19586E-05	2.95641E-04	.00000E+00	1.35627E-04	4.36289E-04	.00000E+00
16	9.94544E-06	2.50943E-06	.00000E+00	6.57170E-06	3.04994E-07	.00000E+00
17	7.20847E-06	1.47860E-04	.00000E+00	3.07992E-04	1.45797E-07	.00000E+00
18	9.56728E-06	5.46964E-06	.00000E+00	4.63665E-06	1.52961E-06	.00000E+00
19	4.13952E-06	6.25906E-06	.00000E+00	5.57673E-06	7.05028E-06	.00000E+00
20	3.18458E-06	3.86997E-06	.00000E+00	3.34662E-06	1.42832E-06	.00000E+00
21	2.31565E-07	1.86555E-06	.00000E+00	1.83809E-06	5.27600E-07	.00000E+00
22	2.81905E-06	1.08258E-05	.00000E+00	1.41790E-05	4.99316E-07	.00000E+00
23	9.97546E-07	4.78887E-06	6.67835E-13	1.12657E-05	4.18739E-07	6.67835E-13
24	4.73322E-06	3.29044E-05	.00000E+00	5.76876E-05	1.97994E-05	.00000E+00
25	6.95699E-06	5.68579E-05	.00000E+00	5.15299E-05	6.61946E-05	.00000E+00
26	4.68146E-06	5.65494E-05	7.58369E-12	6.00060E-05	4.95878E-05	7.58369E-12
27	2.67792E-06	5.66102E-05	2.82543E-10	5.38511E-05	5.44421E-05	2.82543E-10
28	1.12664E-05	4.90027E-05	8.06710E-10	4.73837E-05	4.61645E-05	8.06710E-10
29	1.67109E-05	4.64517E-05	1.13785E-09	4.37642E-05	4.40137E-05	1.13785E-09
30	1.43709E-05	4.99879E-05	1.41363E-09	4.91817E-05	3.97340E-05	1.41363E-09
31	1.34620E-05	5.08116E-05	3.26752E-09	4.89785E-05	4.33592E-05	3.26752E-09
32	1.42503E-05	8.86400E-05	2.42128E-09	7.73039E-05	9.45024E-05	2.42128E-09
33	1.24990E-05	9.20279E-05	2.81537E-09	8.70989E-05	9.05031E-05	2.81537E-09
34	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 35 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 31

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	1.99222E-03	6.93721E-04	7.84687E-08	1.08148E-03	4.12403E-04	7.84687E-08
2	3.91935E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.01569E-01	2.43755E-01	3.19711E-04	6.73173E-01	5.86270E-02	3.19711E-04
4	6.19868E-02	1.36089E-01	4.77620E-05	3.61133E-01	4.46441E-02	4.77620E-05
5	1.30288E-02	2.28462E-01	8.19749E-05	1.92837E-01	2.84369E-01	8.19749E-05
6	6.45966E-04	1.47242E-04	1.35358E-05	7.58875E-05	3.21277E-04	1.35358E-05
7	4.33729E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	5.98352E-05	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	4.09652E-07	1.71325E-06	.00000E+00	8.82631E-07	7.64313E-07	.00000E+00
10	9.37292E-08	2.51419E-09	.00000E+00	2.32272E-07	.00000E+00	.00000E+00
11	2.05092E-07	6.26297E-08	.00000E+00	7.74360E-08	.00000E+00	.00000E+00
12	3.84320E-08	3.29836E-07	.00000E+00	4.07813E-07	.00000E+00	.00000E+00
13	8.32402E-08	7.26870E-07	.00000E+00	8.98709E-07	.00000E+00	.00000E+00
14	1.36121E-06	9.41380E-07	.00000E+00	1.78158E-06	.00000E+00	.00000E+00
15	1.57207E-06	9.91059E-07	.00000E+00	1.22535E-06	.00000E+00	.00000E+00
16	3.43910E-06	1.19074E-04	.00000E+00	5.47443E-05	1.76208E-04	.00000E+00
17	2.92204E-06	7.23519E-07	.00000E+00	1.60880E-06	8.96823E-08	.00000E+00
18	2.05536E-06	4.48880E-05	.00000E+00	9.54370E-05	3.45192E-08	.00000E+00
19	2.70685E-06	2.03880E-06	.00000E+00	1.68139E-06	6.10460E-07	.00000E+00
20	1.13326E-06	1.77822E-06	.00000E+00	1.57207E-06	2.00239E-06	.00000E+00
21	9.04677E-07	1.19451E-06	.00000E+00	1.00983E-06	4.51101E-07	.00000E+00
22	8.65390E-08	3.15528E-07	.00000E+00	3.97782E-07	3.51255E-08	.00000E+00
23	7.78175E-07	3.12135E-06	.00000E+00	4.08981E-06	1.62277E-07	.00000E+00
24	2.86199E-07	1.97169E-06	1.80162E-13	3.78044E-06	5.32338E-07	1.80162E-13
25	1.34328E-06	8.70002E-06	.00000E+00	1.58929E-05	5.17673E-06	.00000E+00
26	2.08301E-06	1.66898E-05	.00000E+00	1.53881E-05	1.93274E-05	.00000E+00
27	1.23518E-06	1.69809E-05	1.66565E-12	1.81740E-05	1.46186E-05	1.66565E-12
28	7.57866E-07	1.52830E-05	8.49914E-11	1.46444E-05	1.44498E-05	8.49914E-11
29	3.37628E-06	1.33483E-05	2.28571E-10	1.28135E-05	1.25598E-05	2.28571E-10
30	5.02027E-06	1.22124E-05	3.33728E-10	1.16345E-05	1.13430E-05	3.33728E-10
31	4.32682E-06	1.35166E-05	4.24327E-10	1.33888E-05	1.04480E-05	4.24327E-10
32	3.97546E-06	1.36521E-05	1.00271E-09	1.33780E-05	1.13048E-05	1.00271E-09
33	4.14247E-06	2.38727E-05	7.25629E-10	2.14071E-05	2.45797E-05	7.25629E-10

34	3.65380E-06	2.46247E-05	8.54966E-10	2.36025E-05	2.36118E-05	8.54966E-10
35	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 36 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 32

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.06598E-03	1.91826E-03	8.06773E-08	1.88750E-03	1.46184E-03	8.06773E-08
2	3.92282E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.05310E-01	2.91227E-01	3.25069E-04	7.99976E-01	5.96360E-02	3.25069E-04
4	7.10552E-02	1.83970E-01	6.43589E-05	5.05400E-01	3.04886E-02	6.43589E-05
5	2.45662E-02	1.05366E-01	1.19379E-04	3.10301E-01	1.12841E-02	1.19379E-04
6	7.19584E-03	9.26895E-04	8.03934E-05	4.81962E-04	1.15566E-03	8.03934E-05
7	1.54631E-06	1.36763E-05	3.03841E-07	1.92803E-05	8.16251E-05	3.03841E-07
8	8.08775E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	6.23111E-05	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
10	5.16611E-07	1.93874E-06	.00000E+00	1.00251E-06	8.64905E-07	.00000E+00
11	1.06705E-07	2.87981E-09	.00000E+00	2.59408E-07	.00000E+00	.00000E+00
12	2.44688E-07	7.17361E-08	.00000E+00	8.86951E-08	.00000E+00	.00000E+00
13	5.29130E-08	3.77792E-07	.00000E+00	4.67105E-07	.00000E+00	.00000E+00
14	8.62715E-08	8.32365E-07	.00000E+00	1.02914E-06	.00000E+00	.00000E+00
15	1.57849E-06	1.07719E-06	.00000E+00	2.04170E-06	.00000E+00	.00000E+00
16	1.77577E-06	1.13266E-06	.00000E+00	1.40043E-06	.00000E+00	.00000E+00
17	3.86076E-06	1.41550E-04	.00000E+00	6.53671E-05	2.09531E-04	.00000E+00
18	3.29632E-06	8.16229E-07	.00000E+00	1.56168E-06	1.01039E-07	.00000E+00
19	2.31439E-06	5.17128E-05	.00000E+00	1.11511E-04	3.79011E-08	.00000E+00
20	3.02935E-06	2.64115E-06	.00000E+00	2.15240E-06	8.13023E-07	.00000E+00
21	1.25472E-06	1.99758E-06	.00000E+00	1.75600E-06	2.24882E-06	.00000E+00
22	1.01350E-06	1.38414E-06	.00000E+00	1.15633E-06	5.25275E-07	.00000E+00
23	2.38583E-07	3.41891E-07	.00000E+00	4.66183E-07	3.41494E-08	.00000E+00
24	8.41880E-07	3.54228E-06	.00000E+00	4.64318E-06	1.98128E-07	.00000E+00
25	3.21820E-07	2.78360E-06	1.95967E-13	4.71515E-06	1.08653E-06	1.95967E-13
26	1.50695E-06	9.32175E-06	.00000E+00	1.77148E-05	5.41258E-06	.00000E+00
27	2.40200E-06	1.89416E-05	.00000E+00	1.75258E-05	2.19130E-05	.00000E+00
28	1.32971E-06	1.93464E-05	1.56234E-12	2.08583E-05	1.63735E-05	1.56234E-12
29	8.48517E-07	1.55030E-05	9.90562E-11	1.49719E-05	1.43610E-05	9.90562E-11
30	3.86384E-06	1.37879E-05	2.56623E-10	1.29976E-05	1.30252E-05	2.56623E-10
31	5.77251E-06	1.11976E-05	3.82523E-10	1.07932E-05	1.01391E-05	3.82523E-10
32	4.99552E-06	1.30813E-05	4.93627E-10	1.31105E-05	9.56976E-06	4.93627E-10
33	4.70419E-06	1.31403E-05	1.18165E-09	1.36897E-05	9.86779E-06	1.18165E-09
34	4.98450E-06	2.42145E-05	8.42497E-10	2.28818E-05	2.33793E-05	8.42497E-10
35	4.35806E-06	2.33865E-05	1.00138E-09	2.32742E-05	2.10471E-05	1.00138E-09
36	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 37 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 33

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.35389E-03	1.01722E-03	8.85087E-08	2.68550E-03	1.47616E-04	8.85087E-08
2	4.24624E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.13230E-01	7.87313E-01	3.41074E-04	2.34605E+00	1.95858E-01	3.41074E-04
4	9.89171E-02	6.25134E-01	2.16045E-04	1.81754E+00	1.70660E-01	2.16045E-04
5	3.21785E-02	1.05336E-01	2.60629E-04	2.92678E-01	2.76852E-02	2.60629E-04
6	1.30260E-02	1.60955E-03	1.52493E-04	6.73617E-04	2.28587E-03	1.52493E-04
7	1.67512E-03	3.13076E-04	2.91276E-05	1.61434E-04	6.83445E-04	2.91276E-05
8	4.64378E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	1.81648E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
10	9.59257E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
11	1.30299E-06	4.45825E-06	.00000E+00	2.69364E-06	1.98890E-06	.00000E+00
12	2.39097E-07	6.40518E-09	.00000E+00	2.13327E-07	.00000E+00	.00000E+00
13	5.96971E-07	1.59550E-07	.00000E+00	1.97269E-07	.00000E+00	.00000E+00
14	1.36514E-07	8.40262E-07	.00000E+00	1.03891E-06	.00000E+00	.00000E+00
15	2.15499E-07	1.85053E-06	.00000E+00	2.28801E-06	.00000E+00	.00000E+00
16	3.68174E-06	2.39219E-06	.00000E+00	4.68425E-06	.00000E+00	.00000E+00

17	4.35513E-06	2.51072E-06	.00000E+00	3.10428E-06	.00000E+00	.00000E+00
18	9.33644E-06	3.42193E-04	.00000E+00	1.59309E-04	5.06837E-04	.00000E+00
19	7.89212E-06	1.82790E-06	.00000E+00	2.48620E-06	2.43198E-07	.00000E+00
20	5.63792E-06	1.29868E-04	.00000E+00	2.89229E-04	9.04129E-08	.00000E+00
21	7.20473E-06	8.41975E-06	.00000E+00	6.57676E-06	2.74236E-06	.00000E+00
22	2.99605E-06	4.71638E-06	.00000E+00	4.19576E-06	5.38462E-06	.00000E+00
23	2.43001E-06	3.54539E-06	.00000E+00	2.84472E-06	1.38577E-06	.00000E+00
24	1.68039E-06	6.84687E-07	.00000E+00	1.17368E-06	5.42711E-08	.00000E+00
25	1.81704E-06	8.65851E-06	.00000E+00	1.13694E-05	5.75546E-07	.00000E+00
26	7.85473E-07	1.01992E-05	4.31933E-13	1.41053E-05	5.72651E-06	4.31933E-13
27	3.60417E-06	1.96460E-05	.00000E+00	4.21140E-05	1.04944E-05	.00000E+00
28	5.76294E-06	4.62566E-05	.00000E+00	4.30808E-05	5.34631E-05	.00000E+00
29	3.16363E-06	5.04012E-05	2.15541E-12	5.51666E-05	4.14545E-05	2.15541E-12
30	1.99142E-06	4.08847E-05	2.62190E-10	3.93717E-05	3.78738E-05	2.62190E-10
31	1.05042E-05	3.57816E-05	6.16447E-10	3.48763E-05	3.26658E-05	6.16447E-10
32	1.57193E-05	4.64686E-05	9.65944E-10	4.89017E-05	2.84330E-05	9.65944E-10
33	1.35821E-05	3.46225E-05	1.29797E-09	3.47028E-05	2.59236E-05	1.29797E-09
34	1.28954E-05	3.57229E-05	3.20374E-09	3.60641E-05	2.85246E-05	3.20374E-09
35	1.38174E-05	6.38937E-05	2.20315E-09	5.94821E-05	6.17187E-05	2.20315E-09
36	1.20010E-05	6.15575E-05	2.67851E-09	6.00112E-05	5.71819E-05	2.67851E-09
37	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 38 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 34

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	2.85086E-03	1.14575E-03	1.18262E-07	3.02793E-03	1.01757E-04	1.18262E-07
2	4.89919E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.06496E-01	4.30291E-01	3.76170E-04	5.98392E-01	3.67737E-01	3.76170E-04
4	9.70058E-02	3.99268E-01	3.05661E-04	5.64116E-01	3.43291E-01	3.05661E-04
5	1.19607E-02	1.61166E-01	1.24940E-04	5.25829E-01	2.50504E-02	1.24940E-04
6	1.16194E-05	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	5.81949E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	3.97823E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	1.47455E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
10	1.41017E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
11	5.58065E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
12	9.82746E-07	3.14168E-06	.00000E+00	2.09110E-06	1.40156E-06	.00000E+00
13	1.50392E-07	1.43110E-09	.00000E+00	1.76943E-09	.00000E+00	.00000E+00
14	4.00969E-07	3.56492E-08	.00000E+00	4.40770E-08	.00000E+00	.00000E+00
15	1.09802E-07	1.87743E-07	.00000E+00	2.32127E-07	.00000E+00	.00000E+00
16	1.67067E-07	4.13461E-07	.00000E+00	5.11207E-07	.00000E+00	.00000E+00
17	2.57006E-06	5.34403E-07	.00000E+00	1.87660E-06	.00000E+00	.00000E+00
18	3.02400E-06	5.60749E-07	.00000E+00	6.93315E-07	.00000E+00	.00000E+00
19	6.90033E-06	1.27474E-03	.00000E+00	5.75816E-04	1.89915E-03	.00000E+00
20	5.51226E-06	6.70402E-07	.00000E+00	8.70538E-07	1.70589E-07	.00000E+00
21	4.13604E-06	9.57367E-05	.00000E+00	2.20677E-04	7.00702E-08	.00000E+00
22	4.96824E-06	9.49210E-06	.00000E+00	6.84648E-06	3.37961E-06	.00000E+00
23	2.09771E-06	3.01919E-06	.00000E+00	2.78598E-06	3.78927E-06	.00000E+00
24	1.69680E-06	2.65454E-06	.00000E+00	1.89102E-06	1.16329E-06	.00000E+00
25	2.35279E-06	2.08063E-07	.00000E+00	7.12401E-07	3.90670E-08	.00000E+00
26	1.15149E-06	5.99172E-06	.00000E+00	7.93189E-06	4.65409E-07	.00000E+00
27	5.41863E-07	1.07383E-05	2.45145E-13	1.18418E-05	8.75857E-06	2.45145E-13
28	2.47269E-06	1.23387E-05	.00000E+00	3.38365E-05	3.97779E-06	.00000E+00
29	3.99309E-06	3.34727E-05	.00000E+00	3.18017E-05	3.87808E-05	.00000E+00
30	2.17304E-06	4.66071E-05	1.60162E-13	5.59492E-05	3.36936E-05	1.60162E-13
31	1.24522E-06	4.56437E-05	2.39746E-10	4.43823E-05	4.25433E-05	2.39746E-10
32	1.03948E-05	4.00228E-05	4.46785E-10	3.95107E-05	3.67352E-05	4.46785E-10
33	1.36262E-05	3.52820E-05	7.60705E-10	3.41293E-05	3.26244E-05	7.60705E-10
34	1.20891E-05	3.36648E-05	1.14637E-09	3.25850E-05	2.97565E-05	1.14637E-09
35	1.02596E-05	3.57577E-05	2.46705E-09	3.49677E-05	3.26470E-05	2.46705E-09
36	1.01668E-05	6.95104E-05	2.05617E-09	6.34565E-05	7.03863E-05	2.05617E-09

37	8.96735E-06	6.67629E-05	2.47721E-09	6.42786E-05	6.57589E-05	2.47721E-09
38	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 39 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 35

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	4.07859E-03	9.34193E-04	1.75538E-07	1.73394E-03	1.45881E-04	1.75538E-07
2	6.19238E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.22745E-01	5.47885E-01	4.10508E-04	7.48933E-01	5.01660E-01	4.10508E-04
4	1.12981E-01	5.18546E-01	3.37642E-04	7.10044E-01	4.75545E-01	3.37642E-04
5	6.63422E-03	2.98768E-02	7.03907E-05	3.12465E-02	2.43419E-02	7.03907E-05
6	2.12015E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 8 THRU POS. 9 SAME AS ABOVE					
10	2.17370E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
11	4.17792E-05	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
12	6.68702E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
13	2.17761E-07	8.07193E-07	.00000E+00	5.39176E-07	3.60103E-07	.00000E+00
14	3.43716E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	7.81868E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	2.82557E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	5.15327E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	9.76557E-07	.00000E+00	.00000E+00	2.75330E-07	.00000E+00	.00000E+00
19	4.34477E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	1.56103E-06	3.19226E-04	.00000E+00	1.44031E-04	4.75769E-04	.00000E+00
21	1.23697E-06	8.74536E-08	.00000E+00	1.36915E-07	3.86729E-08	.00000E+00
22	1.04653E-06	2.19164E-05	.00000E+00	5.07501E-05	1.64605E-08	.00000E+00
23	1.11301E-06	3.36165E-06	.00000E+00	2.35892E-06	1.22204E-06	.00000E+00
24	4.71563E-07	6.58236E-07	.00000E+00	6.17400E-07	8.66475E-07	.00000E+00
25	3.83067E-07	6.34288E-07	.00000E+00	4.24518E-07	2.90364E-07	.00000E+00
26	9.33066E-07	5.61356E-08	.00000E+00	1.48931E-07	2.50431E-08	.00000E+00
27	2.65530E-07	1.34456E-06	.00000E+00	1.80118E-06	1.02891E-07	.00000E+00
28	1.17538E-07	2.60558E-06	.00000E+00	2.77086E-06	2.24461E-06	.00000E+00
29	5.32408E-07	3.25073E-06	.00000E+00	9.55631E-06	8.83143E-07	.00000E+00
30	8.74641E-07	8.48670E-06	.00000E+00	9.00891E-06	9.65828E-06	.00000E+00
31	4.64865E-07	1.79372E-05	.00000E+00	2.43082E-05	1.03522E-05	.00000E+00
32	2.50300E-07	2.12738E-05	8.06923E-11	2.07706E-05	1.99752E-05	8.06923E-11
33	1.00079E-05	1.86103E-05	1.20471E-10	1.84677E-05	1.72300E-05	1.20471E-10
34	3.75219E-06	1.63440E-05	2.04062E-10	1.58780E-05	1.52957E-05	2.04062E-10
35	3.30689E-06	1.50292E-05	3.71228E-10	1.44413E-05	1.39602E-05	3.71228E-10
36	3.58048E-06	1.59956E-05	8.18534E-10	1.56402E-05	1.52478E-05	8.18534E-10
37	4.30711E-06	3.19717E-05	6.79131E-10	2.91930E-05	3.30041E-05	6.79131E-10
38	3.76280E-06	3.08247E-05	8.64785E-10	2.97384E-05	3.08685E-05	8.64785E-10
39	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 40 THRU POS. 70 SAME AS ABOVE					

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 36

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	6.42976E-03	3.99151E-03	2.64388E-07	5.60893E-03	5.76966E-04	2.64388E-07
2	9.28897E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.40958E-01	1.06070E+00	4.32340E-04	1.19285E+00	8.08691E-01	4.32340E-04
4	1.26822E-01	1.01504E+00	3.45354E-04	1.13373E+00	7.69569E-01	3.45354E-04
5	5.68463E-03	2.84108E-02	7.26936E-05	3.71707E-02	2.59708E-02	7.26936E-05
6	3.72909E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	1.70869E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 9 THRU POS. 10 SAME AS ABOVE					
11	5.23924E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
12	9.80163E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
13	1.64294E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
14	5.00351E-08	1.86755E-07	.00000E+00	1.27457E-07	8.33147E-08	.00000E+00
15	8.05663E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

16	1.78389E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	1.13516E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	9.24482E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	2.55548E-07	.00000E+00	.00000E+00	6.24266E-08	.00000E+00	.00000E+00
20	1.25267E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	5.80393E-07	6.16976E-05	.00000E+00	2.78596E-05	9.19531E-05	.00000E+00
22	2.83648E-07	4.64206E-08	.00000E+00	3.99643E-08	2.91899E-08	.00000E+00
23	2.71815E-07	7.33388E-06	.00000E+00	1.16826E-05	1.75483E-06	.00000E+00
24	2.56101E-07	6.40565E-06	.00000E+00	7.16198E-07	4.52118E-06	.00000E+00
25	1.11187E-07	5.50167E-06	.00000E+00	1.41650E-07	4.32741E-06	.00000E+00
26	9.43504E-08	7.79880E-07	.00000E+00	1.01219E-07	5.54243E-07	.00000E+00
27	3.79670E-07	1.43551E-08	.00000E+00	3.15101E-08	6.40407E-09	.00000E+00
28	6.60405E-08	3.19374E-07	.00000E+00	4.26944E-07	2.42788E-08	.00000E+00
29	2.96813E-08	6.18606E-07	.00000E+00	6.56438E-07	5.34291E-07	.00000E+00
30	1.14677E-07	8.23060E-07	.00000E+00	2.54038E-06	2.08116E-07	.00000E+00
31	1.91109E-07	2.22107E-06	.00000E+00	2.93083E-06	2.37104E-06	.00000E+00
32	9.75812E-08	7.66998E-06	.00000E+00	1.11139E-05	3.75501E-06	.00000E+00
33	5.03102E-08	9.99395E-06	2.63455E-11	9.77580E-06	9.41118E-06	2.63455E-11
34	4.91758E-06	8.73338E-06	3.72179E-11	8.68920E-06	8.11343E-06	3.72179E-11
35	1.62507E-06	7.66986E-06	5.96415E-11	7.46948E-06	7.20383E-06	5.96415E-11
36	1.43373E-06	7.05459E-06	1.29407E-10	8.22268E-06	6.57410E-06	1.29407E-10
37	1.61935E-06	7.46409E-06	2.84925E-10	1.84392E-05	7.15922E-06	2.84925E-10
38	2.01945E-06	1.49741E-05	2.51569E-10	1.45592E-05	1.55393E-05	2.51569E-10
39	1.82103E-06	1.44766E-05	3.18748E-10	1.39986E-05	1.45402E-05	3.18748E-10
40	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 41 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 37

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	1.15550E-02	1.16611E-02	4.40246E-07	1.06323E-02	1.30483E-02	4.40246E-07
2	1.73019E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.30452E-01	9.07445E-01	4.44985E-04	1.16517E+00	8.49665E-01	4.44985E-04
4	1.15423E-01	8.67790E-01	3.95919E-04	1.12003E+00	8.10121E-01	3.95919E-04
5	7.70395E-03	4.16729E-02	8.67249E-05	5.34889E-02	3.85507E-02	8.67249E-05
6	4.11780E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	1.91456E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 9 THRU POS. 11 SAME AS ABOVE

12	5.04842E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
13	2.47969E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
14	5.14820E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	1.31633E-08	5.03695E-08	.00000E+00	3.46361E-08	2.24707E-08	.00000E+00
16	2.16375E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	4.81265E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	3.23004E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	4.08194E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	9.35794E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	3.29714E-08	.00000E+00	.00000E+00	1.70378E-08	.00000E+00	.00000E+00
22	1.48760E-07	2.02713E-05	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	7.98302E-08	1.09184E-08	.00000E+00	9.14569E-06	3.02117E-05	.00000E+00
24	7.69237E-08	1.91893E-06	.00000E+00	1.10213E-08	6.60935E-09	.00000E+00
25	7.29121E-08	1.51960E-06	.00000E+00	3.33759E-06	3.61963E-07	.00000E+00
26	3.35957E-08	1.14502E-06	.00000E+00	2.85284E-07	1.00439E-06	.00000E+00
27	3.47258E-08	1.73434E-07	.00000E+00	3.96257E-08	9.07733E-07	.00000E+00
28	1.20885E-07	4.15652E-09	.00000E+00	3.03919E-08	1.20016E-07	.00000E+00
29	2.22621E-08	9.35399E-08	.00000E+00	7.47356E-09	1.85430E-09	.00000E+00
30	1.08751E-08	1.83573E-07	.00000E+00	1.24538E-07	7.04589E-09	.00000E+00
31	2.91280E-08	2.43297E-07	.00000E+00	1.95892E-07	1.56013E-07	.00000E+00
32	4.92013E-08	7.75668E-07	.00000E+00	8.08112E-07	6.11740E-08	.00000E+00
33	2.33653E-08	4.64507E-06	.00000E+00	1.39463E-06	7.22386E-07	.00000E+00
34	1.09350E-08	6.36315E-06	1.07418E-11	6.98626E-06	2.03492E-06	.00000E+00
				6.23138E-06	6.00218E-06	1.07418E-11

35	3.13119E-06	5.55664E-06	1.49958E-11	5.53619E-06	5.17288E-06	1.49958E-11
36	1.02956E-06	4.87677E-06	2.66423E-11	4.75594E-06	4.59098E-06	2.66423E-11
37	9.10689E-07	4.48924E-06	6.46972E-11	4.62210E-06	4.19167E-06	6.46972E-11
38	1.02835E-06	4.73292E-06	1.40304E-10	6.95414E-06	4.55665E-06	1.40304E-10
39	1.28407E-06	9.52329E-06	1.25874E-10	8.90579E-06	9.90551E-06	1.25874E-10
40	1.12987E-06	9.21497E-06	1.63022E-10	8.92339E-06	9.27179E-06	1.63022E-10
41	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 42 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 38

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	1.97491E-02	1.45234E-02	7.22433E-07	1.04675E-02	6.29874E-03	7.22433E-07
2	3.02833E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.38904E-01	1.65884E+00	4.50595E-04	1.58940E+00	1.25129E+00	4.50595E-04
4	1.13106E-01	1.59867E+00	3.68080E-04	1.52161E+00	1.19883E+00	3.68080E-04
5	3.47189E-03	2.79894E-02	4.86229E-05	3.45015E-02	2.64940E-02	4.86229E-05
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	1.77045E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 10 THRU POS. 12 SAME AS ABOVE

13	2.10420E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
14	1.61404E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	4.22185E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	8.72983E-10	3.69232E-09	.00000E+00	2.53816E-09	1.64721E-09	.00000E+00
17	1.51028E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	3.35870E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	2.19945E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	6.70748E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	1.28399E-08	.00000E+00	.00000E+00	1.29365E-09	.00000E+00	.00000E+00
22	2.23817E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	9.13413E-09	1.76846E-06	.00000E+00	7.97482E-07	2.63562E-06	.00000E+00
24	6.73583E-09	4.23012E-10	.00000E+00	8.58316E-10	1.85874E-10	.00000E+00
25	6.54091E-09	1.26098E-07	.00000E+00	2.87081E-07	9.52377E-11	.00000E+00
26	6.34424E-09	5.02470E-08	.00000E+00	3.47422E-08	1.82917E-08	.00000E+00
27	3.42758E-09	3.66634E-09	.00000E+00	3.39630E-09	5.16199E-09	.00000E+00
28	4.37679E-09	4.10501E-09	.00000E+00	3.02132E-09	1.87597E-09	.00000E+00
29	5.30548E-09	3.90034E-10	.00000E+00	3.33291E-10	1.74001E-10	.00000E+00
30	2.71758E-09	8.98765E-09	.00000E+00	1.18569E-08	6.65251E-10	.00000E+00
31	1.85917E-09	1.75812E-08	.00000E+00	1.87218E-08	1.49507E-08	.00000E+00
32	3.01211E-09	2.34392E-08	.00000E+00	9.00078E-08	5.89629E-09	.00000E+00
33	4.44292E-09	9.93103E-08	.00000E+00	2.47389E-07	7.30649E-08	.00000E+00
34	2.50856E-09	9.58597E-07	.00000E+00	1.46961E-06	3.93265E-07	.00000E+00
35	5.72041E-08	1.34615E-06	1.68685E-12	1.31899E-06	1.27079E-06	1.68685E-12
36	6.62159E-07	1.17518E-06	1.67877E-12	1.17160E-06	1.09509E-06	1.67877E-12
37	2.17324E-07	1.03099E-06	4.16023E-12	1.00611E-06	9.71630E-07	4.16023E-12
38	1.92527E-07	9.49483E-07	1.12329E-11	9.15748E-07	8.87379E-07	1.12329E-11
39	2.18854E-07	9.99211E-07	2.45469E-11	9.86444E-07	9.63741E-07	2.45469E-11
40	2.70242E-07	2.01357E-06	2.13426E-11	1.84719E-06	2.09673E-06	2.13426E-11
41	2.38969E-07	1.94936E-06	2.84845E-11	1.88890E-06	1.96303E-06	2.84845E-11
42	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 43 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 39

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	7.49143E-02	1.08486E-02	1.05440E-06	1.30722E-02	2.83148E-03	1.05440E-06
2	4.22394E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.82905E-01	9.69160E-01	4.52984E-04	1.25642E+00	9.69101E-01	4.52984E-04
4	2.77456E-01	9.12662E-01	3.69934E-04	1.18566E+00	9.19101E-01	3.69934E-04
5	6.04589E-03	4.56056E-02	8.17937E-05	5.73018E-02	4.61033E-02	8.17937E-05
6	2.55535E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

8	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	4.80014E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 11 THRU POS. 13 SAME AS ABOVE					
14	4.18525E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	3.48434E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	9.48677E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	1.95159E-10	8.66760E-10	.00000E+00	5.97368E-10	3.86677E-10	.00000E+00
18	3.36447E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	7.53960E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	4.83681E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	2.93134E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	5.21425E-09	.00000E+00	.00000E+00	3.27774E-10	.00000E+00	.00000E+00
23	1.05064E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	2.75024E-09	4.97796E-07	.00000E+00	2.24432E-07	7.41879E-07	.00000E+00
25	1.93122E-09	1.10865E-10	.00000E+00	2.30979E-10	4.85081E-11	.00000E+00
26	1.90557E-09	3.71100E-08	.00000E+00	8.38706E-08	2.69927E-11	.00000E+00
27	1.89263E-09	1.35150E-08	.00000E+00	9.34782E-09	4.92141E-09	.00000E+00
28	1.18540E-09	1.09848E-09	.00000E+00	1.00042E-09	1.55696E-09	.00000E+00
29	1.48458E-09	1.25330E-09	.00000E+00	9.51618E-10	5.74040E-10	.00000E+00
30	8.05113E-10	1.20015E-10	.00000E+00	6.18293E-11	5.35410E-11	.00000E+00
31	1.04223E-09	2.80637E-09	.00000E+00	3.68196E-09	2.05408E-10	.00000E+00
32	8.36750E-10	5.41865E-09	.00000E+00	5.75257E-09	4.66079E-09	.00000E+00
33	1.09705E-09	7.32820E-09	.00000E+00	3.17177E-08	1.84232E-09	.00000E+00
34	1.42687E-09	3.80866E-08	.00000E+00	1.10277E-07	2.37071E-08	.00000E+00
35	9.46768E-10	4.49118E-07	.00000E+00	6.92451E-07	1.80601E-07	.00000E+00
36	9.73133E-08	6.35612E-07	6.81617E-13	6.22855E-07	6.00164E-07	6.81617E-13
37	3.11697E-07	5.54811E-07	5.64260E-13	5.53208E-07	5.17129E-07	5.64260E-13
38	1.02311E-07	4.86769E-07	1.70519E-12	4.75084E-07	4.58859E-07	1.70519E-12
39	9.55318E-08	4.48295E-07	4.81878E-12	4.32418E-07	4.19060E-07	4.81878E-12
40	9.47502E-08	4.71520E-07	7.54644E-12	4.65674E-07	4.55032E-07	7.54644E-12
41	1.04734E-07	9.50565E-07	9.04055E-12	8.72217E-07	9.90093E-07	9.04055E-12
42	8.53044E-08	9.20379E-07	1.23185E-11	8.91945E-07	9.27024E-07	1.23185E-11
43	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 44 THRU POS. 70 SAME AS ABOVE					

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 40

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	5.62516E-02	2.64908E-02	1.64334E-06	3.24410E-02	4.48252E-03	1.64334E-06
2	9.33444E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.95661E-01	1.01023E+00	4.54566E-04	1.30417E+00	9.94126E-01	4.54566E-04
4	1.32736E-01	9.49074E-01	3.91443E-04	1.22812E+00	9.53616E-01	3.91443E-04
5	3.05369E-02	4.56243E-02	8.19925E-05	5.76789E-02	4.71333E-02	8.19925E-05
6	4.26993E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 8 THRU POS. 9 SAME AS ABOVE					
10	1.38882E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 12 THRU POS. 14 SAME AS ABOVE					
15	7.21424E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	7.87715E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	2.38426E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	4.85716E-11	2.32049E-10	.00000E+00	1.61973E-10	1.03521E-10	.00000E+00
19	8.30803E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	1.74448E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	1.17376E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	1.58943E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	2.70637E-09	.00000E+00	.00000E+00	1.04684E-10	.00000E+00	.00000E+00
24	5.73573E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	1.08904E-09	1.73170E-07	.00000E+00	7.80643E-08	2.58073E-07	.00000E+00
26	7.30272E-10	3.51978E-11	.00000E+00	7.79294E-11	1.53001E-11	.00000E+00

27	7.27275E-10	1.39158E-08	.00000E+00	3.12102E-08	9.92868E-12	.00000E+00
28	7.43449E-10	5.75782E-09	.00000E+00	3.97862E-09	2.09628E-09	.00000E+00
29	5.36178E-10	4.21502E-10	.00000E+00	3.75920E-10	5.97276E-10	.00000E+00
30	5.96936E-10	4.81539E-10	.00000E+00	3.73472E-10	2.19971E-10	.00000E+00
31	4.43434E-10	4.68083E-11	.00000E+00	2.41146E-11	2.08820E-11	.00000E+00
32	5.10869E-10	1.11066E-09	.00000E+00	1.44965E-09	8.03938E-11	.00000E+00
33	4.50358E-10	2.13415E-09	.00000E+00	2.26362E-09	1.84082E-09	.00000E+00
34	5.15981E-10	2.90170E-09	.00000E+00	1.43639E-08	7.28289E-10	.00000E+00
35	5.85877E-10	1.85983E-08	.00000E+00	6.02284E-08	9.78041E-09	.00000E+00
36	4.24331E-10	2.52899E-07	.00000E+00	3.91280E-07	1.00412E-07	.00000E+00
37	2.82002E-10	3.59642E-07	3.34242E-13	3.52447E-07	3.39617E-07	3.34242E-13
38	1.36827E-07	3.13904E-07	1.95724E-13	3.13020E-07	2.92620E-07	1.95724E-13
39	4.04354E-08	2.75402E-07	8.31924E-13	2.68809E-07	2.59645E-07	8.31924E-13
40	3.31697E-08	2.53645E-07	2.52374E-12	2.44677E-07	2.37131E-07	2.52374E-12
41	3.19406E-08	2.66683E-07	3.52368E-12	2.63429E-07	2.57412E-07	3.52368E-12
42	3.50622E-08	5.37779E-07	4.61636E-12	4.93498E-07	5.60225E-07	4.61636E-12
43	2.85439E-08	5.20675E-07	6.41823E-12	5.04629E-07	5.24481E-07	6.41823E-12
44	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 45 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 41

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	3.20655E-01	9.17424E-03	2.90120E-06	1.08730E-02	8.08506E-03	2.90120E-06
2	1.60976E-02	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	6.55207E-01	9.80875E-01	4.56271E-04	1.26419E+00	1.01109E+00	4.56271E-04
4	3.31140E-01	9.43935E-01	4.04349E-04	1.21844E+00	9.74104E-01	4.04349E-04
5	6.67516E-03	3.46373E-02	6.14804E-05	4.36000E-02	3.59879E-02	6.14804E-05
6	2.40081E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 8 THRU POS. 10 SAME AS ABOVE

11	2.00770E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 13 THRU POS. 15 SAME AS ABOVE

16	1.64379E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	7.55641E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	3.54942E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	7.02853E-12	4.23308E-11	.00000E+00	3.03030E-11	1.88845E-11	.00000E+00
20	1.19315E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	5.81143E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	1.68037E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	6.36846E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	1.05517E-09	.00000E+00	.00000E+00	2.45575E-11	.00000E+00	.00000E+00
25	1.31164E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	2.05923E-10	4.56649E-08	.00000E+00	2.05816E-08	6.80517E-08	.00000E+00
27	1.90350E-10	6.67671E-12	.00000E+00	1.85392E-11	2.86340E-12	.00000E+00
28	1.36241E-10	3.58713E-09	.00000E+00	8.29777E-09	2.72647E-12	.00000E+00
29	1.43299E-10	1.80281E-09	.00000E+00	1.24436E-09	6.56271E-10	.00000E+00
30	1.02221E-10	7.43525E-11	.00000E+00	8.29433E-11	1.02928E-10	.00000E+00
31	1.09443E-10	1.38827E-10	.00000E+00	1.06522E-10	6.33282E-11	.00000E+00
32	9.06658E-11	1.23954E-11	.00000E+00	6.38585E-12	5.52982E-12	.00000E+00
33	9.69237E-11	3.30874E-10	.00000E+00	4.29560E-10	2.36846E-11	.00000E+00
34	9.14778E-11	6.24488E-10	.00000E+00	6.46911E-10	5.45994E-10	.00000E+00
35	1.01291E-10	7.90803E-10	.00000E+00	4.93482E-09	1.26618E-10	.00000E+00
36	1.07311E-10	6.67485E-09	.00000E+00	2.42283E-08	2.76151E-09	.00000E+00
37	8.11193E-11	1.04304E-07	.00000E+00	1.62148E-07	4.06619E-08	.00000E+00
38	6.13014E-11	1.49313E-07	1.28973E-14	1.46333E-07	1.41007E-07	1.28973E-14
39	3.18622E-08	1.30321E-07	3.21045E-14	1.29959E-07	1.21497E-07	3.21045E-14
40	7.55079E-09	1.14328E-07	3.13927E-13	1.11583E-07	1.07803E-07	3.13927E-13
41	6.23707E-09	1.05307E-07	9.19079E-13	1.01587E-07	9.84585E-08	9.19079E-13
42	5.26274E-09	1.11384E-07	1.30010E-12	1.09659E-07	1.07771E-07	1.30010E-12
43	5.12900E-09	2.25273E-07	1.74166E-12	2.07519E-07	2.32500E-07	1.74166E-12

44	4.27295E-09	2.16069E-07	2.50217E-12	2.09449E-07	2.17658E-07	2.50217E-12
45	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 46 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 42

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	6.24515E-01	1.34967E-02	4.73880E-06	1.59853E-02	1.32992E-02	4.73880E-06
2	1.58883E-02	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.43993E-01	9.88664E-01	4.58322E-04	1.27232E+00	1.02081E+00	4.58322E-04
4	1.13805E-01	9.28700E-01	3.71699E-04	1.19799E+00	9.59117E-01	3.71699E-04
5	3.42845E-03	2.77786E-02	4.90223E-05	3.48909E-02	2.89178E-02	4.90223E-05
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 7 THRU POS. 11 SAME AS ABOVE

12	1.39827E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 14 THRU POS. 16 SAME AS ABOVE

17	6.29532E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	5.82790E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	2.57305E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	6.21662E-14	4.67043E-12	.00000E+00	3.43241E-12	2.08356E-12	.00000E+00
21	7.83790E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	1.66575E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	2.61305E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	1.20070E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	1.81154E-10	.00000E+00	.00000E+00	3.42148E-12	.00000E+00	.00000E+00
26	1.31575E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
27	1.61787E-11	7.35068E-09	.00000E+00	3.31162E-09	1.09543E-08	.00000E+00
28	6.93325E-12	.00000E+00	.00000E+00	1.95001E-12	.00000E+00	.00000E+00
29	8.93716E-12	3.63679E-10	.00000E+00	8.34754E-10	1.89726E-13	.00000E+00
30	6.13679E-12	3.11328E-10	.00000E+00	2.14076E-10	1.13324E-10	.00000E+00
31	6.07919E-12	.00000E+00	.00000E+00	5.19880E-12	.00000E+00	.00000E+00
32	6.24910E-12	1.89124E-11	.00000E+00	1.42317E-11	8.71869E-12	.00000E+00
33	6.28488E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
34	6.32363E-12	4.24151E-11	.00000E+00	5.45538E-11	3.01191E-12	.00000E+00
35	6.34381E-12	3.68304E-11	.00000E+00	5.97709E-11	.00000E+00	.00000E+00
36	6.26085E-12	1.08216E-10	.00000E+00	9.20421E-10	.00000E+00	.00000E+00
37	5.70521E-12	1.14102E-09	.00000E+00	4.95477E-09	2.44733E-10	.00000E+00
38	8.31712E-12	2.20241E-08	.00000E+00	3.43288E-08	8.49087E-09	.00000E+00
39	8.04978E-12	3.16340E-08	.00000E+00	3.10030E-08	2.98756E-08	.00000E+00
40	3.64868E-09	2.76099E-08	1.63576E-15	2.75341E-08	2.57411E-08	1.63576E-15
41	5.43369E-10	2.42191E-08	2.81802E-14	2.36352E-08	2.28395E-08	2.81802E-14
42	4.35861E-10	2.22961E-08	1.49596E-13	2.14708E-08	2.08603E-08	1.49596E-13
43	3.66738E-10	2.35921E-08	2.19406E-13	2.32307E-08	2.28054E-08	2.19406E-13
44	3.63980E-10	4.78063E-08	3.52203E-13	4.40646E-08	4.92114E-08	3.52203E-13
45	3.04944E-10	4.57209E-08	4.91797E-13	4.43320E-08	4.60566E-08	4.91797E-13
46	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 47 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 43

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	1.55740E-02	2.10183E-02	7.37817E-06	2.49488E-02	2.07607E-02	7.37817E-06
2	5.81884E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.44994E-02	9.97347E-01	4.61111E-04	1.28229E+00	1.02978E+00	4.61111E-04
4	7.46955E-02	9.42029E-01	3.93290E-04	1.21433E+00	9.73269E-01	3.93290E-04
5	5.66497E-03	4.64605E-02	8.18947E-05	5.83277E-02	4.83870E-02	8.18947E-05
6	2.54459E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 8 THRU POS. 12 SAME AS ABOVE

13	3.47449E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 15 THRU POS. 17 SAME AS ABOVE

18	1.60502E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

19	3.59089E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	7.15372E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	1.34035E-14	1.84105E-12	.00000E+00	1.23017E-12	8.21324E-13	.00000E+00
22	8.30301E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	3.57377E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	3.62704E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	4.48289E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	6.73616E-11	.00000E+00	.00000E+00	1.00957E-12	.00000E+00	.00000E+00
27	4.11359E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
28	3.20291E-12	2.96667E-09	.00000E+00	1.33717E-09	4.42147E-09	.00000E+00
29	1.74105E-12	.00000E+00	.00000E+00	2.58545E-13	.00000E+00	.00000E+00
30	1.49708E-12	1.46463E-10	.00000E+00	3.16739E-10	.00000E+00	.00000E+00
31	1.52414E-12	1.57224E-10	.00000E+00	1.08002E-10	5.71527E-11	.00000E+00
32	1.50978E-12	.00000E+00	.00000E+00	1.41734E-12	.00000E+00	.00000E+00
33	1.55199E-12	7.88762E-12	.00000E+00	6.33715E-12	3.54229E-12	.00000E+00
34	1.56084E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
35	1.56812E-12	.00000E+00	.00000E+00	9.87298E-13	.00000E+00	.00000E+00
36	1.57298E-12	.00000E+00	.00000E+00	5.08075E-12	.00000E+00	.00000E+00
37	1.55485E-12	2.80947E-11	.00000E+00	4.01020E-10	.00000E+00	.00000E+00
38	1.41439E-12	5.89389E-10	.00000E+00	2.76774E-09	6.58241E-11	.00000E+00
39	3.37941E-12	1.24389E-08	.00000E+00	1.94174E-08	4.76540E-09	.00000E+00
40	3.68002E-12	1.79024E-08	.00000E+00	1.75451E-08	1.69074E-08	.00000E+00
41	1.31776E-09	1.56246E-08	.00000E+00	1.55817E-08	1.45672E-08	.00000E+00
42	1.38761E-10	1.37061E-08	9.73319E-15	1.33750E-08	1.29254E-08	9.73319E-15
43	1.09423E-10	1.26153E-08	7.48844E-14	1.21415E-08	1.18055E-08	7.48844E-14
44	9.15441E-11	1.33183E-08	9.65063E-14	1.31091E-08	1.28781E-08	9.65063E-14
45	9.19042E-11	2.70136E-08	1.71138E-13	2.48884E-08	2.78085E-08	1.71138E-13
46	7.39882E-11	2.57895E-08	2.70492E-13	2.50237E-08	2.59673E-08	2.70492E-13
47	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 48 THRU POS. 70 SAME AS ABOVE					

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 44

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	3.41906E-01	3.23725E-02	1.13553E-05	3.84655E-02	3.19971E-02	1.13553E-05
2	6.10013E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.48357E-01	1.00924E+00	4.65297E-04	1.29631E+00	1.04169E+00	4.65297E-04
4	1.00764E-01	9.34498E-01	3.77965E-04	1.20451E+00	9.65658E-01	3.77965E-04
5	4.22916E-03	3.42804E-02	6.04280E-05	4.30215E-02	3.57115E-02	6.04280E-05
6	2.39581E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 8 THRU POS. 13 SAME AS ABOVE					
14	4.23676E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 16 THRU POS. 18 SAME AS ABOVE					
19	1.70458E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	2.67211E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	1.33510E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	7.61377E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	5.77151E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	7.19523E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
27	1.09591E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
28	5.52762E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
29	1.91641E-13	3.31260E-10	.00000E+00	1.49730E-10	4.93704E-10	.00000E+00
30	1.15631E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
31	9.33471E-14	1.55873E-11	.00000E+00	3.34344E-11	.00000E+00	.00000E+00
32	9.38625E-14	4.44662E-11	.00000E+00	3.05450E-11	1.61639E-11	.00000E+00
33	9.29771E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
34	9.55757E-14	.00000E+00	.00000E+00	2.77502E-13	.00000E+00	.00000E+00
35	9.61207E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

36	9.65696E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
37	9.68713E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
38	9.57559E-14	.00000E+00	.00000E+00	9.18865E-11	.00000E+00	.00000E+00
39	8.69597E-14	1.74941E-10	.00000E+00	8.46575E-10	1.22530E-11	.00000E+00
40	7.65974E-13	3.81784E-09	.00000E+00	5.96132E-09	1.46265E-09	.00000E+00
41	9.37179E-13	5.49488E-09	.00000E+00	5.38596E-09	5.19082E-09	.00000E+00
42	2.44482E-10	4.79665E-09	.00000E+00	4.78368E-09	4.47270E-09	.00000E+00
43	8.68776E-12	4.20596E-09	.00000E+00	4.10492E-09	3.96796E-09	.00000E+00
44	7.24482E-12	3.86648E-09	2.27165E-14	3.70981E-09	3.62401E-09	2.27165E-14
45	6.09896E-12	4.06295E-09	2.67046E-14	3.97603E-09	3.94902E-09	2.67046E-14
46	2.72371E-12	8.08375E-09	4.01257E-14	7.46141E-09	8.29324E-09	4.01257E-14
47	2.35216E-12	7.74278E-09	8.18893E-14	7.49369E-09	7.76661E-09	8.18893E-14
48	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 49 THRU POS. 70 SAME AS ABOVE					

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 45

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	3.76126E-02	4.70753E-02	1.65144E-05	5.59650E-02	4.65386E-02	1.65144E-05
2	2.62531E-02	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.17876E-01	1.02431E+00	4.70846E-04	1.31419E+00	1.05668E+00	4.70846E-04
4	7.46733E-02	9.28137E-01	3.78567E-04	1.19675E+00	9.58829E-01	3.78567E-04
5	5.67389E-03	4.23991E-02	7.59515E-05	5.33532E-02	4.40840E-02	7.59515E-05
6	3.15405E-07	2.42830E-06	1.43964E-09	3.60706E-06	2.25762E-06	1.43964E-09
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 8 THRU POS. 14 SAME AS ABOVE					
15	9.53111E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 17 THRU POS. 20 SAME AS ABOVE					
21	1.05796E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	4.26156E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	1.72926E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
27	1.60547E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
28	2.44398E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
29	5.78760E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
30	1.78527E-14	1.25673E-10	.00000E+00	5.64428E-11	1.87302E-10	.00000E+00
31	9.24885E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
32	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
33	.00000E+00	1.99761E-11	.00000E+00	1.37221E-11	7.26151E-12	.00000E+00
34	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 35 THRU POS. 38 SAME AS ABOVE					
39	.00000E+00	.00000E+00	.00000E+00	4.34052E-11	.00000E+00	.00000E+00
40	.00000E+00	8.12447E-11	.00000E+00	3.99182E-10	5.16687E-12	.00000E+00
41	3.39987E-13	1.80211E-09	.00000E+00	2.81503E-09	6.90427E-10	.00000E+00
42	4.37978E-13	2.59487E-09	.00000E+00	2.54366E-09	2.45175E-09	.00000E+00
43	7.57419E-11	2.26396E-09	.00000E+00	2.25836E-09	2.11212E-09	.00000E+00
44	3.86271E-13	1.98537E-09	.00000E+00	1.93810E-09	1.87384E-09	.00000E+00
45	3.18758E-13	1.82017E-09	1.98382E-14	1.72961E-09	1.71187E-09	1.98382E-14
46	3.11618E-13	1.90907E-09	2.32674E-14	1.85294E-09	1.86531E-09	2.32674E-14
47	8.58530E-13	3.69237E-09	3.47928E-14	3.39689E-09	3.80228E-09	3.47928E-14
48	1.10730E-12	3.56124E-09	7.09224E-14	3.41112E-09	3.56606E-09	7.09224E-14
49	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 50 THRU POS. 70 SAME AS ABOVE					

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 46

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	1.51165E-01	8.01786E-02	2.81188E-05	9.53305E-02	7.92772E-02	2.81188E-05
2	2.36384E-01	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.31363E-01	1.05828E+00	4.83843E-04	1.35460E+00	1.09034E+00	4.83843E-04
4	7.83114E-02	9.60703E-01	4.32514E-04	1.23726E+00	9.92977E-01	4.32514E-04

5	5.59002E-03	4.90931E-02	7.57523E-05	6.14913E-02	5.12937E-02	7.57523E-05
6	7.66760E-07	3.01686E-06	1.37534E-08	4.19493E-06	3.20495E-06	1.37534E-08
7	7.43769E-08	6.56686E-07	3.88405E-10	9.80141E-07	6.08204E-07	3.88405E-10
8	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	9 THRU POS.	15 SAME AS ABOVE				
16	2.44572E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	18 THRU POS.	22 SAME AS ABOVE				
23	5.55388E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	25 THRU POS.	27 SAME AS ABOVE				
28	3.69880E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
29	5.93267E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
30	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	31 THRU POS.	33 SAME AS ABOVE				
34	.00000E+00	1.30671E-11	.00000E+00	8.97613E-12	4.75002E-12	.00000E+00
35	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	36 THRU POS.	39 SAME AS ABOVE				
40	.00000E+00	.00000E+00	.00000E+00	2.94721E-11	.00000E+00	.00000E+00
41	.00000E+00	5.11302E-11	.00000E+00	2.68959E-10	1.70872E-12	.00000E+00
42	2.27550E-13	1.20026E-09	.00000E+00	1.90086E-09	4.34228E-10	.00000E+00
43	2.96106E-13	1.76188E-09	.00000E+00	1.72712E-09	1.66471E-09	.00000E+00
44	1.89220E-11	1.53496E-09	.00000E+00	1.52891E-09	1.43329E-09	.00000E+00
45	2.53457E-13	1.33039E-09	.00000E+00	1.25728E-09	1.27140E-09	.00000E+00
46	2.12023E-13	1.20664E-09	.00000E+00	1.08297E-09	1.16037E-09	.00000E+00
47	1.92732E-13	1.16748E-09	.00000E+00	1.11000E-09	1.12057E-09	.00000E+00
48	5.63444E-13	2.45840E-09	.00000E+00	2.23196E-09	2.58051E-09	.00000E+00
49	7.17355E-13	2.34458E-09	.00000E+00	2.21580E-09	2.41958E-09	.00000E+00
50	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	51 THRU POS.	70 SAME AS ABOVE				

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 47

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	8.76792E-02	1.85109E-01	6.49051E-05	2.20135E-01	1.83034E-01	6.49051E-05
2	1.38581E-01	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.68665E-01	1.16955E+00	5.31880E-04	1.48730E+00	1.20074E+00	5.31880E-04
4	8.09841E-02	9.84404E-01	4.66928E-04	1.26715E+00	1.01765E+00	4.66928E-04
5	1.88296E-03	1.73769E-02	2.32177E-05	2.19885E-02	1.80618E-02	2.32177E-05
6	9.46792E-08	6.79785E-07	7.07781E-10	9.77204E-07	6.65945E-07	7.07781E-10
7	2.77216E-08	1.82312E-07	1.08597E-10	2.59939E-07	1.78861E-07	1.08597E-10
8	4.71887E-09	4.24656E-08	2.46671E-11	6.22883E-08	3.98921E-08	2.46671E-11
9	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	10 THRU POS.	28 SAME AS ABOVE				
29	4.51418E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
30	4.02227E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
31	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	32 THRU POS.	34 SAME AS ABOVE				
35	.00000E+00	3.61178E-12	.00000E+00	2.48103E-12	1.31292E-12	.00000E+00
36	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	37 THRU POS.	40 SAME AS ABOVE				
41	.00000E+00	.00000E+00	.00000E+00	7.41498E-12	.00000E+00	.00000E+00
42	.00000E+00	4.51926E-12	.00000E+00	4.33741E-11	.00000E+00	.00000E+00
43	5.35204E-14	2.55466E-10	.00000E+00	4.12851E-10	5.40350E-11	.00000E+00
44	5.40361E-14	2.99200E-10	.00000E+00	2.87891E-10	2.65082E-10	.00000E+00
45	4.16718E-14	2.36280E-10	.00000E+00	2.18286E-10	2.28031E-10	.00000E+00
46	2.88993E-14	1.44760E-10	.00000E+00	1.28687E-10	1.21481E-10	.00000E+00
47	2.67211E-14	1.33361E-10	.00000E+00	1.15490E-10	1.10811E-10	.00000E+00
48	2.44852E-14	1.31789E-10	.00000E+00	1.18647E-10	1.13056E-10	.00000E+00
49	1.16967E-13	4.68969E-10	.00000E+00	3.96945E-10	5.18852E-10	.00000E+00
50	1.72838E-13	3.93827E-10	.00000E+00	3.86697E-10	3.84499E-10	.00000E+00
51	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 52 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 48

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.48700E-02	2.37276E-01	2.42023E-05	2.49223E-01	2.34183E-01	2.42023E-05
4	9.66955E-04	4.15591E-03	6.88484E-07	4.30904E-03	4.11962E-03	6.88484E-07
5	1.11524E-07	3.21649E-06	3.40248E-07	3.25349E-07	1.72169E-07	3.40248E-07
6	4.82696E-08	1.39310E-06	1.47265E-07	1.41471E-07	7.48643E-08	1.47265E-07
7	2.83290E-08	8.17528E-07	8.64287E-08	8.29775E-08	4.39104E-08	8.64287E-08
8	1.94736E-08	5.61887E-07	5.94118E-08	5.69786E-08	3.01521E-08	5.94118E-08
9	1.26570E-08	3.65194E-07	3.86152E-08	3.70277E-08	1.95945E-08	3.86152E-08
10	8.13165E-09	2.34566E-07	2.48087E-08	2.37499E-08	1.25681E-08	2.48087E-08
11	4.98183E-09	1.43798E-07	1.51990E-08	1.46132E-08	7.73305E-09	1.51990E-08
12	2.82544E-09	8.15194E-08	8.62011E-09	8.26345E-09	4.37289E-09	8.62011E-09
13	1.81819E-09	5.24382E-08	5.54710E-09	5.30382E-09	2.80669E-09	5.54710E-09
14	1.25225E-09	3.61075E-08	3.82046E-09	3.64718E-09	1.93003E-09	3.82046E-09
15	7.71402E-10	2.25358E-08	2.35346E-09	2.44804E-09	1.29546E-09	2.35346E-09
16	4.76618E-10	1.75565E-08	1.45411E-09	4.00780E-09	2.12086E-09	1.45411E-09
17	3.31988E-10	2.10212E-08	1.01286E-09	8.83126E-09	4.67336E-09	1.01286E-09
18	2.41389E-10	1.31319E-08	7.36452E-10	4.94250E-09	2.61549E-09	7.36452E-10
19	1.95372E-10	1.89457E-08	5.96057E-10	9.71360E-09	5.14028E-09	5.96057E-10
20	1.82178E-10	9.46942E-09	5.55806E-10	3.42699E-09	1.81351E-09	5.55806E-10
21	1.77357E-10	9.85078E-09	5.41096E-10	3.77041E-09	1.99524E-09	5.41096E-10
22	1.70546E-10	1.20606E-08	5.20317E-10	5.40348E-09	2.85944E-09	5.20317E-10
23	1.62133E-10	1.74790E-08	4.94649E-10	9.26763E-09	4.90428E-09	4.94649E-10
24	1.51026E-10	6.63461E-09	4.60762E-10	2.00599E-09	1.06154E-09	4.60762E-10
25	1.44629E-10	3.55705E-09	4.41247E-10	.00000E+00	.00000E+00	4.41247E-10
26	1.47599E-10	3.63010E-09	4.50309E-10	.00000E+00	.00000E+00	4.50309E-10
27	1.64440E-10	4.04428E-09	5.01688E-10	.00000E+00	.00000E+00	5.01688E-10
28	2.13939E-10	5.26168E-09	6.52704E-10	.00000E+00	.00000E+00	6.52704E-10
29	2.68080E-10	6.59324E-09	8.17882E-10	.00000E+00	.00000E+00	8.17882E-10
30	2.91870E-10	7.17832E-09	8.90461E-10	.00000E+00	.00000E+00	8.90461E-10
31	3.13449E-10	7.70904E-09	9.56296E-10	.00000E+00	.00000E+00	9.56296E-10
32	3.33867E-10	8.21122E-09	1.01859E-09	.00000E+00	.00000E+00	1.01859E-09
33	3.54203E-10	8.90031E-09	1.08063E-09	6.40694E-10	5.06685E-12	1.08063E-09
34	4.42743E-10	3.04622E-06	1.35076E-09	1.09398E-05	7.99306E-10	1.35076E-09
35	5.04690E-10	7.14841E-06	1.53975E-09	2.56553E-05	9.86860E-09	1.53975E-09
36	4.32258E-10	8.41237E-06	1.31877E-09	2.98826E-05	5.19616E-08	1.31877E-09
37	3.58835E-10	9.07858E-06	9.88623E-10	3.20291E-05	5.19847E-08	9.88623E-10
38	3.75810E-10	9.00695E-06	8.08146E-10	3.11983E-05	5.13751E-08	8.08146E-10
39	3.81613E-10	8.96667E-06	7.52721E-10	3.08775E-05	5.11811E-08	7.52721E-10
40	3.86300E-10	8.92505E-06	7.03703E-10	3.05812E-05	5.11811E-08	7.03703E-10
41	4.16887E-10	8.76148E-06	6.05667E-10	2.95143E-05	5.11811E-08	6.05667E-10
42	5.68468E-10	9.07123E-06	5.95762E-10	2.79699E-05	8.28610E-07	5.95762E-10
43	2.52622E-09	1.98818E-05	6.43347E-10	2.98170E-05	1.77510E-05	6.43347E-10
44	2.46172E-09	1.28646E-05	.00000E+00	2.03172E-05	9.97747E-06	.00000E+00
45	2.85245E-09	1.05689E-05	.00000E+00	1.72521E-05	7.44255E-06	.00000E+00
46	3.41061E-09	1.30977E-05	.00000E+00	1.70820E-05	1.18174E-05	.00000E+00
47	3.24677E-09	1.15530E-05	.00000E+00	1.61446E-05	8.64352E-06	.00000E+00
48	3.97437E-09	1.42829E-05	.00000E+00	2.05504E-05	7.81741E-06	.00000E+00
49	6.37978E-08	3.11756E-04	2.49676E-11	2.28655E-04	3.59698E-04	2.49676E-11
50	1.88009E-07	8.41851E-04	1.16674E-10	6.39663E-04	9.10578E-04	1.16674E-10
51	1.45345E-07	5.60668E-04	9.05128E-11	4.90490E-04	5.31881E-04	9.05128E-11
52	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 53 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 49

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

3	9.02347E-02	2.36071E-01	2.60043E-05	2.47557E-01	2.33131E-01	2.60043E-05
4	1.48292E-03	6.37988E-03	1.05709E-06	6.61490E-03	6.32410E-03	1.05709E-06
5	2.18411E-03	9.70604E-03	1.61574E-06	1.00610E-02	9.62262E-03	1.61574E-06
6	4.05563E-06	3.55238E-02	1.58611E-07	1.12631E-01	7.27309E-03	1.58611E-07
7	6.63709E-06	1.53853E-02	6.86507E-08	4.87800E-02	3.15001E-03	6.86507E-08
8	1.07699E-06	9.74396E-03	4.02901E-08	2.89667E-02	2.90545E-03	4.02901E-08
9	3.86832E-07	6.69968E-03	2.76959E-08	1.99173E-02	1.99739E-03	2.76959E-08
10	2.23828E-07	4.34997E-03	1.80006E-08	1.29345E-02	1.29561E-03	1.80006E-08
11	3.07434E-07	2.79076E-03	1.15637E-08	8.30157E-03	8.29457E-04	1.15637E-08
12	4.49627E-07	1.71339E-03	7.08339E-09	5.08663E-03	5.03179E-04	7.08339E-09
13	3.03318E-07	1.18172E-03	4.01515E-09	3.13690E-03	2.76429E-04	4.01515E-09
14	1.53479E-07	6.80789E-04	2.58085E-09	1.91014E-03	1.66955E-04	2.58085E-09
15	1.13047E-07	4.21508E-04	1.77367E-09	1.24415E-03	1.02629E-04	1.77367E-09
16	8.38016E-08	2.39638E-04	1.08493E-09	7.14121E-04	4.86389E-05	1.08493E-09
17	6.35992E-08	1.30032E-04	6.58225E-10	3.71264E-04	3.62648E-05	6.58225E-10
18	5.63077E-08	1.04876E-04	4.43186E-10	2.95008E-04	3.17548E-05	4.43186E-10
19	5.20890E-08	4.88386E-04	3.01152E-10	1.72119E-03	1.64198E-05	3.01152E-10
20	4.99684E-08	4.69006E-04	2.22208E-10	1.65473E-03	1.65816E-05	2.22208E-10
21	6.21520E-08	8.20361E-05	1.96060E-10	1.17560E-04	3.77405E-05	1.96060E-10
22	4.67591E-08	1.06737E-04	1.86446E-10	3.83837E-04	2.38297E-07	1.86446E-10
23	5.39330E-08	3.38573E-04	1.72120E-10	1.15347E-03	9.57632E-07	1.72120E-10
24	4.66803E-08	6.07630E-04	1.51598E-10	2.15363E-03	1.53880E-06	1.51598E-10
25	4.43646E-08	2.75131E-04	1.19823E-10	8.70217E-04	2.92610E-05	1.19823E-10
26	4.94598E-08	2.67042E-04	8.36216E-11	7.09155E-04	6.03358E-05	8.36216E-11
27	4.16167E-08	2.35458E-04	5.37303E-11	6.92966E-04	3.10451E-05	5.37303E-11
28	3.86097E-08	1.92265E-04	2.69625E-11	5.55216E-04	3.30899E-05	2.69625E-11
29	3.82347E-08	1.56328E-04	1.16754E-11	4.29036E-04	3.21385E-05	1.16754E-11
30	4.27922E-08	1.72273E-04	6.89499E-13	3.48092E-04	1.08044E-04	6.89499E-13
31	4.51995E-08	1.75375E-04	.00000E+00	2.96740E-04	1.43540E-04	.00000E+00
32	5.14648E-08	2.04401E-04	.00000E+00	2.90087E-04	1.94770E-04	.00000E+00
33	5.39453E-08	2.15209E-04	.00000E+00	2.75629E-04	2.24103E-04	.00000E+00
34	4.57561E-08	1.47151E-04	.00000E+00	2.26964E-04	1.31737E-04	.00000E+00
35	2.81947E-08	8.15607E-05	.00000E+00	1.64826E-04	5.05925E-05	.00000E+00
36	2.37988E-08	6.49860E-05	.00000E+00	1.21290E-04	4.39609E-05	.00000E+00
37	2.22207E-08	5.13001E-05	.00000E+00	7.87734E-05	4.26743E-05	.00000E+00
38	2.17900E-08	4.59179E-05	.00000E+00	5.94638E-05	4.30848E-05	.00000E+00
39	2.29814E-08	4.58385E-05	.00000E+00	5.59675E-05	4.49391E-05	.00000E+00
40	2.33793E-08	4.58934E-05	.00000E+00	5.50654E-05	4.55576E-05	.00000E+00
41	2.37248E-08	4.59460E-05	.00000E+00	5.42658E-05	4.61075E-05	.00000E+00
42	2.46486E-08	4.52600E-05	.00000E+00	5.14315E-05	4.65145E-05	.00000E+00
43	2.57700E-08	4.25768E-05	.00000E+00	4.64968E-05	4.48235E-05	.00000E+00
44	2.42296E-08	2.88893E-05	.00000E+00	3.46865E-05	2.83470E-05	.00000E+00
45	2.14423E-08	1.60861E-05	.00000E+00	1.92155E-05	1.57765E-05	.00000E+00
46	2.02015E-08	1.12596E-05	.00000E+00	1.28490E-05	1.13257E-05	.00000E+00
47	1.87688E-08	9.91421E-06	.00000E+00	9.95230E-06	1.08336E-05	.00000E+00
48	3.78112E-08	4.07660E-05	.00000E+00	3.93502E-05	3.78374E-05	.00000E+00
49	3.33673E-06	7.15791E-04	4.49660E-09	5.84506E-04	7.60114E-04	4.49660E-09
50	3.17182E-05	3.12748E-03	1.41183E-07	2.32959E-03	3.51343E-03	1.41183E-07
51	4.96233E-05	5.03635E-03	4.01965E-07	4.18897E-03	4.97607E-03	4.01965E-07
52	3.55584E-05	3.01180E-03	4.38546E-07	2.74246E-03	2.81752E-03	4.38546E-07
53	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 54 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 50

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.73198E-02	2.36120E-01	2.76989E-05	2.47259E-01	2.33267E-01	2.76989E-05
4	1.38533E-03	5.86872E-03	9.70208E-07	6.08569E-03	5.81713E-03	9.70208E-07
5	1.61704E-03	7.18728E-03	1.19644E-06	7.45007E-03	7.12543E-03	1.19644E-06
6	1.13425E-03	5.03978E-03	8.38959E-07	5.22408E-03	4.99648E-03	8.38959E-07

7	1.38132E-04	8.29635E-02	2.53267E-07	5.98057E-02	1.00982E-01	2.53267E-07
8	2.32638E-04	3.59353E-02	1.09619E-07	2.59026E-02	4.37382E-02	1.09619E-07
9	2.90675E-05	2.03729E-02	6.43347E-08	1.48808E-02	2.45969E-02	6.43347E-08
10	7.77651E-06	1.40090E-02	4.42259E-08	1.02306E-02	1.69105E-02	4.42259E-08
11	5.46687E-06	9.09246E-03	2.87424E-08	6.63710E-03	1.09711E-02	2.87424E-08
12	1.27177E-05	5.83039E-03	1.84650E-08	4.25164E-03	7.02685E-03	1.84650E-08
13	1.52425E-05	3.58102E-03	1.13104E-08	2.61810E-03	4.26898E-03	1.13104E-08
14	9.31163E-06	2.62213E-03	6.41113E-09	2.21727E-03	2.36045E-03	6.41113E-09
15	4.18866E-06	1.53723E-03	4.12106E-09	1.20583E-03	1.47215E-03	4.12106E-09
16	2.93965E-06	4.72158E-03	2.83213E-09	2.65910E-03	2.61713E-03	2.83213E-09
17	2.41445E-06	5.23591E-03	1.73241E-09	4.68055E-03	7.23081E-03	1.73241E-09
18	1.39265E-06	1.81120E-03	1.05109E-09	2.72083E-03	2.41760E-04	1.05109E-09
19	7.14235E-07	9.88519E-05	7.07665E-10	4.40883E-04	4.30109E-05	7.07665E-10
20	6.05681E-07	1.22600E-04	4.80867E-10	4.95175E-04	2.87436E-05	4.80867E-10
21	5.51375E-07	1.25289E-04	3.54815E-10	3.90421E-04	5.53458E-05	3.54815E-10
22	6.92290E-07	9.43528E-04	3.13063E-10	8.66050E-04	8.35751E-04	3.13063E-10
23	5.36493E-07	1.93531E-04	2.97717E-10	2.42683E-04	2.38602E-04	2.97717E-10
24	6.42988E-07	8.43752E-04	2.74834E-10	7.05494E-04	9.47414E-04	2.74834E-10
25	5.70201E-07	6.16646E-04	2.42069E-10	6.30420E-04	7.03933E-04	2.42069E-10
26	4.86176E-07	3.05524E-04	1.91331E-10	3.10478E-04	3.33006E-04	1.91331E-10
27	4.56498E-07	3.22350E-04	1.33521E-10	2.50539E-04	4.17121E-04	1.33521E-10
28	4.18921E-07	1.76271E-04	8.57965E-11	1.54665E-04	2.15456E-04	8.57965E-11
29	4.17630E-07	1.60063E-04	4.30542E-11	1.34616E-04	1.99933E-04	4.30542E-11
30	4.25131E-07	1.51474E-04	1.86429E-11	1.19259E-04	1.91260E-04	1.86429E-11
31	4.22684E-07	4.73599E-05	1.10099E-12	6.19826E-05	4.24400E-05	1.10099E-12
32	4.56374E-07	3.59267E-05	.00000E+00	5.09989E-05	2.89120E-05	.00000E+00
33	5.03038E-07	4.29273E-05	.00000E+00	5.49132E-05	3.84360E-05	.00000E+00
34	5.52944E-07	4.62373E-05	.00000E+00	5.62401E-05	4.40570E-05	.00000E+00
35	6.34051E-07	3.39311E-05	.00000E+00	5.10460E-05	2.59545E-05	.00000E+00
36	9.37748E-07	2.88948E-05	.00000E+00	4.73748E-05	1.99475E-05	.00000E+00
37	2.53038E-06	2.46621E-05	.00000E+00	3.98636E-05	1.72914E-05	.00000E+00
38	3.50957E-06	2.08948E-05	.00000E+00	3.02043E-05	1.67562E-05	.00000E+00
39	3.85745E-06	1.94363E-05	.00000E+00	2.58779E-05	1.68981E-05	.00000E+00
40	3.88815E-06	1.94574E-05	.00000E+00	2.48964E-05	1.76230E-05	.00000E+00
41	3.87759E-06	1.94899E-05	.00000E+00	2.46272E-05	1.78649E-05	.00000E+00
42	3.86660E-06	1.95188E-05	.00000E+00	2.43855E-05	1.80805E-05	.00000E+00
43	3.82170E-06	1.92589E-05	.00000E+00	2.34477E-05	1.82364E-05	.00000E+00
44	3.73586E-06	1.84996E-05	.00000E+00	2.18331E-05	1.79665E-05	.00000E+00
45	3.76019E-06	1.91852E-05	.00000E+00	2.00529E-05	2.05025E-05	.00000E+00
46	4.00741E-06	1.15369E-05	.00000E+00	1.29433E-05	1.14702E-05	.00000E+00
47	4.17280E-06	9.11881E-06	.00000E+00	1.07286E-05	8.15388E-06	.00000E+00
48	5.68293E-06	2.43731E-05	1.72170E-10	2.23874E-05	2.42130E-05	1.72170E-10
49	1.50074E-04	7.42488E-04	4.82863E-07	5.71503E-04	7.91191E-04	4.82863E-07
50	2.95320E-04	2.75066E-03	1.28603E-06	1.98622E-03	3.19096E-03	1.28603E-06
51	4.90276E-04	5.53696E-03	2.57019E-06	4.88731E-03	5.68450E-03	2.57019E-06
52	4.94964E-04	6.93830E-03	2.49253E-06	6.55093E-03	6.67904E-03	2.49253E-06
53	5.06556E-04	3.93295E-03	2.28166E-06	3.88466E-03	3.69421E-03	2.28166E-06
54	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 55 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 51

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.45938E-02	2.39703E-01	2.99983E-05	2.50620E-01	2.36935E-01	2.99983E-05
4	1.18412E-03	4.84375E-03	7.96589E-07	5.02428E-03	4.80046E-03	7.96589E-07
5	2.20910E-03	9.81878E-03	1.63450E-06	1.01778E-02	9.73423E-03	1.63450E-06
6	1.65737E-03	7.36445E-03	1.22590E-06	7.63374E-03	7.30105E-03	1.22590E-06
7	1.19420E-03	5.30615E-03	8.83280E-07	5.50020E-03	5.26055E-03	8.83280E-07
8	5.88770E-04	1.60555E-02	4.86051E-07	1.43974E-02	1.80305E-02	4.86051E-07
9	1.23869E-03	6.95511E-03	2.10378E-07	6.22727E-03	7.80983E-03	2.10378E-07

10	1.30054E-04	4.04978E-03	1.23468E-07	3.62970E-03	4.53412E-03	1.23468E-07
11	2.46889E-05	2.78579E-03	8.48734E-08	2.48268E-03	3.11778E-03	8.48734E-08
12	1.72821E-05	1.81000E-03	5.51633E-08	1.59124E-03	2.02358E-03	5.51633E-08
13	5.90967E-05	1.16464E-03	3.54380E-08	9.94619E-04	1.29742E-03	3.54380E-08
14	7.88500E-05	8.14463E-04	2.17071E-08	7.00572E-04	7.90911E-04	2.17071E-08
15	5.27749E-05	2.73524E-03	1.23047E-08	3.17693E-03	4.43710E-04	1.23047E-08
16	2.27517E-05	1.13490E-03	7.90907E-09	1.22853E-03	2.96068E-04	7.90907E-09
17	1.65635E-05	2.75883E-03	5.43541E-09	1.63625E-03	1.21520E-03	5.43541E-09
18	8.92833E-06	1.68382E-03	3.32480E-09	1.34072E-03	1.95968E-03	3.32480E-09
19	4.98970E-06	2.72475E-04	2.01720E-09	3.03956E-04	9.16435E-05	2.01720E-09
20	3.29913E-06	1.03601E-04	1.35814E-09	1.57958E-04	1.93937E-05	1.35814E-09
21	2.46313E-06	7.39100E-05	9.22873E-10	1.60180E-04	1.57252E-05	9.22873E-10
22	2.05982E-06	5.38645E-05	6.80943E-10	1.31326E-04	1.77917E-05	6.80943E-10
23	1.91969E-06	1.27412E-04	6.00820E-10	1.45231E-04	1.44607E-04	6.00820E-10
24	1.88162E-06	5.97275E-05	5.71358E-10	7.48373E-05	4.71818E-05	5.71358E-10
25	1.85536E-06	1.50257E-04	5.27440E-10	1.24927E-04	1.73444E-04	5.27440E-10
26	1.74974E-06	1.77099E-04	4.64555E-10	1.86057E-04	2.04922E-04	4.64555E-10
27	1.58956E-06	9.49434E-05	3.67198E-10	9.77963E-05	1.06619E-04	3.67198E-10
28	1.50698E-06	1.27042E-04	2.56256E-10	1.10730E-04	1.55839E-04	2.56256E-10
29	1.50962E-06	7.58533E-05	1.64655E-10	8.80026E-05	8.06125E-05	1.64655E-10
30	1.50797E-06	6.99486E-05	8.26269E-11	7.99103E-05	7.47603E-05	8.26269E-11
31	1.53194E-06	6.66156E-05	3.57799E-11	7.30724E-05	7.14085E-05	3.57799E-11
32	1.55787E-06	5.16879E-05	2.11301E-12	6.17794E-05	5.15168E-05	2.11301E-12
33	1.66779E-06	5.60581E-05	.00000E+00	6.13308E-05	5.97173E-05	.00000E+00
34	1.81466E-06	7.17297E-05	.00000E+00	7.09746E-05	8.06769E-05	.00000E+00
35	1.97329E-06	8.06852E-05	.00000E+00	7.70180E-05	9.27347E-05	.00000E+00
36	2.27013E-06	5.66865E-05	.00000E+00	6.87169E-05	5.46518E-05	.00000E+00
37	3.34969E-06	4.31305E-05	.00000E+00	6.10091E-05	3.60904E-05	.00000E+00
38	9.66912E-06	3.63165E-05	.00000E+00	5.00020E-05	3.13492E-05	.00000E+00
39	1.35577E-05	3.13665E-05	.00000E+00	3.79679E-05	3.04212E-05	.00000E+00
40	1.49200E-05	2.93636E-05	.00000E+00	3.26465E-05	3.06943E-05	.00000E+00
41	1.50441E-05	2.97822E-05	.00000E+00	3.16806E-05	3.20300E-05	.00000E+00
42	1.50050E-05	2.99459E-05	.00000E+00	3.14271E-05	3.24730E-05	.00000E+00
43	1.49634E-05	3.00914E-05	.00000E+00	3.11998E-05	3.28670E-05	.00000E+00
44	1.47929E-05	3.00941E-05	.00000E+00	3.03107E-05	3.32198E-05	.00000E+00
45	1.44636E-05	2.89891E-05	.00000E+00	2.83971E-05	3.23493E-05	.00000E+00
46	1.45222E-05	2.42667E-05	.00000E+00	2.39765E-05	2.68781E-05	.00000E+00
47	1.54047E-05	1.73347E-05	.00000E+00	1.91914E-05	1.49388E-05	.00000E+00
48	1.61566E-05	2.42062E-05	.00000E+00	3.00466E-05	1.06886E-05	.00000E+00
49	3.51400E-04	5.63655E-04	4.36290E-07	4.98345E-04	5.47105E-04	4.36290E-07
50	2.28737E-03	3.59634E-03	3.40608E-06	2.54623E-03	4.25668E-03	3.40608E-06
51	1.97851E-03	6.63087E-03	3.97571E-06	5.62017E-03	7.15633E-03	3.97571E-06
52	1.80684E-03	1.09086E-02	4.47072E-06	1.03584E-02	1.09124E-02	4.47072E-06
53	2.06679E-03	1.14119E-02	4.63312E-06	1.07522E-02	1.12717E-02	4.63312E-06
54	1.45650E-03	6.81331E-03	3.43118E-06	6.52399E-03	6.65971E-03	3.43118E-06
55	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 56 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 52

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.36596E-02	2.44776E-01	3.21997E-05	2.55609E-01	2.42029E-01	3.21997E-05
4	2.18833E-03	9.17213E-03	1.51390E-06	9.51200E-03	9.09097E-03	1.51390E-06
5	3.15790E-03	1.40425E-02	2.33761E-06	1.45557E-02	1.39217E-02	2.33761E-06
6	2.26918E-03	1.00829E-02	1.67845E-06	1.04516E-02	9.99610E-03	1.67845E-06
7	1.74535E-03	7.75531E-03	1.29097E-06	8.03888E-03	7.68855E-03	1.29097E-06
8	1.29459E-03	5.75205E-03	9.57519E-07	5.96241E-03	5.70262E-03	9.57519E-07
9	2.78906E-03	1.90028E-02	2.06196E-06	1.40014E-02	2.02976E-02	2.06196E-06
10	7.09301E-03	8.23125E-03	8.92442E-07	6.06429E-03	8.79153E-03	8.92442E-07
11	6.77276E-04	4.81849E-03	5.23773E-07	3.55351E-03	5.14011E-03	5.23773E-07

12	1.38834E-04	3.31376E-03	3.60049E-07	2.44310E-03	3.53403E-03	3.60049E-07
13	6.17666E-05	2.15160E-03	2.34006E-07	1.58525E-03	2.29307E-03	2.34006E-07
14	2.91918E-04	1.38250E-03	1.50329E-07	1.01795E-03	1.46911E-03	1.50329E-07
15	4.37825E-04	9.90009E-04	9.20850E-08	7.99448E-04	8.93379E-04	9.20850E-08
16	3.21288E-04	3.88593E-03	5.21961E-08	4.56143E-03	4.95909E-04	5.21961E-08
17	1.35142E-04	1.53163E-03	3.35511E-08	1.72125E-03	3.15168E-04	3.35511E-08
18	1.01476E-04	1.85890E-03	2.30579E-08	1.26465E-03	7.69217E-04	2.30579E-08
19	4.82206E-05	1.14424E-03	1.41040E-08	1.13726E-03	1.09748E-03	1.41040E-08
20	2.84909E-05	8.58763E-04	8.55731E-09	1.07082E-03	6.66884E-05	8.55731E-09
21	1.78260E-05	1.26240E-04	5.76121E-09	1.66152E-04	1.52572E-05	5.76121E-09
22	1.17033E-05	8.69362E-05	3.91500E-09	1.34462E-04	1.16187E-05	3.91500E-09
23	8.91122E-06	7.16316E-05	2.88870E-09	1.11277E-04	1.71028E-05	2.88870E-09
24	8.13551E-06	3.22145E-04	2.54877E-09	3.29605E-04	1.64069E-04	2.54877E-09
25	7.76383E-06	7.34063E-05	2.42381E-09	7.70066E-05	4.59349E-05	2.42381E-09
26	7.41361E-06	2.39578E-04	2.23751E-09	2.30054E-04	1.77658E-04	2.23751E-09
27	6.69957E-06	1.66556E-04	1.97076E-09	1.88552E-04	1.30042E-04	1.97076E-09
28	5.88599E-06	1.02446E-04	1.55771E-09	1.19263E-04	6.74273E-05	1.55771E-09
29	5.28201E-06	1.12858E-04	1.08708E-09	1.22230E-04	9.12976E-05	1.08708E-09
30	5.21071E-06	7.57246E-05	6.98477E-10	1.04499E-04	4.73752E-05	6.98477E-10
31	5.02699E-06	7.56253E-05	3.50511E-10	9.49142E-05	5.90141E-05	3.50511E-10
32	4.97050E-06	7.33017E-05	1.51779E-10	8.75594E-05	5.88218E-05	1.51779E-10
33	4.86661E-06	5.94998E-05	8.96362E-12	7.32577E-05	4.68733E-05	8.96362E-12
34	5.03434E-06	6.05143E-05	.00000E+00	6.84833E-05	5.52049E-05	.00000E+00
35	5.36191E-06	7.45196E-05	.00000E+00	7.66911E-05	7.46620E-05	.00000E+00
36	5.73580E-06	8.11886E-05	.00000E+00	8.04224E-05	8.57003E-05	.00000E+00
37	6.58031E-06	5.79702E-05	.00000E+00	7.15143E-05	5.05829E-05	.00000E+00
38	9.26668E-06	4.90861E-05	.00000E+00	6.51254E-05	4.22727E-05	.00000E+00
39	2.87902E-05	4.21266E-05	.00000E+00	5.54331E-05	3.67941E-05	.00000E+00
40	4.09004E-05	3.73218E-05	.00000E+00	4.41748E-05	3.57815E-05	.00000E+00
41	4.51260E-05	3.50986E-05	.00000E+00	3.85360E-05	3.61151E-05	.00000E+00
42	4.55454E-05	3.57224E-05	.00000E+00	3.78625E-05	3.76806E-05	.00000E+00
43	4.54426E-05	3.59621E-05	.00000E+00	3.77049E-05	3.82021E-05	.00000E+00
44	4.53248E-05	3.61737E-05	.00000E+00	3.75577E-05	3.86656E-05	.00000E+00
45	4.48400E-05	3.58428E-05	.00000E+00	3.65523E-05	3.89178E-05	.00000E+00
46	4.38833E-05	3.45126E-05	.00000E+00	3.46121E-05	3.78925E-05	.00000E+00
47	4.40456E-05	3.04503E-05	.00000E+00	3.05303E-05	3.33258E-05	.00000E+00
48	4.65672E-05	2.84853E-05	.00000E+00	3.31992E-05	1.85400E-05	.00000E+00
49	4.89638E-05	5.92700E-04	1.17235E-07	5.78805E-04	5.12930E-04	1.17235E-07
50	7.09221E-05	4.47135E-03	1.89148E-06	3.17476E-03	5.30712E-03	1.89148E-06
51	8.60581E-05	9.46244E-03	5.02910E-06	7.65465E-03	1.05257E-02	5.02910E-06
52	8.73205E-05	1.33967E-02	3.73752E-06	1.28059E-02	1.35788E-02	3.73752E-06
53	8.61036E-05	1.82918E-02	3.10631E-06	1.75336E-02	1.85713E-02	3.10631E-06
54	8.75361E-05	1.70483E-02	2.91660E-06	1.58279E-02	1.74109E-02	2.91660E-06
55	1.12660E-04	1.02464E-02	2.59568E-06	9.62906E-03	1.03481E-02	2.59568E-06
56	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 57 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 53

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.27373E-02	2.54010E-01	3.54355E-05	2.64838E-01	2.51281E-01	3.54355E-05
4	3.27730E-03	1.37389E-02	2.26774E-06	1.42480E-02	1.36177E-02	2.26774E-06
5	4.24669E-03	1.88799E-02	3.14294E-06	1.95702E-02	1.87174E-02	3.14294E-06
6	3.25539E-03	1.44653E-02	2.40795E-06	1.49943E-02	1.43407E-02	2.40795E-06
7	2.42135E-03	1.07594E-02	1.79101E-06	1.11526E-02	1.06668E-02	1.79101E-06
8	1.91418E-03	8.50551E-03	1.41585E-06	8.81652E-03	8.43228E-03	1.41585E-06
9	1.46282E-03	6.49955E-03	1.08194E-06	6.73722E-03	6.44372E-03	1.08194E-06
10	6.46645E-03	1.99686E-02	4.22112E-07	1.33936E-02	2.43013E-02	4.22112E-07
11	1.29778E-02	8.64970E-03	1.82695E-07	5.80013E-03	1.05257E-02	1.82695E-07
12	2.09662E-03	4.92237E-03	1.07225E-07	3.33362E-03	5.94668E-03	1.07225E-07

13	8.34374E-03	3.38512E-03	7.37084E-08	2.29032E-03	4.08862E-03	7.37084E-08
14	8.95030E-04	2.19814E-03	4.79054E-08	1.48412E-03	2.65285E-03	4.79054E-08
15	4.27575E-02	1.41381E-03	3.07748E-08	9.51825E-04	1.69960E-03	3.07748E-08
16	2.20790E-02	1.12169E-03	1.88507E-08	8.94874E-04	1.03350E-03	1.88507E-08
17	3.84659E-03	6.53406E-03	1.06854E-08	7.79493E-03	5.73603E-04	1.06854E-08
18	5.12065E-03	2.47461E-03	6.86844E-09	2.85846E-03	3.64171E-04	6.86844E-09
19	1.29503E-03	2.31355E-03	4.72015E-09	1.68922E-03	8.73706E-04	4.72015E-09
20	7.88558E-04	1.72432E-03	2.88731E-09	1.64212E-03	1.62082E-03	2.88731E-09
21	4.27502E-04	4.33027E-04	1.75180E-09	5.25810E-04	7.84992E-05	1.75180E-09
22	2.58701E-04	2.06477E-04	1.17943E-09	2.79858E-04	1.88400E-05	1.17943E-09
23	1.85681E-04	1.43470E-04	8.01444E-10	2.17167E-04	1.51999E-05	8.01444E-10
24	1.56315E-04	1.20007E-04	5.91379E-10	1.78230E-04	2.31681E-05	5.91379E-10
25	1.40602E-04	2.34445E-04	5.21750E-10	2.10807E-04	1.86019E-04	5.21750E-10
26	1.35277E-04	1.16409E-04	4.96208E-10	1.32659E-04	5.27003E-05	4.96208E-10
27	1.27444E-04	2.30181E-04	4.58064E-10	2.05702E-04	2.02176E-04	4.58064E-10
28	1.15520E-04	2.42105E-04	4.03445E-10	2.35100E-04	2.32781E-04	4.03445E-10
29	9.12721E-05	1.46661E-04	3.18883E-10	1.39359E-04	1.38829E-04	3.18883E-10
30	6.19989E-05	1.90453E-04	2.22537E-10	1.59040E-04	2.10249E-04	2.22537E-10
31	4.91375E-05	1.17317E-04	1.42991E-10	1.28349E-04	1.08701E-04	1.42991E-10
32	4.25282E-05	1.11155E-04	7.17528E-11	1.17516E-04	1.08349E-04	7.17528E-11
33	4.12711E-05	1.07509E-04	3.63775E-11	1.09925E-04	1.04870E-04	3.63775E-11
34	4.10253E-05	8.21383E-05	3.58102E-12	9.25342E-05	7.16306E-05	3.58102E-12
35	4.20555E-05	8.52654E-05	.00000E+00	8.90927E-05	8.22715E-05	.00000E+00
36	4.54569E-05	1.05851E-04	.00000E+00	1.00745E-04	1.11292E-04	.00000E+00
37	4.83239E-05	1.18347E-04	.00000E+00	1.09118E-04	1.27858E-04	.00000E+00
38	5.22854E-05	8.45475E-05	.00000E+00	9.67073E-05	7.53480E-05	.00000E+00
39	5.56431E-05	6.22995E-05	.00000E+00	8.29699E-05	4.93877E-05	.00000E+00
40	1.00223E-04	5.30020E-05	.00000E+00	7.06808E-05	4.27686E-05	.00000E+00
41	1.29040E-04	4.65821E-05	.00000E+00	5.69254E-05	4.14436E-05	.00000E+00
42	1.36372E-04	4.30404E-05	.00000E+00	4.88721E-05	4.18461E-05	.00000E+00
43	1.35110E-04	4.33701E-05	.00000E+00	4.69693E-05	4.36663E-05	.00000E+00
44	1.34195E-04	4.35323E-05	.00000E+00	4.64571E-05	4.42693E-05	.00000E+00
45	1.33315E-04	4.36789E-05	.00000E+00	4.60055E-05	4.48061E-05	.00000E+00
46	1.30665E-04	4.32304E-05	.00000E+00	4.41684E-05	4.51827E-05	.00000E+00
47	1.26617E-04	4.14317E-05	.00000E+00	4.09185E-05	4.40977E-05	.00000E+00
48	1.25527E-04	3.70442E-05	.00000E+00	3.85542E-05	4.02522E-05	.00000E+00
49	1.31005E-04	3.98065E-04	.00000E+00	6.21499E-04	1.01067E-04	.00000E+00
50	1.38604E-04	5.17880E-03	1.94766E-07	3.97737E-03	6.02212E-03	1.94766E-07
51	1.95301E-04	1.29073E-02	1.54106E-06	1.02042E-02	1.48841E-02	1.54106E-06
52	2.28602E-04	1.78651E-02	2.11494E-06	1.68740E-02	1.85766E-02	2.11494E-06
53	2.30622E-04	2.29012E-02	1.56167E-06	2.26429E-02	2.32556E-02	1.56167E-06
54	2.29020E-04	2.63963E-02	1.89524E-06	2.53660E-02	2.74236E-02	1.89524E-06
55	4.35224E-04	2.30553E-02	2.18373E-06	2.13381E-02	2.40783E-02	2.18373E-06
56	1.04525E-03	1.41023E-02	2.89930E-06	1.32711E-02	1.45012E-02	2.89930E-06
57	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 58 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 54

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.37510E-02	2.71599E-01	4.03232E-05	2.82663E-01	2.68844E-01	4.03232E-05
4	5.35930E-03	2.24560E-02	3.70628E-06	2.32885E-02	2.22576E-02	3.70628E-06
5	6.32221E-03	2.81081E-02	4.67917E-06	2.91361E-02	2.78662E-02	4.67917E-06
6	4.47687E-03	1.98938E-02	3.31162E-06	2.06211E-02	1.97227E-02	3.31162E-06
7	3.55361E-03	1.57903E-02	2.62853E-06	1.63678E-02	1.56543E-02	2.62853E-06
8	2.74831E-03	1.22122E-02	2.03287E-06	1.26587E-02	1.21072E-02	2.03287E-06
9	2.23529E-03	9.93227E-03	1.65336E-06	1.02956E-02	9.84659E-03	1.65336E-06
10	1.75872E-03	7.81431E-03	1.30083E-06	8.10006E-03	7.74718E-03	1.30083E-06
11	1.61604E-02	2.27648E-02	7.16513E-07	1.49988E-02	2.70403E-02	7.16513E-07
12	3.15739E-02	9.86081E-03	3.10118E-07	6.49545E-03	1.17118E-02	3.10118E-07

13	5.37645E-03	5.87762E-03	1.82010E-07	3.85156E-03	7.00684E-03	1.82010E-07
14	3.65476E-02	4.04203E-03	1.25115E-07	2.64645E-03	4.81754E-03	1.25115E-07
15	1.66662E-03	2.62499E-03	8.13146E-08	1.71581E-03	3.12582E-03	8.13146E-08
16	1.00255E-01	1.69002E-03	5.22409E-08	1.10347E-03	2.00261E-03	5.22409E-08
17	5.18427E-02	1.46362E-03	3.19988E-08	1.20195E-03	1.21784E-03	3.19988E-08
18	9.19281E-03	1.06856E-02	1.81382E-08	1.28633E-02	6.76020E-04	1.81382E-08
19	1.20465E-02	3.97521E-03	1.16590E-08	4.67001E-03	4.29394E-04	1.16590E-08
20	3.05788E-03	3.06356E-03	8.01258E-09	2.39163E-03	1.03595E-03	8.01258E-09
21	1.85782E-03	2.50525E-03	4.90115E-09	2.09845E-03	2.22656E-03	4.90115E-09
22	1.00640E-03	6.20319E-04	2.97361E-09	7.87039E-04	9.33037E-05	2.97361E-09
23	6.09748E-04	3.30502E-04	2.00207E-09	4.55062E-04	2.22496E-05	2.00207E-09
24	4.37613E-04	2.40569E-04	1.36044E-09	3.54873E-04	1.85546E-05	1.36044E-09
25	3.68187E-04	2.10899E-04	1.00381E-09	3.00866E-04	2.87209E-05	1.00381E-09
26	3.31115E-04	3.31872E-04	8.85717E-10	3.27109E-04	2.11654E-04	8.85717E-10
27	3.18577E-04	1.95566E-04	8.42294E-10	2.34477E-04	6.08346E-05	8.42294E-10
28	3.00121E-04	3.20350E-04	7.77535E-10	3.08479E-04	2.32701E-04	7.77535E-10
29	2.72049E-04	3.86830E-04	6.84868E-10	3.56736E-04	3.62367E-04	6.84868E-10
30	2.15115E-04	2.22864E-04	5.41318E-10	2.07946E-04	2.00670E-04	5.41318E-10
31	1.46265E-04	2.40371E-04	3.77778E-10	2.09462E-04	2.45392E-04	3.77778E-10
32	1.15777E-04	1.51638E-04	2.42759E-10	1.69528E-04	1.26896E-04	2.42759E-10
33	1.00088E-04	1.47629E-04	1.21850E-10	1.57051E-04	1.33764E-04	1.21850E-10
34	9.71458E-05	1.44045E-04	4.74917E-11	1.48586E-04	1.30496E-04	4.74917E-11
35	9.65692E-05	1.15977E-04	1.42975E-12	1.29365E-04	9.34578E-05	1.42975E-12
36	9.91018E-05	1.19057E-04	5.48992E-14	1.23556E-04	1.08198E-04	5.48992E-14
37	1.07334E-04	1.45701E-04	4.98735E-14	1.37926E-04	1.46548E-04	4.98735E-14
38	1.14508E-04	1.63229E-04	4.61024E-14	1.50166E-04	1.68320E-04	4.61024E-14
39	1.24825E-04	1.18726E-04	4.31024E-14	1.33660E-04	9.90727E-05	4.31024E-14
40	1.37540E-04	7.90008E-05	3.76745E-14	1.07216E-04	5.63354E-05	3.76745E-14
41	2.70832E-04	6.77402E-05	3.34034E-14	9.17186E-05	4.89568E-05	3.34034E-14
42	3.55967E-04	5.95425E-05	3.05990E-14	7.46433E-05	4.74956E-05	3.05990E-14
43	3.79267E-04	5.52062E-05	2.82411E-14	6.49384E-05	4.79053E-05	2.82411E-14
44	3.77300E-04	5.90064E-05	2.68989E-14	6.69792E-05	4.99857E-05	2.68989E-14
45	3.75168E-04	6.03400E-05	2.65207E-14	6.78051E-05	5.06762E-05	2.65207E-14
46	3.73094E-04	6.15216E-05	2.62033E-14	6.85345E-05	5.12908E-05	2.62033E-14
47	3.66642E-04	6.41105E-05	2.52827E-14	7.02440E-05	5.17157E-05	2.52827E-14
48	3.56572E-04	6.65010E-05	2.40724E-14	7.23151E-05	5.04278E-05	2.40724E-14
49	4.69009E-04	7.35110E-04	2.24691E-14	1.60714E-03	3.59419E-04	2.24691E-14
50	6.97406E-04	9.87494E-03	2.06428E-08	9.49799E-03	1.10861E-02	2.06428E-08
51	5.86122E-04	2.26642E-02	7.29557E-08	1.98077E-02	2.53219E-02	7.29557E-08
52	7.28427E-04	2.78760E-02	5.06677E-07	2.68510E-02	2.87960E-02	5.06677E-07
53	1.18424E-03	3.33555E-02	1.58553E-06	3.37031E-02	3.33044E-02	1.58553E-06
54	2.12104E-03	3.64880E-02	2.73202E-06	3.66735E-02	3.69143E-02	2.73202E-06
55	2.20411E-03	3.76392E-02	3.57555E-06	3.63606E-02	3.92072E-02	3.57555E-06
56	2.32813E-03	3.18062E-02	3.91235E-06	2.98052E-02	3.29103E-02	3.91235E-06
57	2.29666E-03	1.96776E-02	4.55634E-06	1.90647E-02	1.97207E-02	4.55634E-06
58	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 59 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 55

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.03729E-02	3.13115E-01	4.96356E-05	3.25173E-01	3.10160E-01	4.96356E-05
4	8.79918E-03	3.61525E-02	5.94911E-06	3.74991E-02	3.58300E-02	5.94911E-06
5	1.05123E-02	4.67387E-02	7.78092E-06	4.84479E-02	4.63369E-02	7.78092E-06
6	6.93167E-03	3.08023E-02	5.12757E-06	3.19287E-02	3.05373E-02	5.12757E-06
7	5.22505E-03	2.32186E-02	3.86507E-06	2.40675E-02	2.30189E-02	3.86507E-06
8	4.31301E-03	1.91646E-02	3.19022E-06	1.98654E-02	1.89996E-02	3.19022E-06
9	3.47138E-03	1.54254E-02	2.56773E-06	1.59894E-02	1.52928E-02	2.56773E-06
10	2.90093E-03	1.28897E-02	2.14569E-06	1.33610E-02	1.27788E-02	2.14569E-06
11	2.34307E-03	1.04106E-02	1.73303E-06	1.07912E-02	1.03212E-02	1.73303E-06

12	4.86156E-02	2.76638E-02	2.05872E-07	1.97536E-02	2.88727E-02	2.05872E-07
13	8.50129E-02	1.19827E-02	8.91066E-08	8.55571E-03	1.25051E-02	8.91066E-08
14	2.23396E-02	7.00256E-03	5.22966E-08	5.00766E-03	7.29248E-03	5.22966E-08
15	2.48807E-01	4.81585E-03	3.59508E-08	3.44269E-03	5.01394E-03	3.59508E-08
16	7.14674E-03	3.12829E-03	2.33651E-08	2.23530E-03	3.25339E-03	2.33651E-08
17	3.80645E-01	2.01852E-03	1.50106E-08	1.44559E-03	2.08454E-03	1.50106E-08
18	1.95496E-01	2.04563E-03	9.19446E-09	1.88448E-03	1.26793E-03	9.19446E-09
19	3.43803E-02	1.97226E-02	5.21189E-09	2.40166E-02	7.04741E-04	5.21189E-09
20	4.55241E-02	7.21134E-03	3.35011E-09	8.65430E-03	4.50368E-04	3.35011E-09
21	1.12569E-02	4.37415E-03	2.30234E-09	3.78420E-03	1.18330E-03	2.30234E-09
22	6.88653E-03	3.51257E-03	1.40835E-09	3.06095E-03	2.51449E-03	1.40835E-09
23	3.71844E-03	1.48520E-03	8.54459E-10	1.91059E-03	1.03912E-04	8.54459E-10
24	2.25361E-03	5.95780E-04	5.75315E-10	8.01452E-04	2.31698E-05	5.75315E-10
25	1.62137E-03	4.19125E-04	3.90956E-10	5.89624E-04	1.99359E-05	3.90956E-10
26	1.36657E-03	3.57088E-04	2.88500E-10	4.91634E-04	3.03732E-05	2.88500E-10
27	1.22840E-03	6.06354E-04	2.54571E-10	6.69379E-04	2.29466E-04	2.54571E-10
28	1.18147E-03	3.23384E-04	2.42102E-10	3.94831E-04	6.89042E-05	2.42102E-10
29	1.11204E-03	5.12986E-04	2.23499E-10	5.41881E-04	2.64570E-04	2.23499E-10
30	1.00724E-03	5.30205E-04	1.96872E-10	5.27526E-04	4.02704E-04	1.96872E-10
31	7.92472E-04	3.20951E-04	1.55660E-10	3.22572E-04	2.31105E-04	1.55660E-10
32	5.30168E-04	3.28758E-04	1.08719E-10	3.05931E-04	2.88270E-04	1.08719E-10
33	4.11997E-04	2.14435E-04	6.99664E-11	2.46716E-04	1.49011E-04	6.99664E-11
34	3.51790E-04	1.98020E-04	3.54746E-11	2.22136E-04	1.48259E-04	3.54746E-11
35	3.39014E-04	1.92342E-04	1.89862E-11	2.10849E-04	1.43335E-04	1.89862E-11
36	3.36254E-04	1.59520E-04	2.31904E-12	1.86302E-04	1.03420E-04	2.31904E-12
37	3.43780E-04	1.58208E-04	3.21128E-13	1.73587E-04	1.19974E-04	3.21128E-13
38	3.71956E-04	1.86346E-04	2.91728E-13	1.88449E-04	1.62229E-04	2.91728E-13
39	3.95929E-04	2.07546E-04	2.69672E-13	2.04381E-04	1.86431E-04	2.69672E-13
40	4.29593E-04	1.58205E-04	2.52117E-13	1.86429E-04	1.09794E-04	2.52117E-13
41	4.62504E-04	1.06557E-04	2.20374E-13	1.46377E-04	6.55468E-05	2.20374E-13
42	8.70513E-04	9.07886E-05	1.95383E-13	1.24819E-04	5.69567E-05	1.95383E-13
43	1.13281E-03	7.91061E-05	1.78982E-13	1.01759E-04	5.52699E-05	1.78982E-13
44	1.23538E-03	9.17347E-05	1.65190E-13	1.40602E-04	5.70499E-05	1.65190E-13
45	1.30984E-03	1.86176E-04	1.57340E-13	2.90762E-04	8.17056E-05	1.57340E-13
46	1.33014E-03	2.60275E-04	1.55126E-13	3.67378E-04	1.09023E-04	1.55126E-13
47	1.34736E-03	3.45675E-04	2.49591E-11	4.54412E-04	1.42797E-04	2.49591E-11
48	1.40185E-03	6.02385E-04	2.69744E-08	7.02915E-04	2.45734E-04	2.69744E-08
49	1.48100E-03	9.09135E-04	2.06631E-07	1.09281E-03	4.13520E-04	2.06631E-07
50	1.94527E-03	1.02245E-02	3.55763E-07	5.99504E-03	1.38033E-02	3.55763E-07
51	2.69945E-03	3.03509E-02	1.99107E-06	2.10529E-02	3.79366E-02	1.99107E-06
52	2.09609E-03	3.61229E-02	4.45167E-06	3.13920E-02	3.95682E-02	4.45167E-06
53	2.26966E-03	3.92728E-02	6.86970E-06	3.81491E-02	4.00624E-02	6.86970E-06
54	2.58477E-03	4.09179E-02	7.51583E-06	4.13639E-02	4.07696E-02	7.51583E-06
55	2.67944E-03	4.08228E-02	5.48663E-06	4.14035E-02	4.10832E-02	5.48663E-06
56	3.53724E-03	4.08950E-02	5.57304E-06	4.00517E-02	4.20355E-02	5.57304E-06
57	4.63135E-03	3.41191E-02	4.84353E-06	3.27573E-02	3.45521E-02	4.84353E-06
58	4.07040E-03	2.27842E-02	3.81249E-06	2.32697E-02	2.19389E-02	3.81249E-06
59	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 60 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 56

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.01477E-01	3.60204E-01	5.88328E-05	3.73738E-01	3.56903E-01	5.88328E-05
4	1.09680E-02	4.31974E-02	7.06080E-06	4.48224E-02	4.28048E-02	7.06080E-06
5	1.11090E-02	4.94392E-02	8.23048E-06	5.12468E-02	4.90142E-02	8.23048E-06
6	5.82988E-03	2.59084E-02	4.31288E-06	2.68558E-02	2.56858E-02	4.31288E-06
7	4.16578E-03	1.85116E-02	3.08160E-06	1.91884E-02	1.83525E-02	3.08160E-06
8	3.29911E-03	1.46602E-02	2.44041E-06	1.51962E-02	1.45342E-02	2.44041E-06
9	2.80022E-03	1.24425E-02	2.07124E-06	1.28975E-02	1.23353E-02	2.07124E-06

10	2.31418E-03	1.02831E-02	1.71175E-06	1.06592E-02	1.01946E-02	1.71175E-06
11	1.96681E-03	8.73929E-03	1.45475E-06	9.05907E-03	8.66392E-03	1.45475E-06
12	1.61351E-03	7.16914E-03	1.19344E-06	7.43132E-03	7.10753E-03	1.19344E-06
13	4.78974E-02	2.33818E-02	8.82579E-07	1.86718E-02	2.75073E-02	8.82579E-07
14	8.07999E-02	1.01274E-02	3.82000E-07	8.08506E-03	1.19136E-02	3.82000E-07
15	2.43809E-02	5.86289E-03	2.24194E-07	4.70720E-03	6.87023E-03	2.24194E-07
16	2.84375E-01	4.03146E-03	1.54114E-07	3.23343E-03	4.72335E-03	1.54114E-07
17	8.44387E-03	2.61770E-03	1.00165E-07	2.09504E-03	3.06447E-03	1.00165E-07
18	3.38898E-01	1.68517E-03	6.43474E-08	1.34501E-03	1.96273E-03	6.43474E-08
19	1.74240E-01	1.51985E-03	3.94155E-08	1.42188E-03	1.19254E-03	3.94155E-08
20	3.12833E-02	1.21121E-02	2.23427E-08	1.47139E-02	6.59547E-04	2.23427E-08
21	4.07430E-02	4.46160E-03	1.43611E-08	5.33803E-03	4.11750E-04	1.43611E-08
22	1.01414E-02	2.57792E-03	9.86980E-09	2.28675E-03	7.45006E-04	9.86980E-09
23	6.19825E-03	1.88238E-03	6.03728E-09	1.82720E-03	1.16843E-03	6.03728E-09
24	3.34426E-03	6.37728E-04	3.66283E-09	8.19061E-04	6.84406E-05	3.66283E-09
25	2.03122E-03	3.60972E-04	2.46608E-09	4.90199E-04	1.34750E-05	2.46608E-09
26	1.46333E-03	2.88458E-04	1.67576E-09	4.48743E-04	9.39395E-06	1.67576E-09
27	1.23315E-03	2.61502E-04	1.23650E-09	4.00321E-04	1.67574E-05	1.23650E-09
28	1.10867E-03	3.80285E-04	1.09096E-09	3.80396E-04	2.26920E-04	1.09096E-09
29	1.06672E-03	2.39044E-04	1.03747E-09	2.92141E-04	6.11193E-05	1.03747E-09
30	1.00455E-03	3.66229E-04	9.57771E-10	3.77458E-04	2.41096E-04	9.57771E-10
31	9.10520E-04	2.87378E-04	8.43550E-10	3.70729E-04	1.57148E-04	8.43550E-10
32	7.18216E-04	1.62417E-04	6.66739E-10	1.97762E-04	8.68565E-05	6.66739E-10
33	4.83205E-04	1.63657E-04	4.65314E-10	1.71086E-04	1.27415E-04	4.65314E-10
34	3.76273E-04	1.11170E-04	2.98981E-10	1.41592E-04	6.59105E-05	2.98981E-10
35	3.21570E-04	1.04609E-04	1.49840E-10	1.29183E-04	6.77197E-05	1.49840E-10
36	3.09384E-04	1.02336E-04	6.14602E-11	1.22710E-04	6.57845E-05	6.14602E-11
37	3.06951E-04	8.91341E-05	2.76917E-12	1.12499E-04	4.79213E-05	2.76917E-12
38	3.14306E-04	8.72743E-05	.00000E+00	1.04596E-04	5.56582E-05	.00000E+00
39	3.40342E-04	1.00234E-04	.00000E+00	1.11580E-04	7.52867E-05	.00000E+00
40	3.63137E-04	1.12331E-04	.00000E+00	1.22189E-04	8.64931E-05	.00000E+00
41	3.96259E-04	9.03739E-05	.00000E+00	1.15342E-04	5.08834E-05	.00000E+00
42	4.42019E-04	5.66253E-05	.00000E+00	8.77662E-05	2.29789E-05	.00000E+00
43	9.01457E-04	5.61090E-05	.00000E+00	8.50982E-05	2.27982E-05	.00000E+00
44	1.27205E-03	1.96216E-04	.00000E+00	2.69612E-04	8.23286E-05	.00000E+00
45	1.52983E-03	5.93042E-04	.00000E+00	6.60512E-04	2.29751E-04	.00000E+00
46	1.75050E-03	9.19890E-04	.00000E+00	9.60496E-04	3.30347E-04	.00000E+00
47	1.81625E-03	1.00949E-03	.00000E+00	1.04386E-03	3.55716E-04	.00000E+00
48	1.87344E-03	1.09988E-03	.00000E+00	1.12572E-03	3.82354E-04	.00000E+00
49	2.05147E-03	9.50566E-04	.00000E+00	1.07213E-03	3.22332E-04	.00000E+00
50	2.31066E-03	3.99969E-03	.00000E+00	2.60073E-03	4.53050E-03	.00000E+00
51	2.69379E-03	1.23105E-02	.00000E+00	9.55684E-03	1.30497E-02	.00000E+00
52	3.02344E-03	1.94524E-02	5.08642E-07	2.06461E-02	1.59124E-02	5.08642E-07
53	2.29774E-03	2.35969E-02	1.79365E-06	2.66084E-02	1.95519E-02	1.79365E-06
54	2.51254E-03	2.51278E-02	3.38149E-06	2.94587E-02	2.08568E-02	3.38149E-06
55	2.93153E-03	2.45225E-02	2.89472E-06	2.76983E-02	2.13718E-02	2.89472E-06
56	2.95076E-03	2.40532E-02	1.82751E-06	2.68030E-02	2.19537E-02	1.82751E-06
57	3.64375E-03	2.64757E-02	1.52171E-06	2.94640E-02	2.28566E-02	1.52171E-06
58	4.30283E-03	1.98110E-02	1.29280E-06	1.97458E-02	1.88483E-02	1.29280E-06
59	3.85947E-03	1.54166E-02	8.36704E-07	1.72140E-02	1.37236E-02	8.36704E-07
60	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 61 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 57

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.26754E-01	4.28692E-01	7.06720E-05	4.44717E-01	4.24758E-01	7.06720E-05
4	1.96185E-02	7.58062E-02	1.23512E-05	7.86728E-02	7.51094E-02	1.23512E-05
5	2.02359E-02	9.01083E-02	1.50022E-05	9.34009E-02	8.93344E-02	1.50022E-05
6	1.18888E-02	5.28361E-02	8.79540E-06	5.47685E-02	5.23814E-02	8.79540E-06

7	7.09763E-03	3.15409E-02	5.25053E-06	3.26942E-02	3.12697E-02	5.25053E-06
8	5.36831E-03	2.38558E-02	3.97115E-06	2.47279E-02	2.36508E-02	3.97115E-06
9	4.38386E-03	1.94805E-02	3.24280E-06	2.01927E-02	1.93130E-02	3.24280E-06
10	3.78117E-03	1.68018E-02	2.79684E-06	1.74163E-02	1.66571E-02	2.79684E-06
11	3.17021E-03	1.40869E-02	2.34493E-06	1.46021E-02	1.39656E-02	2.34493E-06
12	2.71801E-03	1.20771E-02	2.01037E-06	1.25189E-02	1.19729E-02	2.01037E-06
13	2.24697E-03	9.98383E-03	1.66196E-06	1.03489E-02	9.89801E-03	1.66196E-06
14	7.88915E-02	1.36162E-02	6.33034E-09	1.76806E-02	1.28960E-02	6.33034E-09
15	1.37416E-01	5.89805E-03	2.74286E-09	7.65160E-03	5.58557E-03	2.74286E-09
16	3.13217E-02	3.43357E-03	1.61091E-09	4.47165E-03	3.23503E-03	1.61091E-09
17	2.86602E-01	2.36146E-03	1.10730E-09	3.06533E-03	2.22433E-03	1.10730E-09
18	1.08007E-02	1.53411E-03	7.19655E-10	1.97599E-03	1.44345E-03	7.19655E-10
19	3.30251E-01	9.88869E-04	4.62352E-10	1.25253E-03	9.25148E-04	4.62352E-10
20	1.71818E-01	8.87934E-04	2.83161E-10	1.09298E-03	5.63209E-04	2.83161E-10
21	3.26715E-02	6.96429E-03	1.60576E-10	8.58764E-03	3.14207E-04	1.60576E-10
22	4.03823E-02	2.58516E-03	1.03208E-10	3.15841E-03	2.04295E-04	1.03208E-10
23	1.05846E-02	2.05768E-03	7.09592E-11	1.66540E-03	6.58471E-04	7.09592E-11
24	6.41683E-03	1.29880E-03	4.34401E-11	1.37261E-03	9.25010E-04	4.34401E-11
25	3.46588E-03	4.27955E-04	2.63262E-11	5.81312E-04	5.20367E-05	2.63262E-11
26	2.11782E-03	2.18261E-04	1.77473E-11	3.26552E-04	1.10043E-05	1.77473E-11
27	1.53246E-03	2.70690E-04	1.20870E-11	4.66752E-04	9.22286E-06	1.20870E-11
28	1.29166E-03	2.99768E-04	8.94759E-12	4.88616E-04	1.20718E-05	8.94759E-12
29	1.16332E-03	3.26183E-04	7.91496E-12	4.05730E-04	1.03744E-04	7.91496E-12
30	1.12211E-03	2.49058E-04	7.54041E-12	3.31531E-04	3.11949E-05	7.54041E-12
31	1.06086E-03	3.14130E-04	6.96532E-12	3.94918E-04	1.16922E-04	6.96532E-12
32	9.66160E-04	2.90214E-04	6.15323E-12	4.32092E-04	1.14548E-04	6.15323E-12
33	7.75705E-04	1.63424E-04	4.91797E-12	2.24939E-04	6.23544E-05	4.91797E-12
34	5.45930E-04	1.51856E-04	3.73859E-12	1.86116E-04	8.74324E-05	3.73859E-12
35	4.40595E-04	1.10311E-04	3.23697E-12	1.59093E-04	4.53291E-05	3.23697E-12
36	3.85485E-04	1.03607E-04	1.79680E-12	1.46494E-04	4.64084E-05	1.79680E-12
37	3.74399E-04	1.02708E-04	9.79943E-13	1.41380E-04	4.48618E-05	9.79943E-13
38	3.74286E-04	9.17879E-05	3.90153E-13	1.31683E-04	3.08363E-05	3.90153E-13
39	3.88948E-04	8.70378E-05	3.21128E-13	1.21837E-04	3.54101E-05	3.21128E-13
40	4.24793E-04	9.67695E-05	2.91728E-13	1.29969E-04	4.74512E-05	2.91728E-13
41	4.60418E-04	1.07155E-04	2.69672E-13	1.41294E-04	5.46085E-05	2.69672E-13
42	5.19143E-04	9.58569E-05	2.52117E-13	1.41496E-04	3.22553E-05	2.52117E-13
43	7.25141E-04	7.31717E-05	2.20374E-13	1.45085E-04	1.53311E-05	2.20374E-13
44	2.03005E-03	4.98169E-03	1.95383E-13	1.00708E-02	5.99519E-05	1.95383E-13
45	3.26980E-03	1.41306E-02	1.78982E-13	2.99125E-02	1.06110E-04	1.78982E-13
46	4.16601E-03	1.77849E-02	1.65190E-13	3.75127E-02	3.69985E-04	1.65190E-13
47	4.57236E-03	2.04832E-02	1.57340E-13	4.12080E-02	2.00803E-03	1.57340E-13
48	4.68388E-03	2.11910E-02	1.55126E-13	4.19011E-02	2.71379E-03	1.55126E-13
49	4.78062E-03	2.18759E-02	1.53272E-13	4.25921E-02	3.33898E-03	1.53272E-13
50	5.07755E-03	2.44749E-02	1.47884E-13	4.58166E-02	5.29550E-03	1.47884E-13
51	5.50226E-03	2.99261E-02	1.40809E-13	5.41763E-02	8.18249E-03	1.40809E-13
52	5.83307E-03	4.08793E-02	1.31427E-13	7.32881E-02	1.42747E-02	1.31427E-13
53	5.83148E-03	5.88024E-02	1.15108E-13	9.11511E-02	3.00821E-02	1.15108E-13
54	4.97348E-03	6.97285E-02	1.01397E-09	9.52227E-02	4.54270E-02	1.01397E-09
55	5.55084E-03	7.44751E-02	1.53487E-08	9.52133E-02	5.33738E-02	1.53487E-08
56	6.12121E-03	7.90051E-02	8.47091E-08	9.74183E-02	5.98959E-02	8.47091E-08
57	6.85158E-03	8.29341E-02	2.11621E-07	9.78170E-02	6.61382E-02	2.11621E-07
58	7.75683E-03	8.35240E-02	3.40965E-07	9.12526E-02	7.19885E-02	3.40965E-07
59	7.85335E-03	7.25038E-02	3.06011E-07	7.78085E-02	6.09872E-02	3.06011E-07
60	7.37267E-03	5.51628E-02	2.25037E-07	6.04649E-02	4.83639E-02	2.25037E-07
61	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 62 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 58

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

3	1.67230E-01	5.02359E-01	8.24705E-05	5.21318E-01	4.97598E-01	8.24705E-05
4	1.95489E-02	6.44971E-02	1.02388E-05	6.70365E-02	6.38540E-02	1.02388E-05
5	1.60673E-02	7.17110E-02	1.19460E-05	7.43306E-02	7.10958E-02	1.19460E-05
6	8.41290E-03	3.73941E-02	6.22537E-06	3.87611E-02	3.70727E-02	6.22537E-06
7	5.52907E-03	2.45718E-02	4.09036E-06	2.54703E-02	2.43605E-02	4.09036E-06
8	3.62569E-03	1.61121E-02	2.68218E-06	1.67013E-02	1.59736E-02	2.68218E-06
9	2.83650E-03	1.26048E-02	2.09826E-06	1.30656E-02	1.24966E-02	2.09826E-06
10	2.35475E-03	1.04638E-02	1.74184E-06	1.08464E-02	1.03737E-02	1.74184E-06
11	2.04750E-03	9.09799E-03	1.51451E-06	9.43084E-03	9.01956E-03	1.51451E-06
12	1.72850E-03	7.68055E-03	1.27854E-06	7.96140E-03	7.61445E-03	1.27854E-06
13	1.48772E-03	6.61059E-03	1.10043E-06	6.85232E-03	6.55369E-03	1.10043E-06
14	1.23387E-03	5.48244E-03	9.12623E-07	5.68292E-03	5.43533E-03	9.12623E-07
15	4.54665E-02	9.08383E-03	3.97972E-09	1.43329E-02	6.73532E-03	3.97972E-09
16	7.62722E-02	3.93463E-03	1.72592E-09	6.20735E-03	2.91723E-03	1.72592E-09
17	1.53328E-02	2.31333E-03	1.01428E-09	3.64613E-03	1.71699E-03	1.01428E-09
18	1.00066E-01	1.59082E-03	6.97183E-10	2.50652E-03	1.18050E-03	6.97183E-10
19	6.55204E-03	1.03380E-03	4.53074E-10	1.62755E-03	7.66010E-04	4.53074E-10
20	1.56613E-01	6.69294E-04	2.91105E-10	1.05016E-03	4.90810E-04	2.91105E-10
21	8.16449E-02	8.39158E-04	1.78255E-10	1.17146E-03	2.98563E-04	1.78255E-10
22	1.55117E-02	1.03075E-02	1.01124E-10	1.28163E-02	1.65987E-04	1.01124E-10
23	1.91435E-02	3.72073E-03	6.49905E-11	4.63775E-03	1.06266E-04	6.49905E-11
24	5.12298E-03	1.67690E-03	4.47004E-11	1.74571E-03	2.86501E-04	4.47004E-11
25	3.11258E-03	2.12108E-03	2.73844E-11	2.01786E-03	1.77211E-03	2.73844E-11
26	1.68151E-03	4.39055E-04	1.65796E-11	6.24341E-04	2.68168E-05	1.65796E-11
27	1.03085E-03	3.09476E-04	1.11895E-11	4.44141E-04	5.52533E-06	1.11895E-11
28	7.50752E-04	2.09975E-04	7.63494E-12	3.90614E-04	5.71757E-06	7.63494E-12
29	6.35112E-04	1.51048E-04	5.66769E-12	2.99927E-04	9.18129E-06	5.66769E-12
30	5.72815E-04	1.28577E-04	5.02484E-12	1.53860E-04	5.04146E-05	5.02484E-12
31	5.53732E-04	1.12451E-04	4.79399E-12	1.66420E-04	2.05804E-05	4.79399E-12
32	5.25197E-04	1.63327E-04	4.43084E-12	2.36335E-04	8.04369E-05	4.43084E-12
33	4.80293E-04	2.59249E-04	3.92379E-12	3.52404E-04	2.06795E-04	3.92379E-12
34	3.90247E-04	1.33809E-04	3.16534E-12	1.68219E-04	1.08136E-04	3.16534E-12
35	2.82320E-04	1.23878E-04	2.08745E-12	1.39756E-04	1.16734E-04	2.08745E-12
36	2.32399E-04	8.19137E-05	7.46082E-13	1.19483E-04	6.02249E-05	7.46082E-13
37	2.05865E-04	7.49088E-05	5.76289E-13	1.06500E-04	5.73715E-05	5.76289E-13
38	2.01060E-04	7.08582E-05	4.85940E-13	9.53304E-05	5.51614E-05	4.85940E-13
39	2.02206E-04	5.74841E-05	4.23571E-13	8.27935E-05	3.75891E-05	4.23571E-13
40	2.12225E-04	5.74635E-05	3.76025E-13	7.71854E-05	4.31786E-05	3.76025E-13
41	2.37829E-04	6.78344E-05	3.41598E-13	8.27004E-05	5.85790E-05	3.41598E-13
42	2.70696E-04	7.71296E-05	3.15768E-13	9.09029E-05	6.73101E-05	3.15768E-13
43	3.28385E-04	8.55338E-03	2.95215E-13	3.91322E-03	1.26966E-02	2.95215E-13
44	6.68907E-04	2.36974E-02	2.58048E-13	1.14002E-02	3.51169E-02	2.58048E-13
45	1.98613E-03	4.16283E-02	2.28787E-13	1.96930E-02	6.15437E-02	2.28787E-13
46	2.98065E-03	4.09359E-02	2.09581E-13	1.94298E-02	6.02546E-02	2.09581E-13
47	3.60326E-03	5.36898E-02	1.93437E-13	2.53725E-02	7.90200E-02	1.93437E-13
48	3.77462E-03	5.27394E-02	1.84240E-13	2.50549E-02	7.74345E-02	1.84240E-13
49	3.81456E-03	5.11735E-02	1.81648E-13	2.43899E-02	7.50732E-02	1.81648E-13
50	3.84925E-03	5.41220E-02	1.79480E-13	2.58087E-02	7.93521E-02	1.79480E-13
51	3.95203E-03	5.43044E-02	1.73170E-13	2.65698E-02	7.85613E-02	1.73170E-13
52	4.09397E-03	5.70699E-02	1.64877E-13	2.85667E-02	8.14615E-02	1.64877E-13
53	4.10209E-03	6.72162E-02	1.53899E-13	3.40969E-02	9.52764E-02	1.53899E-13
54	3.95965E-03	7.43799E-02	1.34794E-13	4.09761E-02	1.03179E-01	1.34794E-13
55	3.92360E-03	8.06358E-02	1.29731E-09	4.63864E-02	1.09917E-01	1.29731E-09
56	4.37234E-03	8.08427E-02	6.10984E-09	4.87730E-02	1.07929E-01	6.10984E-09
57	4.35456E-03	8.07313E-02	3.07772E-08	4.97106E-02	1.06544E-01	3.07772E-08
58	4.96677E-03	8.08159E-02	9.26731E-08	5.08221E-02	1.05451E-01	9.26731E-08
59	5.38419E-03	8.03891E-02	9.40553E-08	5.02513E-02	1.04363E-01	9.40553E-08
60	5.12334E-03	6.56777E-02	7.68824E-08	4.11464E-02	8.38563E-02	7.68824E-08
61	5.03855E-03	4.86136E-02	6.46043E-08	3.05501E-02	6.24036E-02	6.46043E-08
62	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 63 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 59

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.01987E-01	5.50730E-01	8.98122E-05	5.71711E-01	5.45388E-01	8.98122E-05
4	1.88037E-02	5.10060E-02	7.74389E-06	5.31236E-02	5.04492E-02	7.74389E-06
5	1.45674E-02	6.54713E-02	1.09089E-05	6.78569E-02	6.49120E-02	1.09089E-05
6	7.86749E-03	3.49862E-02	5.82600E-06	3.62653E-02	3.46853E-02	5.82600E-06
7	4.50576E-03	2.00268E-02	3.33396E-06	2.07589E-02	1.98546E-02	3.33396E-06
8	3.12694E-03	1.38960E-02	2.31326E-06	1.44042E-02	1.37764E-02	2.31326E-06
9	2.12730E-03	9.45382E-03	1.57373E-06	9.79937E-03	9.37264E-03	1.57373E-06
10	1.68318E-03	7.47965E-03	1.24513E-06	7.75316E-03	7.41533E-03	1.24513E-06
11	1.40434E-03	6.24032E-03	1.03878E-06	6.46850E-03	6.18662E-03	1.03878E-06
12	1.22382E-03	5.43809E-03	9.05247E-07	5.63694E-03	5.39129E-03	9.05247E-07
13	1.03491E-03	4.59860E-03	7.65500E-07	4.76676E-03	4.55902E-03	7.65500E-07
14	8.91484E-04	3.96133E-03	6.59421E-07	4.10618E-03	3.92723E-03	6.59421E-07
15	7.39804E-04	3.28706E-03	5.47183E-07	3.40728E-03	3.25882E-03	5.47183E-07
16	2.91774E-02	2.37815E-03	.00000E+00	1.89355E-03	1.19608E-03	.00000E+00
17	4.94546E-02	1.03049E-03	.00000E+00	8.20238E-04	5.18226E-04	.00000E+00
18	9.51232E-03	6.04259E-04	.00000E+00	4.81024E-04	3.02790E-04	.00000E+00
19	4.44761E-02	4.16070E-04	.00000E+00	3.30775E-04	2.08445E-04	.00000E+00
20	4.65988E-03	2.71181E-04	.00000E+00	2.15000E-04	1.35646E-04	.00000E+00
21	8.13821E-02	1.77182E-04	.00000E+00	1.40247E-04	8.75626E-05	.00000E+00
22	4.27431E-02	2.49481E-04	.00000E+00	2.57465E-04	5.45334E-05	.00000E+00
23	8.33825E-03	3.31871E-03	.00000E+00	4.06871E-03	3.33655E-05	.00000E+00
24	1.00490E-02	1.21481E-03	.00000E+00	1.46368E-03	3.05413E-05	.00000E+00
25	2.77071E-03	1.24637E-03	.00000E+00	8.99861E-04	4.01146E-04	.00000E+00
26	1.68234E-03	4.42767E-04	.00000E+00	5.86763E-04	1.46528E-04	.00000E+00
27	9.08624E-04	1.97118E-04	.00000E+00	2.49782E-04	2.56027E-05	.00000E+00
28	5.58983E-04	1.06395E-04	.00000E+00	1.48918E-04	5.40615E-06	.00000E+00
29	4.09199E-04	7.18812E-05	.00000E+00	9.97086E-05	4.68492E-06	.00000E+00
30	3.46737E-04	5.58326E-05	.00000E+00	7.53175E-05	3.41570E-06	.00000E+00
31	3.13144E-04	5.59866E-05	.00000E+00	7.33311E-05	6.55341E-06	.00000E+00
32	3.03349E-04	4.80546E-05	.00000E+00	6.33094E-05	3.74616E-06	.00000E+00
33	2.88554E-04	4.86472E-05	.00000E+00	5.96816E-05	7.99787E-06	.00000E+00
34	2.64865E-04	4.37685E-05	.00000E+00	5.18344E-05	1.35801E-05	.00000E+00
35	2.17582E-04	2.60121E-05	.00000E+00	3.15411E-05	7.55092E-06	.00000E+00
36	1.61468E-04	2.11942E-05	.00000E+00	2.46326E-05	8.96220E-06	.00000E+00
37	1.35383E-04	1.55426E-05	.00000E+00	1.98673E-05	4.78099E-06	.00000E+00
38	1.21345E-04	1.37281E-05	.00000E+00	1.74459E-05	4.76020E-06	.00000E+00
39	1.18906E-04	1.35874E-05	.00000E+00	1.68501E-05	4.61249E-06	.00000E+00
40	1.20087E-04	1.28698E-05	.00000E+00	1.62469E-05	3.46019E-06	.00000E+00
41	1.26982E-04	1.17440E-05	.00000E+00	1.44167E-05	3.95039E-06	.00000E+00
42	1.46720E-04	1.35438E-05	.00000E+00	1.59778E-05	5.23688E-06	.00000E+00
43	1.76384E-04	1.81505E-05	.00000E+00	2.13471E-05	5.96521E-06	.00000E+00
44	2.25539E-04	2.20257E-05	.00000E+00	2.74318E-05	3.58554E-06	.00000E+00
45	5.10849E-04	4.34100E-05	.00000E+00	5.37877E-05	3.45173E-06	.00000E+00
46	1.44814E-03	1.13182E-04	.00000E+00	1.74720E-04	2.99927E-06	.00000E+00
47	2.08190E-03	1.98873E-04	.00000E+00	3.27305E-04	2.90959E-06	.00000E+00
48	2.44607E-03	2.77744E-04	.00000E+00	4.58008E-04	2.94695E-06	.00000E+00
49	2.51384E-03	3.02844E-04	.00000E+00	5.36545E-04	3.45418E-06	.00000E+00
50	2.52642E-03	3.14069E-04	.00000E+00	5.65260E-04	5.32694E-06	.00000E+00
51	2.53690E-03	3.26296E-04	.00000E+00	5.92032E-04	7.96434E-06	.00000E+00
52	2.56682E-03	3.56886E-04	.00000E+00	6.58598E-04	1.29103E-05	.00000E+00
53	2.60493E-03	3.90187E-04	.00000E+00	7.37430E-04	1.51873E-05	.00000E+00
54	2.57622E-03	4.92304E-04	.00000E+00	9.26325E-04	2.23419E-05	.00000E+00
55	2.50680E-03	1.74436E-03	.00000E+00	2.66004E-03	1.24750E-04	.00000E+00
56	2.59606E-03	2.16592E-03	.00000E+00	3.33997E-03	2.80512E-04	.00000E+00
57	2.83870E-03	4.90088E-03	2.52181E-07	4.71783E-03	4.29793E-03	2.52181E-07

58	2.68980E-03	4.24345E-03	1.46863E-06	4.59954E-03	3.03538E-03	1.46863E-06
59	3.10423E-03	4.08143E-03	1.08752E-06	4.90276E-03	2.23026E-03	1.08752E-06
60	3.31254E-03	3.94796E-03	8.05472E-07	5.30237E-03	1.34813E-03	8.05472E-07
61	3.06205E-03	3.71335E-03	7.29385E-07	5.24013E-03	7.41286E-04	7.29385E-07
62	3.07672E-03	3.66021E-03	7.57249E-07	4.69843E-03	1.56452E-03	7.57249E-07
63	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 64 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 60

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.39508E-01	5.87802E-01	9.55945E-05	6.10476E-01	5.81875E-01	9.55945E-05
4	2.48578E-02	6.66337E-02	1.01015E-05	6.94063E-02	6.59027E-02	1.01015E-05
5	2.05448E-02	9.29839E-02	1.54758E-05	9.63653E-02	9.21972E-02	1.54758E-05
6	1.38461E-02	6.17539E-02	1.02761E-05	6.40099E-02	6.12232E-02	1.02761E-05
7	7.94188E-03	3.52971E-02	5.87764E-06	3.65875E-02	3.49937E-02	5.87764E-06
8	4.88819E-03	2.17265E-02	3.61689E-06	2.25205E-02	2.15399E-02	3.61689E-06
9	3.51430E-03	1.56173E-02	2.59981E-06	1.61885E-02	1.54829E-02	2.59981E-06
10	2.44124E-03	1.08487E-02	1.80596E-06	1.12454E-02	1.07555E-02	1.80596E-06
11	1.94238E-03	8.63160E-03	1.43689E-06	8.94707E-03	8.55745E-03	1.43689E-06
12	1.62407E-03	7.21688E-03	1.20135E-06	7.48076E-03	7.15481E-03	1.20135E-06
13	1.41650E-03	6.29426E-03	1.04774E-06	6.52441E-03	6.24011E-03	1.04774E-06
14	1.19839E-03	5.32511E-03	8.86436E-07	5.51984E-03	5.27927E-03	8.86436E-07
15	1.03245E-03	4.58755E-03	7.63656E-07	4.75530E-03	4.54805E-03	7.63656E-07
16	8.56669E-04	3.80631E-03	6.33611E-07	3.94549E-03	3.77361E-03	6.33611E-07
17	3.66112E-02	7.26220E-03	.00000E+00	3.80280E-03	1.02885E-02	.00000E+00
18	6.12421E-02	3.14546E-03	.00000E+00	1.64698E-03	4.45613E-03	.00000E+00
19	1.16324E-02	1.82245E-03	.00000E+00	9.55875E-04	2.58002E-03	.00000E+00
20	3.98852E-02	1.25293E-03	.00000E+00	6.56960E-04	1.77367E-03	.00000E+00
21	6.40407E-03	8.12982E-04	.00000E+00	4.26018E-04	1.15058E-03	.00000E+00
22	1.64624E-01	5.21505E-04	.00000E+00	2.73388E-04	7.36655E-04	.00000E+00
23	8.51013E-02	3.79155E-04	.00000E+00	2.42477E-04	4.47031E-04	.00000E+00
24	1.50712E-02	1.63685E-03	.00000E+00	1.89796E-03	2.45938E-04	.00000E+00
25	1.97683E-02	6.25311E-04	.00000E+00	6.94819E-04	1.49580E-04	.00000E+00
26	5.08969E-03	3.08300E-04	.00000E+00	2.72504E-04	1.29745E-04	.00000E+00
27	3.12794E-03	2.19001E-04	.00000E+00	3.58075E-04	1.26418E-04	.00000E+00
28	1.68715E-03	8.64899E-05	.00000E+00	1.42469E-04	1.55219E-05	.00000E+00
29	1.02819E-03	4.53660E-05	.00000E+00	8.01480E-05	2.37385E-06	.00000E+00
30	7.49074E-04	4.66270E-05	.00000E+00	7.94056E-05	1.27746E-06	.00000E+00
31	6.35438E-04	5.20593E-05	.00000E+00	7.72012E-05	4.61487E-06	.00000E+00
32	5.72789E-04	1.03766E-04	.00000E+00	9.27533E-05	8.54113E-05	.00000E+00
33	5.53455E-04	5.51657E-05	.00000E+00	6.58386E-05	2.15929E-05	.00000E+00
34	5.24334E-04	9.88846E-05	.00000E+00	8.42195E-05	8.81091E-05	.00000E+00
35	4.79012E-04	7.05608E-05	.00000E+00	6.88049E-05	5.63165E-05	.00000E+00
36	3.86330E-04	4.25148E-05	.00000E+00	3.98245E-05	3.49768E-05	.00000E+00
37	2.74417E-04	5.99042E-05	.00000E+00	4.16887E-05	6.93441E-05	.00000E+00
38	2.22855E-04	3.49358E-05	.00000E+00	2.80882E-05	3.57232E-05	.00000E+00
39	1.96537E-04	3.74495E-05	.00000E+00	2.77525E-05	4.14046E-05	.00000E+00
40	1.91727E-04	3.72149E-05	.00000E+00	2.71869E-05	4.09102E-05	.00000E+00
41	1.92985E-04	2.99894E-05	.00000E+00	2.36766E-05	2.99737E-05	.00000E+00
42	2.02436E-04	3.20109E-05	.00000E+00	2.33356E-05	3.49402E-05	.00000E+00
43	2.43099E-04	4.30571E-05	.00000E+00	5.34148E-05	4.74506E-05	.00000E+00
44	3.11742E-04	5.56286E-05	.00000E+00	2.01356E-04	5.45472E-05	.00000E+00
45	4.17724E-04	5.22327E-05	.00000E+00	2.88470E-04	3.20727E-05	.00000E+00
46	8.40712E-04	9.36313E-05	.00000E+00	4.44057E-04	2.34935E-05	.00000E+00
47	2.00909E-03	1.97287E-04	.00000E+00	6.50214E-04	2.04305E-05	.00000E+00
48	2.72996E-03	3.13303E-04	.00000E+00	8.29675E-04	1.98370E-05	.00000E+00
49	3.09996E-03	4.09727E-04	.00000E+00	9.45407E-04	2.00300E-05	.00000E+00
50	3.13127E-03	4.26600E-04	.00000E+00	9.62015E-04	2.09069E-05	.00000E+00
51	3.13125E-03	4.31116E-04	.00000E+00	9.66146E-04	2.11991E-05	.00000E+00

52	3.13054E-03	4.35173E-04	.00000E+00	9.70191E-04	2.14579E-05	.00000E+00
53	3.12593E-03	4.46363E-04	.00000E+00	9.86439E-04	2.16427E-05	.00000E+00
54	3.11329E-03	4.62468E-04	.00000E+00	1.04830E-03	2.14107E-05	.00000E+00
55	3.04229E-03	5.39490E-04	.00000E+00	1.21496E-03	2.65564E-05	.00000E+00
56	2.97757E-03	1.18907E-03	.00000E+00	2.17067E-03	1.73876E-05	.00000E+00
57	3.18934E-03	1.35124E-03	.00000E+00	2.43868E-03	4.09359E-05	.00000E+00
58	3.46260E-03	1.30879E-03	1.87015E-09	2.36161E-03	1.10726E-04	1.87015E-09
59	3.17624E-03	1.34469E-03	4.27296E-08	2.35143E-03	2.55001E-04	4.27296E-08
60	3.65890E-03	2.03340E-03	1.43269E-07	3.12943E-03	3.98072E-04	1.43269E-07
61	3.85131E-03	2.47257E-03	2.49183E-07	3.50897E-03	5.60658E-04	2.49183E-07
62	3.50673E-03	2.36031E-03	2.26617E-07	3.18056E-03	7.57496E-04	2.26617E-07
63	3.58605E-03	2.10181E-03	1.64664E-07	3.03080E-03	6.85519E-04	1.64664E-07
64	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 65 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 61

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.59158E-01	6.76909E-01	1.08251E-04	7.04099E-01	6.69256E-01	1.08251E-04
4	5.94377E-02	1.86273E-01	2.92814E-05	1.93689E-01	1.84373E-01	2.92814E-05
5	5.05113E-02	2.25879E-01	3.76638E-05	2.34110E-01	2.23952E-01	3.76638E-05
6	3.69417E-02	1.65115E-01	2.74196E-05	1.71146E-01	1.63704E-01	2.74196E-05
7	2.68964E-02	1.19627E-01	1.99066E-05	1.23998E-01	1.18598E-01	1.99066E-05
8	1.95997E-02	8.02868E-02	1.31764E-05	8.32766E-02	7.95726E-02	1.31764E-05
9	2.59258E-02	6.75271E-02	9.60436E-06	7.03983E-02	6.67793E-02	9.60436E-06
10	3.98924E-02	7.85096E-02	8.45206E-06	8.24088E-02	7.74522E-02	8.45206E-06
11	6.00833E-02	1.08353E-01	8.44889E-06	1.14479E-01	1.06655E-01	8.44889E-06
12	7.52871E-02	1.36474E-01	9.14849E-06	1.44469E-01	1.34266E-01	9.14849E-06
13	8.86879E-02	1.62247E-01	1.00095E-05	1.71887E-01	1.59613E-01	1.00095E-05
14	9.84877E-02	1.83409E-01	1.08008E-05	1.94374E-01	1.80453E-01	1.08008E-05
15	1.12541E-01	2.10605E-01	1.19053E-05	2.23283E-01	2.07177E-01	1.19053E-05
16	1.25179E-01	2.38140E-01	1.31043E-05	2.52523E-01	2.34299E-01	1.31043E-05
17	1.41950E-01	2.71316E-01	1.46091E-05	2.87753E-01	2.66893E-01	1.46091E-05
18	7.97128E-02	1.62737E-02	7.67473E-09	4.44351E-02	3.18245E-03	7.67473E-09
19	1.37338E-01	7.04900E-03	3.32173E-09	1.92442E-02	1.37858E-03	3.32173E-09
20	2.61414E-02	4.20008E-03	1.94951E-09	1.13271E-02	8.99392E-04	1.94951E-09
21	6.21074E-02	2.88878E-03	1.34014E-09	7.78666E-03	6.18666E-04	1.34014E-09
22	1.57609E-02	1.87684E-03	8.70988E-10	5.05338E-03	4.01880E-04	8.70988E-10
23	2.69519E-01	1.20719E-03	5.59557E-10	3.24042E-03	2.58219E-04	5.59557E-10
24	1.40581E-01	8.26806E-04	3.42743E-10	2.08244E-03	1.58492E-04	3.42743E-10
25	2.60017E-02	2.44100E-03	1.94281E-10	3.60344E-03	9.15205E-05	1.94281E-10
26	3.28486E-02	1.00960E-03	1.24880E-10	1.59690E-03	6.88112E-05	1.24880E-10
27	8.79759E-03	1.52560E-03	8.58218E-11	1.32090E-03	5.40092E-04	8.58218E-11
28	5.38064E-03	4.89228E-04	5.24953E-11	1.11865E-03	2.37215E-04	5.24953E-11
29	2.90553E-03	6.01712E-04	3.18508E-11	9.57029E-04	4.23724E-05	3.18508E-11
30	1.77834E-03	1.07369E-04	2.14445E-11	2.73641E-04	1.45544E-05	2.14445E-11
31	1.29984E-03	2.51733E-04	1.45718E-11	7.55034E-04	1.10754E-05	1.45718E-11
32	1.10232E-03	2.54827E-04	1.07520E-11	7.21852E-04	1.02269E-05	1.07520E-11
33	9.94823E-04	2.10219E-04	9.48667E-12	3.06916E-04	1.71113E-05	9.48667E-12
34	9.62967E-04	1.15772E-04	9.02178E-12	2.54966E-04	4.71950E-06	9.02178E-12
35	9.14699E-04	2.32922E-04	8.32844E-12	5.56113E-04	9.51883E-06	8.32844E-12
36	8.38345E-04	2.84708E-04	7.33544E-12	8.52975E-04	6.76459E-06	7.33544E-12
37	6.83694E-04	1.38705E-04	5.79788E-12	3.67985E-04	9.56166E-06	5.79788E-12
38	4.98526E-04	1.17362E-04	4.04612E-12	2.83893E-04	2.30985E-05	4.04612E-12
39	4.11759E-04	9.98479E-05	2.59981E-12	2.64898E-04	1.21531E-05	2.59981E-12
40	3.67315E-04	8.12129E-05	1.30465E-12	2.12079E-04	1.17137E-05	1.30465E-12
41	3.58928E-04	6.92497E-05	5.64952E-13	1.67848E-04	1.12934E-05	5.64952E-13
42	3.62487E-04	5.59601E-05	2.84263E-14	1.31640E-04	7.97792E-06	2.84263E-14
43	3.84673E-04	4.82617E-05	.00000E+00	1.08370E-04	9.09664E-06	.00000E+00
44	5.44070E-04	6.40586E-05	.00000E+00	1.19670E-04	1.21891E-05	.00000E+00

45	8.39127E-04	1.00258E-04	.00000E+00	1.58236E-04	1.39318E-05	.00000E+00
46	1.26932E-03	1.55181E-04	.00000E+00	2.23557E-04	8.29241E-06	.00000E+00
47	2.69622E-03	3.96697E-04	.00000E+00	5.17307E-04	5.37773E-06	.00000E+00
48	5.72022E-03	7.69528E-04	.00000E+00	1.15605E-03	4.67854E-06	.00000E+00
49	7.25398E-03	1.11203E-03	.00000E+00	1.83650E-03	4.53607E-06	.00000E+00
50	7.88513E-03	1.35196E-03	.00000E+00	2.27274E-03	4.57353E-06	.00000E+00
51	7.77656E-03	1.34340E-03	.00000E+00	2.32199E-03	4.76416E-06	.00000E+00
52	7.72165E-03	1.35104E-03	.00000E+00	2.38192E-03	4.82897E-06	.00000E+00
53	7.67220E-03	1.36359E-03	.00000E+00	2.45512E-03	4.88671E-06	.00000E+00
54	7.51223E-03	1.33922E-03	.00000E+00	2.46569E-03	4.92887E-06	.00000E+00
55	7.26545E-03	1.32767E-03	.00000E+00	2.58683E-03	4.69951E-06	.00000E+00
56	6.99135E-03	1.37254E-03	.00000E+00	2.92246E-03	2.06693E-06	.00000E+00
57	6.96024E-03	1.50792E-03	.00000E+00	3.77441E-03	7.38052E-06	.00000E+00
58	7.81777E-03	1.69583E-03	.00000E+00	4.49142E-03	9.38568E-05	.00000E+00
59	8.34330E-03	2.10613E-03	2.16244E-07	5.25118E-03	4.10933E-04	2.16244E-07
60	7.49893E-03	2.51482E-03	7.31589E-07	5.71390E-03	8.47086E-04	7.31589E-07
61	8.44604E-03	2.90897E-03	6.28481E-07	5.92982E-03	1.26722E-03	6.28481E-07
62	8.66252E-03	3.57305E-03	5.63326E-07	6.36013E-03	1.80554E-03	5.63326E-07
63	7.48345E-03	4.55905E-03	3.67350E-07	6.33469E-03	3.65814E-03	3.67350E-07
64	7.63714E-03	8.21919E-03	2.13847E-07	8.03042E-03	9.25383E-03	2.13847E-07
65	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 66 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 62

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.07841E+00	9.36411E-01	1.34873E-04	9.82307E-01	9.19865E-01	1.34873E-04
4	1.52425E-01	4.22791E-01	6.46610E-05	4.40241E-01	4.18230E-01	6.46610E-05
5	8.29727E-02	3.71043E-01	6.18625E-05	3.84598E-01	3.67835E-01	6.18625E-05
6	5.59694E-02	2.47897E-01	4.12740E-05	2.56950E-01	2.45770E-01	4.12740E-05
7	4.85751E-02	2.16461E-01	3.59450E-05	2.24368E-01	2.14609E-01	3.59450E-05
8	4.13241E-02	1.83584E-01	3.05515E-05	1.90292E-01	1.82006E-01	3.05515E-05
9	2.90971E-02	1.29262E-01	2.15243E-05	1.33987E-01	1.28151E-01	2.15243E-05
10	1.92906E-02	8.57374E-02	1.42730E-05	8.88712E-02	8.50006E-02	1.42730E-05
11	1.35721E-02	6.03145E-02	1.00405E-05	6.25200E-02	5.97958E-02	1.00405E-05
12	8.90112E-03	3.95557E-02	6.58478E-06	4.10023E-02	3.92156E-02	6.58478E-06
13	6.80927E-03	3.02593E-02	5.03712E-06	3.13656E-02	2.99992E-02	5.03712E-06
14	5.53378E-03	2.45905E-02	4.09346E-06	2.54896E-02	2.43790E-02	4.09346E-06
15	4.73758E-03	2.10512E-02	3.50427E-06	2.18211E-02	2.08699E-02	3.50427E-06
16	3.92591E-03	1.74450E-02	2.90392E-06	1.80828E-02	1.72949E-02	2.90392E-06
17	3.32883E-03	1.47915E-02	2.46218E-06	1.53324E-02	1.46643E-02	2.46218E-06
18	2.71416E-03	1.20595E-02	2.00752E-06	1.25007E-02	1.19558E-02	2.00752E-06
19	8.43010E-02	2.04652E-02	.00000E+00	1.28463E-02	2.33042E-02	.00000E+00
20	1.51876E-01	8.86516E-03	.00000E+00	5.56242E-03	1.00937E-02	.00000E+00
21	2.82523E-02	5.15174E-03	.00000E+00	3.23926E-03	5.84555E-03	.00000E+00
22	4.06788E-02	3.54414E-03	.00000E+00	2.22491E-03	4.01969E-03	.00000E+00
23	1.77519E-02	2.30299E-03	.00000E+00	1.44020E-03	2.60919E-03	.00000E+00
24	1.85473E-01	1.48142E-03	.00000E+00	9.18959E-04	1.67323E-03	.00000E+00
25	9.86829E-02	9.50606E-04	.00000E+00	6.04121E-04	1.02070E-03	.00000E+00
26	1.99995E-02	1.44895E-03	.00000E+00	1.44796E-03	5.74315E-04	.00000E+00
27	2.33558E-02	7.38902E-04	.00000E+00	6.35620E-04	3.88390E-04	.00000E+00
28	6.76402E-03	3.78114E-03	.00000E+00	2.03538E-03	1.76787E-03	.00000E+00
29	4.09238E-03	1.89600E-03	.00000E+00	1.70148E-03	2.34672E-03	.00000E+00
30	2.21461E-03	2.76562E-04	.00000E+00	4.03732E-04	1.27415E-04	.00000E+00
31	1.36573E-03	7.39318E-05	.00000E+00	1.91845E-04	2.37957E-05	.00000E+00
32	1.00292E-03	9.34791E-05	.00000E+00	1.96612E-04	2.04119E-05	.00000E+00
33	8.49354E-04	1.00269E-04	.00000E+00	1.78362E-04	2.24142E-05	.00000E+00
34	7.68070E-04	1.88071E-04	.00000E+00	1.86775E-04	1.78786E-04	.00000E+00
35	7.45815E-04	1.08807E-04	.00000E+00	1.42045E-04	6.04344E-05	.00000E+00
36	7.11602E-04	2.12547E-04	.00000E+00	1.83597E-04	2.17826E-04	.00000E+00

37	6.55746E-04	2.35806E-04	.00000E+00	2.22120E-04	2.54073E-04	.00000E+00
38	5.45065E-04	1.26110E-04	.00000E+00	1.29383E-04	1.27954E-04	.00000E+00
39	4.15039E-04	1.25905E-04	.00000E+00	1.29636E-04	1.34774E-04	.00000E+00
40	3.52429E-04	8.16491E-05	.00000E+00	1.17301E-04	7.02573E-05	.00000E+00
41	3.21062E-04	7.92943E-05	.00000E+00	1.19049E-04	6.34419E-05	.00000E+00
42	3.24076E-04	9.18348E-05	.00000E+00	1.32443E-04	6.05655E-05	.00000E+00
43	3.38255E-04	1.10194E-04	.00000E+00	1.63245E-04	4.08618E-05	.00000E+00
44	3.70308E-04	1.70646E-04	.00000E+00	2.35104E-04	4.64286E-05	.00000E+00
45	6.72993E-04	2.75258E-04	.00000E+00	3.61218E-04	6.24573E-05	.00000E+00
46	1.32804E-03	4.03547E-04	.00000E+00	5.20826E-04	7.15058E-05	.00000E+00
47	2.33479E-03	5.54454E-04	.00000E+00	7.28284E-04	4.25655E-05	.00000E+00
48	4.95918E-03	1.14155E-03	.00000E+00	1.45889E-03	4.57928E-05	.00000E+00
49	8.86178E-03	1.82735E-03	.00000E+00	2.60574E-03	6.13040E-05	.00000E+00
50	1.01915E-02	2.25079E-03	.00000E+00	3.48431E-03	7.83512E-05	.00000E+00
51	1.03295E-02	2.42334E-03	.00000E+00	3.89251E-03	9.06613E-05	.00000E+00
52	9.86065E-03	2.35835E-03	.00000E+00	3.94601E-03	9.59485E-05	.00000E+00
53	9.69486E-03	2.31921E-03	.00000E+00	3.91887E-03	9.54490E-05	.00000E+00
54	9.54749E-03	2.28052E-03	.00000E+00	3.88087E-03	9.51861E-05	.00000E+00
55	9.08266E-03	2.22113E-03	.00000E+00	3.98779E-03	9.34834E-05	.00000E+00
56	8.38872E-03	2.12353E-03	.00000E+00	4.12753E-03	8.93748E-05	.00000E+00
57	7.95395E-03	1.99834E-03	.00000E+00	4.36926E-03	7.01354E-05	.00000E+00
58	8.21602E-03	1.90485E-03	.00000E+00	4.99179E-03	1.04990E-04	.00000E+00
59	9.54667E-03	2.24664E-03	.00000E+00	5.96762E-03	3.31891E-04	.00000E+00
60	1.04522E-02	2.80920E-03	.00000E+00	6.85576E-03	8.81935E-04	.00000E+00
61	9.51787E-03	3.33614E-03	.00000E+00	7.14767E-03	1.65189E-03	.00000E+00
62	9.34390E-03	4.03938E-03	.00000E+00	7.69298E-03	2.38094E-03	.00000E+00
63	8.47790E-03	5.25380E-03	8.38257E-08	8.54626E-03	3.59658E-03	8.38257E-08
64	7.23957E-03	6.33000E-03	1.89175E-07	8.26346E-03	5.57848E-03	1.89175E-07
65	7.84838E-03	6.75656E-03	1.90559E-07	7.41179E-03	6.60933E-03	1.90559E-07
66	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 67 THRU POS. 70 SAME AS ABOVE					

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 63

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.79264E+00	1.87478E+00	1.70398E-04	2.02240E+00	1.80186E+00	1.70398E-04
4	3.47185E-01	8.40001E-01	1.18127E-04	8.77798E-01	8.29511E-01	1.18127E-04
5	9.34060E-02	4.20735E-01	7.00991E-05	4.36074E-01	4.17168E-01	7.00991E-05
6	2.30754E-02	1.02552E-01	1.70866E-05	1.06307E-01	1.01661E-01	1.70866E-05
7	8.88443E-03	3.93053E-02	6.54677E-06	4.07410E-02	3.89678E-02	6.54677E-06
8	4.35858E-03	1.94091E-02	3.22289E-06	2.01180E-02	1.92434E-02	3.22289E-06
9	7.89635E-04	3.51755E-03	5.84547E-07	3.64601E-03	3.48737E-03	5.84547E-07
10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 11 THRU POS. 19 SAME AS ABOVE					
20	4.56954E-02	8.46471E-03	.00000E+00	5.19073E-03	9.50833E-03	.00000E+00
21	7.91411E-02	3.66684E-03	.00000E+00	2.24826E-03	4.11844E-03	.00000E+00
22	1.41879E-02	2.12885E-03	.00000E+00	1.30895E-03	2.38160E-03	.00000E+00
23	1.48782E-02	1.46460E-03	.00000E+00	9.00063E-04	1.63774E-03	.00000E+00
24	8.98912E-03	9.51774E-04	.00000E+00	5.84131E-04	1.06312E-03	.00000E+00
25	3.43725E-01	6.12244E-04	.00000E+00	3.74643E-04	6.81833E-04	.00000E+00
26	1.76077E-01	3.84258E-04	.00000E+00	2.37793E-04	4.16060E-04	.00000E+00
27	2.92456E-02	3.92099E-04	.00000E+00	3.43003E-04	2.34451E-04	.00000E+00
28	4.06066E-02	2.34302E-04	.00000E+00	1.73776E-04	1.59593E-04	.00000E+00
29	9.97534E-03	1.61100E-03	.00000E+00	8.50677E-04	7.60917E-04	.00000E+00
30	6.17300E-03	1.01547E-03	.00000E+00	8.58996E-04	1.33506E-03	.00000E+00
31	3.32776E-03	1.11673E-04	.00000E+00	1.77950E-04	5.59069E-05	.00000E+00
32	2.01185E-03	2.52598E-05	.00000E+00	8.21878E-05	9.98242E-06	.00000E+00
33	1.45749E-03	3.32768E-05	.00000E+00	7.77038E-05	9.64585E-06	.00000E+00
34	1.23574E-03	3.51691E-05	.00000E+00	6.34545E-05	1.18324E-05	.00000E+00
35	1.11186E-03	7.15674E-05	.00000E+00	6.85504E-05	7.43091E-05	.00000E+00

36	1.07189E-03	3.80920E-05	.00000E+00	5.15189E-05	2.45192E-05	.00000E+00
37	1.01178E-03	7.91546E-05	.00000E+00	6.43480E-05	8.76159E-05	.00000E+00
38	9.20338E-04	1.42906E-04	.00000E+00	9.42758E-05	1.86366E-04	.00000E+00
39	7.30284E-04	8.03359E-05	.00000E+00	5.30620E-05	1.04462E-04	.00000E+00
40	4.98345E-04	1.04403E-04	.00000E+00	5.93275E-05	1.44607E-04	.00000E+00
41	3.98731E-04	9.92606E-05	.00000E+00	5.94389E-05	9.41402E-05	.00000E+00
42	4.48736E-04	3.36439E-04	.00000E+00	2.05123E-04	2.02125E-04	.00000E+00
43	6.27066E-04	5.84479E-04	.00000E+00	3.55406E-04	3.00388E-04	.00000E+00
44	9.64442E-04	8.80456E-04	.00000E+00	5.50908E-04	3.93311E-04	.00000E+00
45	1.38769E-03	1.16807E-03	.00000E+00	7.70914E-04	4.85353E-04	.00000E+00
46	1.88068E-03	1.36561E-03	.00000E+00	9.57260E-04	5.39009E-04	.00000E+00
47	2.36252E-03	1.54415E-03	.00000E+00	1.12634E-03	5.80755E-04	.00000E+00
48	2.82821E-03	1.69303E-03	.00000E+00	1.29812E-03	5.59329E-04	.00000E+00
49	3.93608E-03	2.18737E-03	.00000E+00	1.92898E-03	6.07446E-04	.00000E+00
50	5.67077E-03	2.67549E-03	.00000E+00	2.60651E-03	6.68918E-04	.00000E+00
51	5.96729E-03	2.82515E-03	.00000E+00	2.88108E-03	6.91475E-04	.00000E+00
52	5.71302E-03	2.77630E-03	.00000E+00	2.94503E-03	6.99606E-04	.00000E+00
53	5.42723E-03	2.72291E-03	.00000E+00	2.95395E-03	7.05843E-04	.00000E+00
54	5.33285E-03	2.66157E-03	.00000E+00	2.90553E-03	6.91854E-04	.00000E+00
55	5.24923E-03	2.62666E-03	.00000E+00	2.90313E-03	6.83170E-04	.00000E+00
56	4.98866E-03	2.59054E-03	.00000E+00	2.94692E-03	6.88356E-04	.00000E+00
57	4.60411E-03	2.49254E-03	.00000E+00	2.98571E-03	6.76429E-04	.00000E+00
58	4.29367E-03	2.36769E-03	.00000E+00	3.03316E-03	6.70034E-04	.00000E+00
59	4.21817E-03	2.33107E-03	.00000E+00	3.13867E-03	7.22471E-04	.00000E+00
60	4.74554E-03	2.60382E-03	.00000E+00	3.54582E-03	9.11469E-04	.00000E+00
61	6.13254E-03	3.23146E-03	1.57534E-09	4.06944E-03	1.58944E-03	1.57534E-09
62	7.11541E-03	3.74639E-03	4.52906E-08	4.39767E-03	2.16404E-03	4.52906E-08
63	5.53183E-03	4.16676E-03	1.51190E-07	4.56397E-03	2.63030E-03	1.51190E-07
64	3.94445E-03	4.72492E-03	3.68584E-07	4.81079E-03	3.24605E-03	3.68584E-07
65	3.38149E-03	5.74793E-03	6.20967E-07	4.95689E-03	4.99779E-03	6.20967E-07
66	3.76917E-03	7.91674E-03	6.64506E-07	5.41590E-03	8.74654E-03	6.64506E-07
67	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 68 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 64

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.71237E+00	5.10190E+00	2.01262E-04	5.64690E+00	4.81185E+00	2.01262E-04
4	6.78437E-01	1.34970E+00	1.66011E-04	1.41977E+00	1.32820E+00	1.66011E-04
5	6.47895E-02	3.01696E-01	5.12229E-05	3.12056E-01	2.99507E-01	5.12229E-05
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 7 THRU POS. 20 SAME AS ABOVE

21	1.66120E-02	1.97989E-03	.00000E+00	1.49886E-03	8.53514E-04	.00000E+00
22	2.54834E-02	8.58047E-04	.00000E+00	6.49347E-04	3.69905E-04	.00000E+00
23	5.21899E-03	5.04175E-04	.00000E+00	3.81332E-04	2.17354E-04	.00000E+00
24	5.47875E-03	3.47362E-04	.00000E+00	2.62402E-04	1.49761E-04	.00000E+00
25	4.09560E-03	2.26529E-04	.00000E+00	1.70592E-04	9.76769E-05	.00000E+00
26	2.52079E-01	1.47036E-04	.00000E+00	1.09921E-04	6.34072E-05	.00000E+00
27	1.27950E-01	9.59701E-05	.00000E+00	7.17315E-05	4.01688E-05	.00000E+00
28	2.02138E-02	1.29065E-04	.00000E+00	1.26385E-04	2.61802E-05	.00000E+00
29	2.93592E-02	8.89999E-05	.00000E+00	6.91879E-05	2.83861E-05	.00000E+00
30	6.93545E-03	1.08560E-03	.00000E+00	5.68864E-04	4.80696E-04	.00000E+00
31	4.31663E-03	1.09876E-04	.00000E+00	2.13439E-04	4.61801E-05	.00000E+00
32	2.32698E-03	6.96571E-05	.00000E+00	8.42890E-05	2.97868E-05	.00000E+00
33	1.40040E-03	1.53253E-05	.00000E+00	3.55914E-05	5.90606E-06	.00000E+00
34	1.01061E-03	1.62265E-05	.00000E+00	3.12978E-05	5.46814E-06	.00000E+00
35	8.56977E-04	1.26874E-05	.00000E+00	2.26683E-05	3.54116E-06	.00000E+00
36	7.70017E-04	9.58737E-06	.00000E+00	1.69468E-05	2.66410E-06	.00000E+00
37	7.40747E-04	9.90214E-06	.00000E+00	1.63996E-05	2.82729E-06	.00000E+00
38	6.96982E-04	9.15138E-06	.00000E+00	1.39750E-05	2.47808E-06	.00000E+00

39	6.31460E-04	8.08101E-06	.00000E+00	1.43335E-05	2.10490E-06	.00000E+00
40	4.94126E-04	4.82157E-06	.00000E+00	8.17652E-06	1.38256E-06	.00000E+00
41	3.29289E-04	3.66405E-06	.00000E+00	6.08032E-06	1.14307E-06	.00000E+00
42	2.66404E-04	2.65156E-06	.00000E+00	5.11817E-06	7.92049E-07	.00000E+00
43	2.70847E-04	6.39375E-06	.00000E+00	1.01131E-05	4.22451E-07	.00000E+00
44	2.98774E-04	2.01961E-05	.00000E+00	2.69591E-05	3.57030E-07	.00000E+00
45	3.14307E-04	4.91776E-05	.00000E+00	6.27325E-05	3.05520E-07	.00000E+00
46	3.31395E-04	1.02128E-04	.00000E+00	1.28919E-04	2.50037E-07	.00000E+00
47	5.29261E-04	1.59617E-04	.00000E+00	2.01385E-04	2.17782E-07	.00000E+00
48	9.80503E-04	2.03742E-04	.00000E+00	2.57291E-04	1.89467E-07	.00000E+00
49	1.67755E-03	2.50421E-04	.00000E+00	3.17540E-04	1.74081E-07	.00000E+00
50	2.57116E-03	3.60538E-04	.00000E+00	4.78245E-04	1.30242E-07	.00000E+00
51	2.83117E-03	4.67436E-04	.00000E+00	7.11992E-04	1.06595E-07	.00000E+00
52	2.72695E-03	4.89737E-04	.00000E+00	8.68182E-04	9.57073E-08	.00000E+00
53	2.51417E-03	4.74805E-04	.00000E+00	9.83571E-04	8.87967E-08	.00000E+00
54	2.45281E-03	4.97945E-04	.00000E+00	1.14546E-03	8.59473E-08	.00000E+00
55	2.43433E-03	5.15749E-04	.00000E+00	1.23111E-03	8.53530E-08	.00000E+00
56	2.41772E-03	5.19630E-04	.00000E+00	1.26748E-03	8.48491E-08	.00000E+00
57	2.36704E-03	5.35593E-04	.00000E+00	1.39794E-03	8.33735E-08	.00000E+00
58	2.29269E-03	5.71078E-04	.00000E+00	1.63024E-03	7.91494E-08	.00000E+00
59	2.09285E-03	6.65525E-04	.00000E+00	2.11801E-03	1.27947E-07	.00000E+00
60	1.76456E-03	8.41879E-04	.00000E+00	2.97263E-03	4.15998E-06	.00000E+00
61	1.84129E-03	1.13361E-03	.00000E+00	3.77822E-03	1.25847E-04	.00000E+00
62	2.61306E-03	1.59156E-03	.00000E+00	4.61046E-03	5.04573E-04	.00000E+00
63	3.37892E-03	1.84656E-03	.00000E+00	4.81486E-03	8.37584E-04	.00000E+00
64	2.33816E-03	2.00532E-03	.00000E+00	4.87438E-03	1.06492E-03	.00000E+00
65	1.40007E-03	2.25032E-03	.00000E+00	4.87268E-03	1.41243E-03	.00000E+00
66	1.20890E-03	2.32289E-03	.00000E+00	4.18725E-03	1.83421E-03	.00000E+00
67	1.37661E-03	1.82056E-03	.00000E+00	2.62926E-03	1.68733E-03	.00000E+00
68	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 69 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 65

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.80539E+01	1.58361E+01	2.42749E-04	1.76981E+01	1.48527E+01	2.42749E-04
4	1.39607E+00	2.10444E+00	2.16813E-04	2.22854E+00	2.06402E+00	2.16813E-04
5	3.54674E-02	1.69773E-01	2.94581E-05	1.75892E-01	1.68422E-01	2.94581E-05
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 7 THRU POS. 21 SAME AS ABOVE

22	8.64264E-03	3.74203E-02	.00000E+00	1.77743E-02	4.64356E-02	.00000E+00
23	1.46887E-02	1.62094E-02	.00000E+00	7.69935E-03	2.01126E-02	.00000E+00
24	3.01196E-03	9.36943E-03	.00000E+00	4.45425E-03	1.15868E-02	.00000E+00
25	3.44884E-03	6.44464E-03	.00000E+00	3.06383E-03	7.96709E-03	.00000E+00
26	2.36354E-03	4.18588E-03	.00000E+00	1.99004E-03	5.17038E-03	.00000E+00
27	4.08583E-02	2.68894E-03	.00000E+00	1.27849E-03	3.31414E-03	.00000E+00
28	2.10506E-02	1.65110E-03	.00000E+00	7.87009E-04	2.01834E-03	.00000E+00
29	3.67645E-03	1.00011E-03	.00000E+00	5.16046E-04	1.12784E-03	.00000E+00
30	4.89516E-03	7.21828E-04	.00000E+00	3.62773E-04	7.39476E-04	.00000E+00
31	1.27064E-03	5.25114E-03	.00000E+00	2.69617E-03	2.60175E-03	.00000E+00
32	7.78025E-04	2.97006E-03	.00000E+00	1.48377E-03	3.91838E-03	.00000E+00
33	4.21789E-04	3.51134E-04	.00000E+00	2.14909E-04	1.96937E-04	.00000E+00
34	2.56924E-04	6.84644E-05	.00000E+00	5.73263E-05	3.60269E-05	.00000E+00
35	1.86363E-04	6.19933E-05	.00000E+00	4.87602E-05	2.98868E-05	.00000E+00
36	1.57659E-04	5.34485E-05	.00000E+00	3.81014E-05	3.77293E-05	.00000E+00
37	1.42069E-04	2.70422E-04	.00000E+00	1.31906E-04	3.71696E-04	.00000E+00
38	1.37118E-04	9.93872E-05	.00000E+00	5.47241E-05	1.14977E-04	.00000E+00
39	1.29748E-04	3.08549E-04	.00000E+00	1.47067E-04	4.30314E-04	.00000E+00
40	1.18352E-04	3.12290E-04	.00000E+00	1.50662E-04	4.39904E-04	.00000E+00
41	2.99723E-04	1.63164E-04	.00000E+00	7.84185E-05	2.26831E-04	.00000E+00

42	1.68866E-03	1.98692E-04	.00000E+00	9.32102E-05	2.82799E-04	.00000E+00
43	3.54832E-03	1.04676E-04	.00000E+00	5.04643E-05	1.46592E-04	.00000E+00
44	4.70923E-03	1.04238E-04	.00000E+00	5.21306E-05	1.45303E-04	.00000E+00
45	5.36848E-03	1.10051E-04	.00000E+00	6.18603E-05	1.40573E-04	.00000E+00
46	5.94631E-03	9.97960E-05	.00000E+00	7.25580E-05	9.65211E-05	.00000E+00
47	6.37660E-03	1.44844E-04	.00000E+00	1.21813E-04	1.10647E-04	.00000E+00
48	7.15659E-03	2.08565E-04	.00000E+00	1.82335E-04	1.49679E-04	.00000E+00
49	7.49548E-03	2.50819E-04	.00000E+00	2.27950E-04	1.71778E-04	.00000E+00
50	6.55478E-03	2.29201E-04	.00000E+00	2.42577E-04	1.00709E-04	.00000E+00
51	4.66980E-03	2.19630E-04	.00000E+00	3.19228E-04	7.57764E-07	.00000E+00
52	4.03343E-03	2.91257E-04	.00000E+00	5.22144E-04	6.30453E-07	.00000E+00
53	3.50681E-03	3.26790E-04	.00000E+00	7.14634E-04	5.69562E-07	.00000E+00
54	3.08848E-03	3.56820E-04	.00000E+00	9.27229E-04	5.29030E-07	.00000E+00
55	3.04893E-03	4.29946E-04	.00000E+00	1.23217E-03	5.14144E-07	.00000E+00
56	3.04053E-03	4.54926E-04	.00000E+00	1.33376E-03	5.10316E-07	.00000E+00
57	3.03294E-03	4.77963E-04	.00000E+00	1.42722E-03	5.07049E-07	.00000E+00
58	3.00852E-03	5.49434E-04	.00000E+00	1.71847E-03	4.96676E-07	.00000E+00
59	2.97076E-03	6.71100E-04	.00000E+00	2.20738E-03	4.68020E-07	.00000E+00
60	2.75358E-03	1.13276E-03	.00000E+00	3.94427E-03	4.43545E-07	.00000E+00
61	2.29061E-03	1.77897E-03	.00000E+00	6.36260E-03	7.33861E-06	.00000E+00
62	2.19260E-03	2.35354E-03	.00000E+00	8.00251E-03	1.98362E-04	.00000E+00
63	2.63774E-03	3.18091E-03	.00000E+00	9.63981E-03	7.91115E-04	.00000E+00
64	3.08596E-03	3.69362E-03	.00000E+00	1.04059E-02	1.26757E-03	.00000E+00
65	2.22976E-03	4.03487E-03	.00000E+00	1.08736E-02	1.61985E-03	.00000E+00
66	1.43797E-03	4.38736E-03	.00000E+00	1.10600E-02	2.10097E-03	.00000E+00
67	1.16037E-03	4.35475E-03	.00000E+00	9.68424E-03	2.73806E-03	.00000E+00
68	1.16373E-03	3.37510E-03	.00000E+00	6.50393E-03	2.43368E-03	.00000E+00
69	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
70	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 66

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.04152E+02	1.13125E+02	5.23607E-04	1.26248E+02	1.06629E+02	5.23607E-04
4	3.18507E+00	4.22829E+00	2.57863E-04	4.52676E+00	4.15524E+00	2.57863E-04
5	7.18039E-04	3.75640E-03	7.00200E-07	3.87298E-03	3.73522E-03	7.00200E-07
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 7 THRU POS.	22 SAME AS ABOVE				
23	2.58528E-03	1.64851E-02	.00000E+00	7.67109E-03	2.22292E-02	.00000E+00
24	4.34998E-03	7.14056E-03	.00000E+00	3.32276E-03	9.62809E-03	.00000E+00
25	9.35467E-04	4.11805E-03	.00000E+00	1.91748E-03	5.54160E-03	.00000E+00
26	1.09744E-03	2.83184E-03	.00000E+00	1.31860E-03	3.80997E-03	.00000E+00
27	7.65298E-04	1.83833E-03	.00000E+00	8.55990E-04	2.47205E-03	.00000E+00
28	1.03929E-02	1.17914E-03	.00000E+00	5.49079E-04	1.58355E-03	.00000E+00
29	5.36507E-03	7.20500E-04	.00000E+00	3.36155E-04	9.62663E-04	.00000E+00
30	9.58189E-04	4.23262E-04	.00000E+00	2.10724E-04	5.33592E-04	.00000E+00
31	1.25294E-03	2.84014E-04	.00000E+00	1.38680E-04	3.36846E-04	.00000E+00
32	3.32896E-04	1.37597E-03	.00000E+00	7.02987E-04	7.43860E-04	.00000E+00
33	2.03205E-04	1.36431E-03	.00000E+00	6.59981E-04	1.90572E-03	.00000E+00
34	1.10356E-04	9.78416E-05	.00000E+00	6.12017E-05	6.39551E-05	.00000E+00
35	6.74557E-05	1.87326E-05	.00000E+00	1.63792E-05	1.12150E-05	.00000E+00
36	4.90107E-05	1.62989E-05	.00000E+00	1.37331E-05	8.61948E-06	.00000E+00
37	4.14492E-05	1.68791E-05	.00000E+00	1.17793E-05	1.47561E-05	.00000E+00
38	3.73846E-05	1.27788E-04	.00000E+00	6.04420E-05	1.82755E-04	.00000E+00
39	3.61051E-05	4.18513E-05	.00000E+00	2.17185E-05	5.42059E-05	.00000E+00
40	3.42158E-05	1.47337E-04	.00000E+00	6.85661E-05	2.12278E-04	.00000E+00
41	3.12491E-05	1.50204E-04	.00000E+00	7.00915E-05	2.17498E-04	.00000E+00
42	2.52778E-05	7.77334E-05	.00000E+00	3.64075E-05	1.11801E-04	.00000E+00
43	1.81036E-05	9.61881E-05	.00000E+00	4.43288E-05	1.40060E-04	.00000E+00
44	1.59722E-05	5.01038E-05	.00000E+00	2.34828E-05	7.23513E-05	.00000E+00

45	1.67563E-05	5.00543E-05	.00000E+00	2.39426E-05	7.21353E-05	.00000E+00
46	2.02130E-05	5.07135E-05	.00000E+00	2.59641E-05	6.98360E-05	.00000E+00
47	2.27310E-05	4.06981E-05	.00000E+00	2.52086E-05	4.78605E-05	.00000E+00
48	2.52590E-05	5.41889E-05	.00000E+00	3.83552E-05	5.49871E-05	.00000E+00
49	2.82911E-04	7.65298E-05	.00000E+00	5.67270E-05	7.45463E-05	.00000E+00
50	8.86898E-04	8.99209E-05	.00000E+00	6.79926E-05	8.56275E-05	.00000E+00
51	1.81180E-03	7.16059E-05	.00000E+00	6.42821E-05	5.03800E-05	.00000E+00
52	2.74960E-03	6.94282E-05	.00000E+00	7.71285E-05	3.24184E-05	.00000E+00
53	2.20628E-03	8.13359E-05	.00000E+00	1.22614E-04	2.81788E-05	.00000E+00
54	1.85167E-03	8.29867E-05	.00000E+00	1.48791E-04	2.73480E-05	.00000E+00
55	1.60058E-03	8.44234E-05	.00000E+00	1.77730E-04	2.75975E-05	.00000E+00
56	1.57242E-03	9.58898E-05	.00000E+00	2.24924E-04	2.87955E-05	.00000E+00
57	1.56629E-03	9.98282E-05	.00000E+00	2.40644E-04	2.91940E-05	.00000E+00
58	1.56079E-03	1.03602E-04	.00000E+00	2.55567E-04	2.95486E-05	.00000E+00
59	1.54342E-03	1.13534E-04	.00000E+00	2.97503E-04	2.97998E-05	.00000E+00
60	1.51724E-03	1.31314E-04	.00000E+00	3.73248E-04	2.89613E-05	.00000E+00
61	1.42970E-03	1.70487E-04	.00000E+00	5.40210E-04	2.35919E-05	.00000E+00
62	1.23915E-03	2.65111E-04	.00000E+00	9.18562E-04	1.48563E-05	.00000E+00
63	1.14701E-03	4.12070E-04	.00000E+00	1.31516E-03	5.92157E-05	.00000E+00
64	1.20997E-03	6.50583E-04	.00000E+00	1.73747E-03	2.02547E-04	.00000E+00
65	1.26060E-03	8.28788E-04	.00000E+00	1.99717E-03	3.24234E-04	.00000E+00
66	9.73095E-04	9.47818E-04	.00000E+00	2.16424E-03	4.14654E-04	.00000E+00
67	6.88424E-04	1.08218E-03	.00000E+00	2.29263E-03	5.36429E-04	.00000E+00
68	5.21531E-04	1.13664E-03	.00000E+00	2.14422E-03	6.89663E-04	.00000E+00
69	4.63303E-04	9.30281E-04	.00000E+00	1.55654E-03	6.07822E-04	.00000E+00
70	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 67

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.37713E+02	4.32525E+02	1.67659E-03	4.76534E+02	4.37913E+02	1.67659E-03
4	3.78356E+00	7.20460E+00	3.30598E-04	7.68502E+00	7.12741E+00	3.30598E-04
5	1.03452E-02	5.64789E-02	1.11521E-05	5.82497E-02	5.61394E-02	1.11521E-05
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 7 THRU POS.	23 SAME AS ABOVE				
24	2.51792E-03	1.42682E-02	.00000E+00	6.52898E-03	2.12402E-02	.00000E+00
25	4.11537E-03	6.17979E-03	.00000E+00	2.82778E-03	9.19948E-03	.00000E+00
26	9.23668E-04	3.55349E-03	.00000E+00	1.62663E-03	5.28974E-03	.00000E+00
27	1.08887E-03	2.44285E-03	.00000E+00	1.11819E-03	3.63643E-03	.00000E+00
28	7.78276E-04	1.58463E-03	.00000E+00	7.25289E-04	2.35887E-03	.00000E+00
29	1.49567E-02	1.01445E-03	.00000E+00	4.64234E-04	1.51008E-03	.00000E+00
30	7.65403E-03	6.16171E-04	.00000E+00	2.82407E-04	9.16120E-04	.00000E+00
31	1.29800E-03	3.55267E-04	.00000E+00	1.75694E-04	5.03258E-04	.00000E+00
32	1.77563E-03	2.10289E-04	.00000E+00	1.00699E-04	3.03956E-04	.00000E+00
33	4.49708E-04	1.27392E-04	.00000E+00	5.97451E-05	1.86845E-04	.00000E+00
34	2.76755E-04	1.24437E-03	.00000E+00	5.98188E-04	1.85221E-03	.00000E+00
35	1.49909E-04	2.04774E-05	.00000E+00	2.13454E-05	2.94416E-05	.00000E+00
36	9.11170E-05	3.50608E-06	.00000E+00	8.53478E-06	4.42219E-06	.00000E+00
37	6.60506E-05	2.04801E-06	.00000E+00	6.33392E-06	2.29740E-06	.00000E+00
38	5.59425E-05	7.54242E-06	.00000E+00	6.87681E-06	1.06481E-05	.00000E+00
39	5.03999E-05	1.20740E-04	.00000E+00	5.67276E-05	1.79662E-04	.00000E+00
40	4.86047E-05	3.43805E-05	.00000E+00	1.77904E-05	5.09222E-05	.00000E+00
41	4.59440E-05	1.40782E-04	.00000E+00	6.51169E-05	2.09398E-04	.00000E+00
42	4.18467E-05	1.44633E-04	.00000E+00	6.71629E-05	2.15049E-04	.00000E+00
43	3.35682E-05	7.40683E-05	.00000E+00	3.44848E-05	1.10188E-04	.00000E+00
44	2.32901E-05	9.31430E-05	.00000E+00	4.27357E-05	1.38717E-04	.00000E+00
45	1.93049E-05	4.79622E-05	.00000E+00	2.23595E-05	7.14082E-05	.00000E+00
46	1.97633E-05	4.86265E-05	.00000E+00	2.30126E-05	7.16186E-05	.00000E+00
47	2.26334E-05	4.87024E-05	.00000E+00	2.42043E-05	6.93865E-05	.00000E+00
48	2.45133E-05	3.72667E-05	.00000E+00	2.16112E-05	4.74614E-05	.00000E+00

49	2.66846E-05	4.80995E-05	.00000E+00	3.13243E-05	5.46519E-05	.00000E+00
50	2.76298E-04	6.72562E-05	.00000E+00	4.47379E-04	7.42525E-05	.00000E+00
51	8.60908E-04	7.84331E-05	.00000E+00	5.24717E-05	8.53703E-05	.00000E+00
52	1.75572E-03	5.83180E-05	.00000E+00	4.60845E-05	5.04066E-05	.00000E+00
53	2.65042E-03	7.23640E-05	.00000E+00	5.70680E-05	6.44580E-05	.00000E+00
54	2.10263E-03	7.13940E-05	.00000E+00	6.83555E-05	5.60417E-05	.00000E+00
55	1.75877E-03	6.80191E-05	.00000E+00	7.20030E-05	5.44122E-05	.00000E+00
56	1.51776E-03	6.21187E-05	.00000E+00	6.50911E-05	5.49307E-05	.00000E+00
57	1.48915E-03	6.13435E-05	.00000E+00	6.22288E-05	5.73342E-05	.00000E+00
58	1.48271E-03	6.11865E-05	.00000E+00	6.13644E-05	5.81331E-05	.00000E+00
59	1.47696E-03	6.10503E-05	.00000E+00	6.05820E-05	5.88447E-05	.00000E+00
60	1.45884E-03	5.93907E-05	.00000E+00	5.74299E-05	5.93515E-05	.00000E+00
61	1.43164E-03	5.52424E-05	.00000E+00	5.17281E-05	5.76897E-05	.00000E+00
62	1.35522E-03	4.34616E-05	.00000E+00	4.07603E-05	4.69667E-05	.00000E+00
63	1.18987E-03	2.37556E-05	.00000E+00	2.39994E-05	2.60985E-05	.00000E+00
64	1.09594E-03	4.64694E-05	.00000E+00	5.18516E-05	2.17727E-05	.00000E+00
65	1.12585E-03	1.40425E-04	.00000E+00	1.69087E-04	1.96010E-05	.00000E+00
66	1.13567E-03	2.32969E-04	.00000E+00	2.79608E-04	2.72417E-05	.00000E+00
67	9.05692E-04	2.92092E-04	.00000E+00	3.48859E-04	3.25535E-05	.00000E+00
68	6.69972E-04	3.72561E-04	.00000E+00	4.49659E-04	3.59696E-05	.00000E+00
69	5.10848E-04	4.43454E-04	.00000E+00	5.44528E-04	3.58898E-05	.00000E+00
70	4.50047E-04	4.33133E-04	.00000E+00	5.20803E-04	4.44065E-05	.00000E+00

1 OUTER	INNER	NEUT BAL	UPSCATTER RATIO	EIGENVALUE	LAMBDA1	LAMBDA2
0	0	.0000000E+00	.0000000E+00	.0000000E+00	.0000000E+00	.0000000E+00

GRP.	1	REQUIRED	2	ITERATIONS.	MFD OF	.00000E+00	OCCURRED	IN	INT.	258	COARSE	MESH= 7
GRP.	2	REQUIRED	8	ITERATIONS.	MFD OF	1.65111E-04	OCCURRED	IN	INT.	55	COARSE	MESH= 7
GRP.	3	REQUIRED	9	ITERATIONS.	MFD OF	1.65783E-04	OCCURRED	IN	INT.	258	COARSE	MESH= 7
GRP.	4	REQUIRED	10	ITERATIONS.	MFD OF	9.80799E-05	OCCURRED	IN	INT.	258	COARSE	MESH= 7
GRP.	5	REQUIRED	10	ITERATIONS.	MFD OF	1.78307E-04	OCCURRED	IN	INT.	257	COARSE	MESH= 8
GRP.	6	REQUIRED	11	ITERATIONS.	MFD OF	8.02735E-05	OCCURRED	IN	INT.	256	COARSE	MESH= 8
GRP.	7	REQUIRED	10	ITERATIONS.	MFD OF	1.70226E-04	OCCURRED	IN	INT.	257	COARSE	MESH= 8
GRP.	8	REQUIRED	10	ITERATIONS.	MFD OF	9.21658E-05	OCCURRED	IN	INT.	57	COARSE	MESH= 8
GRP.	9	REQUIRED	8	ITERATIONS.	MFD OF	1.43262E-04	OCCURRED	IN	INT.	258	COARSE	MESH= 9
GRP.	10	REQUIRED	8	ITERATIONS.	MFD OF	1.84036E-04	OCCURRED	IN	INT.	258	COARSE	MESH= 8
GRP.	11	REQUIRED	9	ITERATIONS.	MFD OF	5.10706E-05	OCCURRED	IN	INT.	57	COARSE	MESH= 8
GRP.	12	REQUIRED	8	ITERATIONS.	MFD OF	7.17958E-05	OCCURRED	IN	INT.	57	COARSE	MESH= 8
GRP.	13	REQUIRED	6	ITERATIONS.	MFD OF	7.57753E-05	OCCURRED	IN	INT.	98	COARSE	MESH= 6
GRP.	14	REQUIRED	7	ITERATIONS.	MFD OF	1.48913E-04	OCCURRED	IN	INT.	57	COARSE	MESH= 7
GRP.	15	REQUIRED	8	ITERATIONS.	MFD OF	1.06635E-04	OCCURRED	IN	INT.	257	COARSE	MESH= 8
GRP.	16	REQUIRED	7	ITERATIONS.	MFD OF	1.59639E-04	OCCURRED	IN	INT.	258	COARSE	MESH= 8
GRP.	17	REQUIRED	7	ITERATIONS.	MFD OF	1.76276E-04	OCCURRED	IN	INT.	258	COARSE	MESH= 8
GRP.	18	REQUIRED	8	ITERATIONS.	MFD OF	5.47188E-05	OCCURRED	IN	INT.	257	COARSE	MESH= 8
GRP.	19	REQUIRED	7	ITERATIONS.	MFD OF	1.81643E-04	OCCURRED	IN	INT.	258	COARSE	MESH= 9
GRP.	20	REQUIRED	7	ITERATIONS.	MFD OF	1.04627E-04	OCCURRED	IN	INT.	55	COARSE	MESH= 10
GRP.	21	REQUIRED	7	ITERATIONS.	MFD OF	1.65505E-04	OCCURRED	IN	INT.	52	COARSE	MESH= 8
GRP.	22	REQUIRED	8	ITERATIONS.	MFD OF	7.67290E-05	OCCURRED	IN	INT.	57	COARSE	MESH= 9
GRP.	23	REQUIRED	8	ITERATIONS.	MFD OF	7.28150E-05	OCCURRED	IN	INT.	42	COARSE	MESH= 14
GRP.	24	REQUIRED	8	ITERATIONS.	MFD OF	1.00031E-04	OCCURRED	IN	INT.	52	COARSE	MESH= 10
GRP.	25	REQUIRED	9	ITERATIONS.	MFD OF	8.11436E-05	OCCURRED	IN	INT.	47	COARSE	MESH= 11
GRP.	26	REQUIRED	9	ITERATIONS.	MFD OF	1.17513E-04	OCCURRED	IN	INT.	32	COARSE	MESH= 11
GRP.	27	REQUIRED	9	ITERATIONS.	MFD OF	1.17232E-04	OCCURRED	IN	INT.	44	COARSE	MESH= 13
GRP.	28	REQUIRED	9	ITERATIONS.	MFD OF	1.57955E-04	OCCURRED	IN	INT.	43	COARSE	MESH= 13
GRP.	29	REQUIRED	8	ITERATIONS.	MFD OF	9.86808E-05	OCCURRED	IN	INT.	36	COARSE	MESH= 15
GRP.	30	REQUIRED	13	ITERATIONS.	MFD OF	1.13689E-04	OCCURRED	IN	INT.	57	COARSE	MESH= 24
GRP.	31	REQUIRED	6	ITERATIONS.	MFD OF	8.78380E-05	OCCURRED	IN	INT.	32	COARSE	MESH= 10
GRP.	32	REQUIRED	6	ITERATIONS.	MFD OF	5.39874E-05	OCCURRED	IN	INT.	37	COARSE	MESH= 10
GRP.	33	REQUIRED	9	ITERATIONS.	MFD OF	8.23993E-05	OCCURRED	IN	INT.	51	COARSE	MESH= 16
GRP.	34	REQUIRED	11	ITERATIONS.	MFD OF	9.30789E-05	OCCURRED	IN	INT.	31	COARSE	MESH= 14
GRP.	35	REQUIRED	10	ITERATIONS.	MFD OF	1.05726E-04	OCCURRED	IN	INT.	44	COARSE	MESH= 16
GRP.	36	REQUIRED	11	ITERATIONS.	MFD OF	1.45162E-04	OCCURRED	IN	INT.	56	COARSE	MESH= 18

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 GRP.  37 REQUIRED  11 ITERATIONS. MFD OF  1.52945E-04 OCCURRED IN INT.  56  COARSE MESH= 18
 GRP.  38 REQUIRED  10 ITERATIONS. MFD OF  1.08608E-04 OCCURRED IN INT.  41  COARSE MESH= 25
 GRP.  39 REQUIRED  12 ITERATIONS. MFD OF  1.12966E-04 OCCURRED IN INT.  56  COARSE MESH= 26
 GRP.  40 REQUIRED  11 ITERATIONS. MFD OF  1.36031E-04 OCCURRED IN INT.  56  COARSE MESH= 21
 GRP.  41 REQUIRED   8 ITERATIONS. MFD OF  1.07105E-04 OCCURRED IN INT.  57  COARSE MESH= 45
 GRP.  42 REQUIRED   8 ITERATIONS. MFD OF  9.58289E-05 OCCURRED IN INT.  57  COARSE MESH= 46
 GRP.  43 REQUIRED  10 ITERATIONS. MFD OF  1.36555E-04 OCCURRED IN INT.   7  COARSE MESH= 21
 GRP.  44 REQUIRED   8 ITERATIONS. MFD OF  1.23429E-04 OCCURRED IN INT.  57  COARSE MESH= 45
 GRP.  45 REQUIRED   8 ITERATIONS. MFD OF  1.61050E-04 OCCURRED IN INT.  57  COARSE MESH= 22
 GRP.  46 REQUIRED   9 ITERATIONS. MFD OF  8.69427E-05 OCCURRED IN INT.  57  COARSE MESH= 31
 GRP.  47 REQUIRED   9 ITERATIONS. MFD OF  1.79218E-04 OCCURRED IN INT. 209  COARSE MESH= 26
 GRP.  48 REQUIRED   4 ITERATIONS. MFD OF  3.01539E-05 OCCURRED IN INT.   2  COARSE MESH= 10
 GRP.  49 REQUIRED   4 ITERATIONS. MFD OF  3.75822E-06 OCCURRED IN INT. 221  COARSE MESH= 10
 GRP.  50 REQUIRED   3 ITERATIONS. MFD OF  1.31756E-04 OCCURRED IN INT. 258  COARSE MESH= 10
 GRP.  51 REQUIRED   3 ITERATIONS. MFD OF  9.60085E-05 OCCURRED IN INT. 257  COARSE MESH=  9
 GRP.  52 REQUIRED   4 ITERATIONS. MFD OF  8.57908E-06 OCCURRED IN INT. 249  COARSE MESH=  9
 GRP.  53 REQUIRED   4 ITERATIONS. MFD OF  6.37207E-05 OCCURRED IN INT. 246  COARSE MESH=  9
 GRP.  54 REQUIRED   5 ITERATIONS. MFD OF  4.18694E-05 OCCURRED IN INT.  82  COARSE MESH=  9
 GRP.  55 REQUIRED   5 ITERATIONS. MFD OF  3.74532E-05 OCCURRED IN INT.  57  COARSE MESH= 11
 GRP.  56 REQUIRED   5 ITERATIONS. MFD OF  1.89422E-04 OCCURRED IN INT. 105  COARSE MESH= 12
 GRP.  57 REQUIRED   7 ITERATIONS. MFD OF  8.48199E-05 OCCURRED IN INT. 196  COARSE MESH= 14
 GRP.  58 REQUIRED   5 ITERATIONS. MFD OF  5.01533E-05 OCCURRED IN INT.  53  COARSE MESH= 17
 GRP.  59 REQUIRED   5 ITERATIONS. MFD OF  4.74087E-05 OCCURRED IN INT. 213  COARSE MESH= 18
 GRP.  60 REQUIRED   5 ITERATIONS. MFD OF  1.36714E-04 OCCURRED IN INT. 170  COARSE MESH= 23
 GRP.  61 REQUIRED   6 ITERATIONS. MFD OF  1.99103E-04 OCCURRED IN INT. 258  COARSE MESH= 25
 GRP.  62 REQUIRED   9 ITERATIONS. MFD OF  8.47291E-05 OCCURRED IN INT.  67  COARSE MESH= 42
 GRP.  63 REQUIRED   7 ITERATIONS. MFD OF  9.19842E-05 OCCURRED IN INT.  57  COARSE MESH= 53
 GRP.  64 REQUIRED   8 ITERATIONS. MFD OF  9.00764E-05 OCCURRED IN INT.  57  COARSE MESH= 54
 GRP.  65 REQUIRED   5 ITERATIONS. MFD OF  5.70750E-05 OCCURRED IN INT.  57  COARSE MESH= 54
 GRP.  66 REQUIRED   4 ITERATIONS. MFD OF  3.60416E-05 OCCURRED IN INT.  92  COARSE MESH= 54
 GRP.  67 REQUIRED   5 ITERATIONS. MFD OF  6.46236E-05 OCCURRED IN INT.  80  COARSE MESH= 55
     1   508   1.0000024E+00    .0000000E+00    .0000000E+00   1.0000000E+00   1.5304587E+00


                                    ***FINAL MONITOR***


  OUTER INNER      NEUT BAL    UPSCATER RATIO     EIGENVALUE       LAMBDA1          LAMBDA2
     1   508   1.0000024E+00    .0000000E+00    .0000000E+00   1.0000000E+00   1.5304587E+00
0 ****** OUTER ITERATION LIMIT REACHED
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0 INT. ZONE NUMBER     RADIUS    INT. MIDPOINT     AREA          VOLUME     FISSION DENS
     1         1      .00000E+00  2.50000E-01   .00000E+00  7.85398E-01  1.70090E+03
     2         1     5.00000E-01  1.00000E+00  3.14159E+00  6.28319E+00  1.70108E+03
     3         1     1.50000E+00  2.67567E+00  9.42478E+00  3.95299E+01  1.70056E+03
     4         1     3.85133E+00  5.02700E+00  2.41986E+01  7.42682E+01  1.69890E+03
     5         1     6.20267E+00  7.37833E+00  3.89725E+01  1.09006E+02  1.69615E+03
     6         1     8.55400E+00  9.72967E+00  5.37464E+01  1.43745E+02  1.69238E+03
     7         1     1.09053E+01  1.20810E+01  6.85202E+01  1.78483E+02  1.68761E+03
     8         1     1.32567E+01  1.44323E+01  8.32941E+01  2.13221E+02  1.68184E+03
     9         1     1.56080E+01  1.67837E+01  9.80680E+01  2.47960E+02  1.67506E+03
    10         1     1.79593E+01  1.91350E+01  1.12842E+02  2.82698E+02  1.66726E+03
    11         1     2.03107E+01  2.14863E+01  1.27616E+02  3.17436E+02  1.65840E+03
    12         1     2.26620E+01  2.38377E+01  1.42390E+02  3.52174E+02  1.64846E+03
    13         1     2.50133E+01  2.61890E+01  1.57163E+02  3.86913E+02  1.63743E+03
    14         1     2.73647E+01  2.85403E+01  1.71937E+02  4.21651E+02  1.62525E+03
    15         1     2.97160E+01  3.08917E+01  1.86711E+02  4.56389E+02  1.61189E+03
    16         1     3.20673E+01  3.32430E+01  2.01485E+02  4.91128E+02  1.59730E+03
    17         1     3.44187E+01  3.55943E+01  2.16259E+02  5.25866E+02  1.58143E+03
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18	1	3.67700E+01	3.79457E+01	2.31033E+02	5.60604E+02	1.56423E+03
19	1	3.91213E+01	4.02970E+01	2.45807E+02	5.95343E+02	1.54563E+03
20	1	4.14727E+01	4.26483E+01	2.60580E+02	6.30081E+02	1.52554E+03
21	1	4.38240E+01	4.49997E+01	2.75354E+02	6.64819E+02	1.50390E+03
22	1	4.61753E+01	4.73510E+01	2.90128E+02	6.99558E+02	1.48059E+03
23	1	4.85267E+01	4.97023E+01	3.04902E+02	7.34295E+02	1.45551E+03
24	1	5.08780E+01	5.20537E+01	3.19676E+02	7.69034E+02	1.42852E+03
25	1	5.32293E+01	5.44050E+01	3.34450E+02	8.03772E+02	1.39947E+03
26	1	5.55807E+01	5.67563E+01	3.49224E+02	8.38509E+02	1.36816E+03
27	1	5.79320E+01	5.91077E+01	3.63997E+02	8.73248E+02	1.33436E+03
28	1	6.02833E+01	6.14590E+01	3.78771E+02	9.07987E+02	1.29775E+03
29	1	6.26347E+01	6.38103E+01	3.93545E+02	9.42726E+02	1.25791E+03
30	1	6.49860E+01	6.61617E+01	4.08319E+02	9.77463E+02	1.21421E+03
31	1	6.73373E+01	6.85130E+01	4.23093E+02	1.01220E+03	1.16574E+03
32	1	6.96887E+01	7.08643E+01	4.37867E+02	1.04694E+03	1.11137E+03
33	1	7.20400E+01	7.27900E+01	4.52641E+02	6.86028E+02	1.06376E+03
34	1	7.35400E+01	7.37900E+01	4.62065E+02	2.31818E+02	1.03995E+03
35	2	7.40400E+01	7.43575E+01	4.65207E+02	2.96676E+02	.00000E+00
36	2	7.46750E+01	7.49925E+01	4.69197E+02	2.99203E+02	.00000E+00
37	2	7.53100E+01	7.56275E+01	4.73187E+02	3.01742E+02	.00000E+00
38	2	7.59450E+01	7.62625E+01	4.77177E+02	3.04273E+02	.00000E+00
39	3	7.65800E+01	7.68300E+01	4.81166E+02	2.41369E+02	.00000E+00
40	3	7.70800E+01	7.73300E+01	4.84308E+02	2.42939E+02	.00000E+00
41	3	7.75800E+01	7.78300E+01	4.87450E+02	2.44510E+02	.00000E+00
42	4	7.80800E+01	7.83300E+01	4.90591E+02	2.46082E+02	.00000E+00
43	4	7.85800E+01	7.88300E+01	4.93733E+02	2.47652E+02	.00000E+00
44	4	7.90800E+01	7.93300E+01	4.96874E+02	2.49221E+02	.00000E+00
45	4	7.95800E+01	7.98300E+01	5.00016E+02	2.50795E+02	.00000E+00
46	5	8.00800E+01	8.03300E+01	5.03158E+02	2.52363E+02	.00000E+00
47	5	8.05800E+01	8.10800E+01	5.06299E+02	5.09441E+02	.00000E+00
48	5	8.15800E+01	8.20800E+01	5.12582E+02	5.15725E+02	.00000E+00
49	5	8.25800E+01	8.30800E+01	5.18865E+02	5.22008E+02	.00000E+00
50	5	8.35800E+01	8.40800E+01	5.25149E+02	5.28287E+02	.00000E+00
51	5	8.45800E+01	8.50800E+01	5.31432E+02	5.34570E+02	.00000E+00
52	5	8.55800E+01	8.60800E+01	5.37715E+02	5.40857E+02	.00000E+00
53	5	8.65800E+01	8.70800E+01	5.43998E+02	5.47141E+02	.00000E+00
54	5	8.75800E+01	8.80800E+01	5.50281E+02	5.53420E+02	.00000E+00
55	5	8.85800E+01	8.90800E+01	5.56565E+02	5.59707E+02	.00000E+00
56	5	8.95800E+01	8.98300E+01	5.62848E+02	2.82211E+02	.00000E+00
57	6	9.00800E+01	9.03300E+01	5.65989E+02	2.83779E+02	.00000E+00
58	6	9.05800E+01	9.10800E+01	5.69131E+02	5.72271E+02	.00000E+00
59	6	9.15800E+01	9.25800E+01	5.75414E+02	1.16339E+03	.00000E+00
60	6	9.35800E+01	9.55800E+01	5.87980E+02	2.40219E+03	.00000E+00
61	6	9.75800E+01	1.00236E+02	6.13113E+02	3.34582E+03	.00000E+00
62	6	1.02892E+02	1.05549E+02	6.46493E+02	3.52316E+03	.00000E+00
63	6	1.08205E+02	1.10861E+02	6.79872E+02	3.70048E+03	.00000E+00
64	6	1.13517E+02	1.16174E+02	7.13251E+02	3.87782E+03	.00000E+00
65	6	1.18830E+02	1.21486E+02	7.46631E+02	4.05514E+03	.00000E+00
66	6	1.24143E+02	1.26799E+02	7.80010E+02	4.23247E+03	.00000E+00
67	6	1.29455E+02	1.32111E+02	8.13390E+02	4.40980E+03	.00000E+00
68	6	1.34768E+02	1.37424E+02	8.46769E+02	4.58712E+03	.00000E+00
69	6	1.40080E+02	1.42580E+02	8.80149E+02	4.47929E+03	.00000E+00
70	6	1.45080E+02	1.47580E+02	9.11565E+02	4.63636E+03	.00000E+00
71	6	1.50080E+02	1.52580E+02	9.42980E+02	4.79345E+03	.00000E+00
72	6	1.55080E+02	1.57580E+02	9.74396E+02	4.95052E+03	.00000E+00
73	6	1.60080E+02	1.62580E+02	1.00581E+03	5.10760E+03	.00000E+00
74	6	1.65080E+02	1.67580E+02	1.03723E+03	5.26468E+03	.00000E+00
75	6	1.70080E+02	1.72580E+02	1.06864E+03	5.42177E+03	.00000E+00
76	6	1.75080E+02	1.77580E+02	1.10006E+03	5.57884E+03	.00000E+00
77	6	1.80080E+02	1.82580E+02	1.13148E+03	5.73591E+03	.00000E+00

78	6	1.85080E+02	1.87580E+02	1.16289E+03	5.89300E+03	.00000E+00
79	6	1.90080E+02	1.92580E+02	1.19431E+03	6.05009E+03	.00000E+00
80	6	1.95080E+02	1.97580E+02	1.22572E+03	6.20716E+03	.00000E+00
81	6	2.00080E+02	2.02580E+02	1.25714E+03	6.36423E+03	.00000E+00
82	6	2.05080E+02	2.07580E+02	1.28856E+03	6.52131E+03	.00000E+00
83	6	2.10080E+02	2.12580E+02	1.31997E+03	6.67841E+03	.00000E+00
84	6	2.15080E+02	2.17580E+02	1.35139E+03	6.83547E+03	.00000E+00
85	6	2.20080E+02	2.22580E+02	1.38280E+03	6.99255E+03	.00000E+00
86	6	2.25080E+02	2.27580E+02	1.41422E+03	7.14964E+03	.00000E+00
87	6	2.30080E+02	2.32580E+02	1.44564E+03	7.30670E+03	.00000E+00
88	6	2.35080E+02	2.37580E+02	1.47705E+03	7.46380E+03	.00000E+00
89	6	2.40080E+02	2.42580E+02	1.50847E+03	7.62089E+03	.00000E+00
90	6	2.45080E+02	2.47580E+02	1.53988E+03	7.77794E+03	.00000E+00
91	6	2.50080E+02	2.52580E+02	1.57130E+03	7.93503E+03	.00000E+00
92	6	2.55080E+02	2.57580E+02	1.60271E+03	8.09211E+03	.00000E+00
93	6	2.60080E+02	2.62580E+02	1.63413E+03	8.24922E+03	.00000E+00
94	6	2.65080E+02	2.67580E+02	1.66555E+03	8.40627E+03	.00000E+00
95	6	2.70080E+02	2.72580E+02	1.69696E+03	8.56334E+03	.00000E+00
96	6	2.75080E+02	2.77580E+02	1.72838E+03	8.72045E+03	.00000E+00
97	6	2.80080E+02	2.82580E+02	1.75979E+03	8.87750E+03	.00000E+00
98	6	2.85080E+02	2.87580E+02	1.79121E+03	9.03459E+03	.00000E+00
99	6	2.90080E+02	2.92580E+02	1.82263E+03	9.19166E+03	.00000E+00
100	6	2.95080E+02	2.97580E+02	1.85404E+03	9.34878E+03	.00000E+00
101	6	3.00080E+02	3.02580E+02	1.88546E+03	9.50581E+03	.00000E+00
102	6	3.05080E+02	3.07580E+02	1.91687E+03	9.66291E+03	.00000E+00
103	6	3.10080E+02	3.12580E+02	1.94829E+03	9.82000E+03	.00000E+00
104	6	3.15080E+02	3.17580E+02	1.97971E+03	9.97706E+03	.00000E+00
105	6	3.20080E+02	3.22580E+02	2.01112E+03	1.01342E+04	.00000E+00
106	6	3.25080E+02	3.27580E+02	2.04254E+03	1.02913E+04	.00000E+00
107	6	3.30080E+02	3.32580E+02	2.07395E+03	1.04483E+04	.00000E+00
108	6	3.35080E+02	3.37580E+02	2.10537E+03	1.06054E+04	.00000E+00
109	6	3.40080E+02	3.42580E+02	2.13679E+03	1.07625E+04	.00000E+00
110	6	3.45080E+02	3.47580E+02	2.16820E+03	1.09195E+04	.00000E+00
111	6	3.50080E+02	3.52580E+02	2.19962E+03	1.10766E+04	.00000E+00
112	6	3.55080E+02	3.57580E+02	2.23103E+03	1.12337E+04	.00000E+00
113	6	3.60080E+02	3.62580E+02	2.26245E+03	1.13908E+04	.00000E+00
114	6	3.65080E+02	3.67580E+02	2.29387E+03	1.15479E+04	.00000E+00
115	6	3.70080E+02	3.72580E+02	2.32528E+03	1.17049E+04	.00000E+00
116	6	3.75080E+02	3.77580E+02	2.35670E+03	1.18621E+04	.00000E+00
117	6	3.80080E+02	3.82580E+02	2.38811E+03	1.20191E+04	.00000E+00
118	6	3.85080E+02	3.87580E+02	2.41953E+03	1.21762E+04	.00000E+00
119	6	3.90080E+02	3.92580E+02	2.45094E+03	1.23333E+04	.00000E+00
120	6	3.95080E+02	3.97580E+02	2.48236E+03	1.24904E+04	.00000E+00
121	6	4.00080E+02	4.02580E+02	2.51378E+03	1.26474E+04	.00000E+00
122	6	4.05080E+02	4.07580E+02	2.54519E+03	1.28045E+04	.00000E+00
123	6	4.10080E+02	4.12580E+02	2.57661E+03	1.29616E+04	.00000E+00
124	6	4.15080E+02	4.17580E+02	2.60802E+03	1.31186E+04	.00000E+00
125	6	4.20080E+02	4.22580E+02	2.63944E+03	1.32758E+04	.00000E+00
126	6	4.25080E+02	4.27580E+02	2.67086E+03	1.34328E+04	.00000E+00
127	6	4.30080E+02	4.32580E+02	2.70227E+03	1.35899E+04	.00000E+00
128	6	4.35080E+02	4.37580E+02	2.73369E+03	1.37470E+04	.00000E+00
129	6	4.40080E+02	4.42580E+02	2.76510E+03	1.39041E+04	.00000E+00
130	6	4.45080E+02	4.47580E+02	2.79652E+03	1.40611E+04	.00000E+00
131	6	4.50080E+02	4.52580E+02	2.82794E+03	1.42183E+04	.00000E+00
132	6	4.55080E+02	4.57580E+02	2.85935E+03	1.43753E+04	.00000E+00
133	6	4.60080E+02	4.62580E+02	2.89077E+03	1.45324E+04	.00000E+00
134	6	4.65080E+02	4.67580E+02	2.92218E+03	1.46894E+04	.00000E+00
135	6	4.70080E+02	4.72580E+02	2.95360E+03	1.48465E+04	.00000E+00
136	6	4.75080E+02	4.77580E+02	2.98502E+03	1.50037E+04	.00000E+00
137	6	4.80080E+02	4.82580E+02	3.01643E+03	1.51606E+04	.00000E+00

138	6	4.85080E+02	4.87580E+02	3.04785E+03	1.53178E+04	.00000E+00
139	6	4.90080E+02	4.92580E+02	3.07926E+03	1.54749E+04	.00000E+00
140	6	4.95080E+02	4.97580E+02	3.11068E+03	1.56319E+04	.00000E+00
141	6	5.00080E+02	5.02580E+02	3.14210E+03	1.57891E+04	.00000E+00
142	6	5.05080E+02	5.07580E+02	3.17351E+03	1.59461E+04	.00000E+00
143	6	5.10080E+02	5.12580E+02	3.20493E+03	1.61031E+04	.00000E+00
144	6	5.15080E+02	5.17580E+02	3.23634E+03	1.62603E+04	.00000E+00
145	6	5.20080E+02	5.22580E+02	3.26776E+03	1.64173E+04	.00000E+00
146	6	5.25080E+02	5.27580E+02	3.29917E+03	1.65744E+04	.00000E+00
147	6	5.30080E+02	5.32580E+02	3.33059E+03	1.67316E+04	.00000E+00
148	6	5.35080E+02	5.37580E+02	3.36201E+03	1.68886E+04	.00000E+00
149	6	5.40080E+02	5.42580E+02	3.39342E+03	1.70456E+04	.00000E+00
150	6	5.45080E+02	5.47580E+02	3.42484E+03	1.72028E+04	.00000E+00
151	6	5.50080E+02	5.52580E+02	3.45625E+03	1.73599E+04	.00000E+00
152	6	5.55080E+02	5.57580E+02	3.48767E+03	1.75168E+04	.00000E+00
153	6	5.60080E+02	5.62580E+02	3.51909E+03	1.76740E+04	.00000E+00
154	6	5.65080E+02	5.67580E+02	3.55050E+03	1.78311E+04	.00000E+00
155	6	5.70080E+02	5.72580E+02	3.58192E+03	1.79881E+04	.00000E+00
156	6	5.75080E+02	5.77580E+02	3.61333E+03	1.81453E+04	.00000E+00
157	6	5.80080E+02	5.82580E+02	3.64475E+03	1.83023E+04	.00000E+00
158	6	5.85080E+02	5.87580E+02	3.67617E+03	1.84594E+04	.00000E+00
159	6	5.90080E+02	5.92580E+02	3.70758E+03	1.86165E+04	.00000E+00
160	6	5.95080E+02	5.97580E+02	3.73900E+03	1.87734E+04	.00000E+00
161	6	6.00080E+02	6.02580E+02	3.77041E+03	1.89308E+04	.00000E+00
162	6	6.05080E+02	6.07580E+02	3.80183E+03	1.90876E+04	.00000E+00
163	6	6.10080E+02	6.12580E+02	3.83325E+03	1.92448E+04	.00000E+00
164	6	6.15080E+02	6.17580E+02	3.86466E+03	1.94019E+04	.00000E+00
165	6	6.20080E+02	6.22580E+02	3.89608E+03	1.95590E+04	.00000E+00
166	6	6.25080E+02	6.27580E+02	3.92749E+03	1.97159E+04	.00000E+00
167	6	6.30080E+02	6.32580E+02	3.95891E+03	1.98731E+04	.00000E+00
168	6	6.35080E+02	6.37580E+02	3.99033E+03	2.00301E+04	.00000E+00
169	6	6.40080E+02	6.42580E+02	4.02174E+03	2.01873E+04	.00000E+00
170	6	6.45080E+02	6.47580E+02	4.05316E+03	2.03444E+04	.00000E+00
171	6	6.50080E+02	6.52580E+02	4.08457E+03	2.05014E+04	.00000E+00
172	6	6.55080E+02	6.57580E+02	4.11599E+03	2.06585E+04	.00000E+00
173	6	6.60080E+02	6.62580E+02	4.14740E+03	2.08156E+04	.00000E+00
174	6	6.65080E+02	6.67580E+02	4.17882E+03	2.09726E+04	.00000E+00
175	6	6.70080E+02	6.72580E+02	4.21024E+03	2.11296E+04	.00000E+00
176	6	6.75080E+02	6.77580E+02	4.24165E+03	2.12869E+04	.00000E+00
177	6	6.80080E+02	6.82580E+02	4.27307E+03	2.14439E+04	.00000E+00
178	6	6.85080E+02	6.87580E+02	4.30448E+03	2.16010E+04	.00000E+00
179	6	6.90080E+02	6.92580E+02	4.33590E+03	2.17580E+04	.00000E+00
180	6	6.95080E+02	6.97580E+02	4.36732E+03	2.19153E+04	.00000E+00
181	6	7.00080E+02	7.02580E+02	4.39873E+03	2.20720E+04	.00000E+00
182	6	7.05080E+02	7.07580E+02	4.43015E+03	2.22294E+04	.00000E+00
183	6	7.10080E+02	7.12580E+02	4.46156E+03	2.23864E+04	.00000E+00
184	6	7.15080E+02	7.17580E+02	4.49298E+03	2.25434E+04	.00000E+00
185	6	7.20080E+02	7.22580E+02	4.52440E+03	2.27006E+04	.00000E+00
186	6	7.25080E+02	7.27580E+02	4.55581E+03	2.28575E+04	.00000E+00
187	6	7.30080E+02	7.32580E+02	4.58723E+03	2.30146E+04	.00000E+00
188	6	7.35080E+02	7.37580E+02	4.61864E+03	2.31719E+04	.00000E+00
189	6	7.40080E+02	7.42580E+02	4.65006E+03	2.33288E+04	.00000E+00
190	6	7.45080E+02	7.47580E+02	4.68148E+03	2.34860E+04	.00000E+00
191	6	7.50080E+02	7.52580E+02	4.71289E+03	2.36430E+04	.00000E+00
192	6	7.55080E+02	7.57580E+02	4.74431E+03	2.38000E+04	.00000E+00
193	6	7.60080E+02	7.62580E+02	4.77572E+03	2.39571E+04	.00000E+00
194	6	7.65080E+02	7.67580E+02	4.80714E+03	2.41143E+04	.00000E+00
195	6	7.70080E+02	7.72580E+02	4.83856E+03	2.42714E+04	.00000E+00
196	6	7.75080E+02	7.77580E+02	4.86997E+03	2.44285E+04	.00000E+00
197	6	7.80080E+02	7.82580E+02	4.90139E+03	2.45855E+04	.00000E+00

198	6	7.85080E+02	7.87580E+02	4.93280E+03	2.47424E+04	.00000E+00
199	6	7.90080E+02	7.92580E+02	4.96422E+03	2.48996E+04	.00000E+00
200	6	7.95080E+02	7.97580E+02	4.99563E+03	2.50568E+04	.00000E+00
201	6	8.00080E+02	8.02580E+02	5.02705E+03	2.52139E+04	.00000E+00
202	6	8.05080E+02	8.07580E+02	5.05847E+03	2.53709E+04	.00000E+00
203	6	8.10080E+02	8.12580E+02	5.08988E+03	2.55279E+04	.00000E+00
204	6	8.15080E+02	8.17580E+02	5.12130E+03	2.56851E+04	.00000E+00
205	6	8.20080E+02	8.22580E+02	5.15271E+03	2.58420E+04	.00000E+00
206	6	8.25080E+02	8.27580E+02	5.18413E+03	2.59993E+04	.00000E+00
207	6	8.30080E+02	8.32580E+02	5.21555E+03	2.61563E+04	.00000E+00
208	6	8.35080E+02	8.37580E+02	5.24696E+03	2.63135E+04	.00000E+00
209	6	8.40080E+02	8.42580E+02	5.27838E+03	2.64703E+04	.00000E+00
210	6	8.45080E+02	8.47580E+02	5.30979E+03	2.66275E+04	.00000E+00
211	6	8.50080E+02	8.52580E+02	5.34121E+03	2.67848E+04	.00000E+00
212	6	8.55080E+02	8.57580E+02	5.37263E+03	2.69415E+04	.00000E+00
213	6	8.60080E+02	8.62580E+02	5.40404E+03	2.70990E+04	.00000E+00
214	6	8.65080E+02	8.67580E+02	5.43546E+03	2.72555E+04	.00000E+00
215	6	8.70080E+02	8.72580E+02	5.46687E+03	2.74130E+04	.00000E+00
216	6	8.75080E+02	8.77580E+02	5.49829E+03	2.75700E+04	.00000E+00
217	6	8.80080E+02	8.82580E+02	5.52971E+03	2.77270E+04	.00000E+00
218	6	8.85080E+02	8.87580E+02	5.56112E+03	2.78843E+04	.00000E+00
219	6	8.90080E+02	8.92580E+02	5.59254E+03	2.80413E+04	.00000E+00
220	6	8.95080E+02	8.97580E+02	5.62395E+03	2.81983E+04	.00000E+00
221	6	9.00080E+02	9.02580E+02	5.65537E+03	2.83555E+04	.00000E+00
222	6	9.05080E+02	9.07580E+02	5.68679E+03	2.85125E+04	.00000E+00
223	6	9.10080E+02	9.12580E+02	5.71820E+03	2.86695E+04	.00000E+00
224	6	9.15080E+02	9.17580E+02	5.74962E+03	2.88268E+04	.00000E+00
225	6	9.20080E+02	9.22580E+02	5.78103E+03	2.89835E+04	.00000E+00
226	6	9.25080E+02	9.27580E+02	5.81245E+03	2.91408E+04	.00000E+00
227	6	9.30080E+02	9.32580E+02	5.84386E+03	2.92980E+04	.00000E+00
228	6	9.35080E+02	9.37580E+02	5.87528E+03	2.94548E+04	.00000E+00
229	6	9.40080E+02	9.42580E+02	5.90670E+03	2.96123E+04	.00000E+00
230	6	9.45080E+02	9.47580E+02	5.93811E+03	2.97690E+04	.00000E+00
231	6	9.50080E+02	9.52580E+02	5.96953E+03	2.99260E+04	.00000E+00
232	6	9.55080E+02	9.57580E+02	6.00094E+03	3.00835E+04	.00000E+00
233	6	9.60080E+02	9.62580E+02	6.03236E+03	3.02403E+04	.00000E+00
234	6	9.65080E+02	9.67580E+02	6.06378E+03	3.03975E+04	.00000E+00
235	6	9.70080E+02	9.72580E+02	6.09519E+03	3.05545E+04	.00000E+00
236	6	9.75080E+02	9.77580E+02	6.12661E+03	3.07115E+04	.00000E+00
237	6	9.80080E+02	9.82580E+02	6.15802E+03	3.08685E+04	.00000E+00
238	6	9.85080E+02	9.87580E+02	6.18944E+03	3.10260E+04	.00000E+00
239	6	9.90080E+02	9.92580E+02	6.22086E+03	3.11828E+04	.00000E+00
240	6	9.95080E+02	9.97580E+02	6.25227E+03	3.13400E+04	.00000E+00
241	6	1.00008E+03	1.00258E+03	6.28369E+03	3.14970E+04	.00000E+00
242	6	1.00508E+03	1.00758E+03	6.31510E+03	3.16538E+04	.00000E+00
243	6	1.01008E+03	1.01258E+03	6.34652E+03	3.18113E+04	.00000E+00
244	6	1.01508E+03	1.01758E+03	6.37794E+03	3.19683E+04	.00000E+00
245	6	1.02008E+03	1.02258E+03	6.40935E+03	3.21253E+04	.00000E+00
246	6	1.02508E+03	1.02758E+03	6.44077E+03	3.22825E+04	.00000E+00
247	6	1.03008E+03	1.03258E+03	6.47218E+03	3.24393E+04	.00000E+00
248	6	1.03508E+03	1.03758E+03	6.50360E+03	3.25968E+04	.00000E+00
249	6	1.04008E+03	1.04258E+03	6.53502E+03	3.27535E+04	.00000E+00
250	6	1.04508E+03	1.04758E+03	6.56643E+03	3.29108E+04	.00000E+00
251	6	1.05008E+03	1.05258E+03	6.59785E+03	3.30678E+04	.00000E+00
252	6	1.05508E+03	1.05758E+03	6.62926E+03	3.32250E+04	.00000E+00
253	6	1.06008E+03	1.06258E+03	6.66068E+03	3.33818E+04	.00000E+00
254	6	1.06508E+03	1.06758E+03	6.69209E+03	3.35390E+04	.00000E+00
255	6	1.07008E+03	1.07258E+03	6.72351E+03	3.36963E+04	.00000E+00
256	6	1.07508E+03	1.07758E+03	6.75493E+03	3.38533E+04	.00000E+00
257	6	1.08008E+03	1.08258E+03	6.78634E+03	3.40103E+04	.00000E+00

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   258        6      1.08508E+03  1.08758E+03  6.81776E+03  3.41670E+04    .00000E+00
   259               1.09008E+03               6.84917E+03
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0 ACTIVITY  MATERIAL  POSITION          DESCRIPTION
      1       -21        57      ACT 1   GAMMA DOSE RATE  (REM/HR)
      2       -21         8      ACT 2   NEUTRON DOSE RATE (REM/HR)
      3       -21         7      ACT 3   TOTAL DOSE RATE  (REM/HR)
1 ACTIVITIES BY ZONE INCLUDING SUM OVER ALL ZONES IN LINE   7
0 ZONE     ACT.  1       ACT.  2       ACT.  3
     1  1.58314E+09  1.34368E+06  1.58449E+09
     2  2.97296E+07  5.98280E+04  2.97894E+07
     3  7.79899E+06  3.14206E+04  7.83041E+06
     4  6.57361E+06  3.82355E+04  6.61185E+06
     5  4.10538E+06  1.02242E+05  4.20762E+06
     6  1.55943E+07  2.61726E+06  1.82116E+07
     7  1.64695E+09  4.19266E+06  1.65114E+09
1 VOLUME AVERAGED ACTIVITIES BY ZONE INCLUDING SUM OVER ALL ZONES IN LINE  7
0 ZONE     ACT.  1       ACT.  2       ACT.  3
     1  9.19258E+04  7.80210E+01  9.20039E+04
     2  2.47356E+04  4.97781E+01  2.47854E+04
     3  1.07009E+04  4.31117E+01  1.07440E+04
     4  6.61495E+03  3.84760E+01  6.65343E+03
     5  7.67974E+02  1.91259E+01  7.87100E+02
     6  4.20605E+00  7.05921E-01  4.91198E+00
     7  4.41177E+02  1.12311E+00  4.42300E+02
1 ACTIVITIES BY INTERVAL
 INT.   ZONE       MIDPT.        ACT.  1       ACT.  2       ACT.  3
   1       1   2.50000E-01   9.62773E+04  9.53780E+01  9.63727E+04
   2       1   1.00000E+00   9.62773E+04  9.53829E+01  9.63727E+04
   3       1   2.67567E+00   9.62772E+04  9.53460E+01  9.63726E+04
   4       1   5.02700E+00   9.62770E+04  9.52419E+01  9.63722E+04
   5       1   7.37833E+00   9.62764E+04  9.50735E+01  9.63715E+04
   6       1   9.72967E+00   9.62756E+04  9.48437E+01  9.63705E+04
   7       1   1.20810E+01   9.62746E+04  9.45527E+01  9.63691E+04
   8       1   1.44323E+01   9.62732E+04  9.42003E+01  9.63674E+04
   9       1   1.67837E+01   9.62713E+04  9.37857E+01  9.63651E+04
  10       1   1.91350E+01   9.62690E+04  9.33077E+01  9.63623E+04
  11       1   2.14863E+01   9.62657E+04  9.27653E+01  9.63585E+04
  12       1   2.38377E+01   9.62618E+04  9.21571E+01  9.63539E+04
  13       1   2.61890E+01   9.62563E+04  9.14817E+01  9.63477E+04
  14       1   2.85403E+01   9.62495E+04  9.07374E+01  9.63402E+04
  15       1   3.08917E+01   9.62400E+04  8.99223E+01  9.63299E+04
  16       1   3.32430E+01   9.62280E+04  8.90343E+01  9.63171E+04
  17       1   3.55943E+01   9.62114E+04  8.80710E+01  9.62994E+04
  18       1   3.79457E+01   9.61899E+04  8.70300E+01  9.62770E+04
  19       1   4.02970E+01   9.61597E+04  8.59087E+01  9.62456E+04
  20       1   4.26483E+01   9.61199E+04  8.47038E+01  9.62046E+04
  21       1   4.49997E+01   9.60631E+04  8.34119E+01  9.61466E+04
  22       1   4.73510E+01   9.59862E+04  8.20289E+01  9.60683E+04
  23       1   4.97023E+01   9.58743E+04  8.05511E+01  9.59548E+04
  24       1   5.20537E+01   9.57174E+04  7.89733E+01  9.57964E+04
  25       1   5.44050E+01   9.54831E+04  7.72899E+01  9.55603E+04
  26       1   5.67563E+01   9.51409E+04  7.54939E+01  9.52164E+04
  27       1   5.91077E+01   9.46114E+04  7.35767E+01  9.46850E+04
  28       1   6.14590E+01   9.37971E+04  7.15276E+01  9.38686E+04
  29       1   6.38103E+01   9.24739E+04  6.93315E+01  9.25433E+04
  30       1   6.61617E+01   9.02848E+04  6.69659E+01  9.03517E+04
  31       1   6.85130E+01   8.64722E+04  6.43953E+01  8.65366E+04
  32       1   7.08643E+01   7.88193E+04  6.15600E+01  7.88808E+04
  33       1   7.27900E+01   6.57680E+04  5.90134E+01  6.58270E+04
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34	1	7.37900E+01	5.45761E+04	5.75884E+01	5.46337E+04
0					
35	2	7.43575E+01	4.15468E+04	5.51899E+01	4.16020E+04
36	2	7.49925E+01	2.65411E+04	5.13755E+01	2.65925E+04
37	2	7.56275E+01	1.82573E+04	4.79452E+01	1.83053E+04
38	2	7.62625E+01	1.29930E+04	4.47484E+01	1.30377E+04
0					
39	3	7.68300E+01	1.07757E+04	4.31631E+01	1.08188E+04
40	3	7.73300E+01	1.06994E+04	4.31074E+01	1.07425E+04
41	3	7.78300E+01	1.06285E+04	4.30654E+01	1.06716E+04
0					
42	4	7.83300E+01	9.37985E+03	4.18710E+01	9.42172E+03
43	4	7.88300E+01	7.23209E+03	3.95609E+01	7.27165E+03
44	4	7.93300E+01	5.58059E+03	3.73369E+01	5.61793E+03
45	4	7.98300E+01	4.32048E+03	3.52053E+01	4.35569E+03
0					
46	5	8.03300E+01	3.38064E+03	3.33109E+01	3.41395E+03
47	5	8.10800E+01	2.40893E+03	3.08283E+01	2.43976E+03
48	5	8.20800E+01	1.48422E+03	2.76570E+01	1.51187E+03
49	5	8.30800E+01	9.18139E+02	2.46478E+01	9.42787E+02
50	5	8.40800E+01	5.70420E+02	2.17791E+01	5.92199E+02
51	5	8.50800E+01	3.56170E+02	1.90319E+01	3.75202E+02
52	5	8.60800E+01	2.23343E+02	1.63851E+01	2.39728E+02
53	5	8.70800E+01	1.40696E+02	1.38116E+01	1.54508E+02
54	5	8.80800E+01	8.88306E+01	1.12648E+01	1.00095E+02
55	5	8.90800E+01	5.57298E+01	8.63071E+00	6.43605E+01
56	5	8.98300E+01	3.69466E+01	6.50953E+00	4.34561E+01
0					
57	6	9.03300E+01	3.11086E+01	5.70783E+00	3.68164E+01
58	6	9.10800E+01	3.06774E+01	5.59366E+00	3.62711E+01
59	6	9.25800E+01	2.98858E+01	5.39122E+00	3.52770E+01
60	6	9.55800E+01	2.85154E+01	5.06122E+00	3.35766E+01
61	6	1.00236E+02	2.67277E+01	4.66136E+00	3.13891E+01
62	6	1.05549E+02	2.50307E+01	4.30996E+00	2.93407E+01
63	6	1.10861E+02	2.35976E+01	4.03057E+00	2.76282E+01
64	6	1.16174E+02	2.23516E+01	3.79671E+00	2.61483E+01
65	6	1.21486E+02	2.12497E+01	3.59517E+00	2.48448E+01
66	6	1.26799E+02	2.02640E+01	3.41825E+00	2.36822E+01
67	6	1.32111E+02	1.93746E+01	3.26090E+00	2.26355E+01
68	6	1.37424E+02	1.85665E+01	3.11958E+00	2.16861E+01
69	6	1.42580E+02	1.78480E+01	2.99506E+00	2.08431E+01
70	6	1.47580E+02	1.72068E+01	2.88477E+00	2.00916E+01
71	6	1.52580E+02	1.66128E+01	2.78321E+00	1.93960E+01
72	6	1.57580E+02	1.60606E+01	2.68929E+00	1.87498E+01
73	6	1.62580E+02	1.55456E+01	2.60208E+00	1.81477E+01
74	6	1.67580E+02	1.50641E+01	2.52085E+00	1.75850E+01
75	6	1.72580E+02	1.46127E+01	2.44494E+00	1.70576E+01
76	6	1.77580E+02	1.41885E+01	2.37380E+00	1.65623E+01
77	6	1.82580E+02	1.37891E+01	2.30697E+00	1.60961E+01
78	6	1.87580E+02	1.34123E+01	2.24404E+00	1.56563E+01
79	6	1.92580E+02	1.30561E+01	2.18466E+00	1.52407E+01
80	6	1.97580E+02	1.27188E+01	2.12851E+00	1.48473E+01
81	6	2.02580E+02	1.23989E+01	2.07533E+00	1.44742E+01
82	6	2.07580E+02	1.20950E+01	2.02486E+00	1.41199E+01
83	6	2.12580E+02	1.18060E+01	1.97690E+00	1.37829E+01
84	6	2.17580E+02	1.15307E+01	1.93126E+00	1.34619E+01
85	6	2.22580E+02	1.12682E+01	1.88776E+00	1.31559E+01
86	6	2.27580E+02	1.10175E+01	1.84624E+00	1.28637E+01
87	6	2.32580E+02	1.07779E+01	1.80658E+00	1.25845E+01
88	6	2.37580E+02	1.05486E+01	1.76864E+00	1.23172E+01

89	6	2.42580E+02	1.03290E+01	1.73230E+00	1.20613E+01
90	6	2.47580E+02	1.01184E+01	1.69747E+00	1.18159E+01
91	6	2.52580E+02	9.91636E+00	1.66405E+00	1.15804E+01
92	6	2.57580E+02	9.72225E+00	1.63194E+00	1.13542E+01
93	6	2.62580E+02	9.53566E+00	1.60108E+00	1.11367E+01
94	6	2.67580E+02	9.35614E+00	1.57139E+00	1.09275E+01
95	6	2.72580E+02	9.18328E+00	1.54280E+00	1.07261E+01
96	6	2.77580E+02	9.01672E+00	1.51525E+00	1.05320E+01
97	6	2.82580E+02	8.85611E+00	1.48867E+00	1.03448E+01
98	6	2.87580E+02	8.70115E+00	1.46303E+00	1.01642E+01
99	6	2.92580E+02	8.55153E+00	1.43826E+00	9.98979E+00
100	6	2.97580E+02	8.40697E+00	1.41433E+00	9.82130E+00
101	6	3.02580E+02	8.26722E+00	1.39119E+00	9.65841E+00
102	6	3.07580E+02	8.13204E+00	1.36880E+00	9.50084E+00
103	6	3.12580E+02	8.00121E+00	1.34712E+00	9.34833E+00
104	6	3.17580E+02	7.87452E+00	1.32611E+00	9.20063E+00
105	6	3.22580E+02	7.75177E+00	1.30576E+00	9.05753E+00
106	6	3.27580E+02	7.63280E+00	1.28602E+00	8.91882E+00
107	6	3.32580E+02	7.51739E+00	1.26687E+00	8.78426E+00
108	6	3.37580E+02	7.40542E+00	1.24828E+00	8.65370E+00
109	6	3.42580E+02	7.29672E+00	1.23022E+00	8.52694E+00
110	6	3.47580E+02	7.19115E+00	1.21268E+00	8.40383E+00
111	6	3.52580E+02	7.08859E+00	1.19563E+00	8.28422E+00
112	6	3.57580E+02	6.98888E+00	1.17905E+00	8.16793E+00
113	6	3.62580E+02	6.89192E+00	1.16291E+00	8.05483E+00
114	6	3.67580E+02	6.79759E+00	1.14721E+00	7.94480E+00
115	6	3.72580E+02	6.70579E+00	1.13192E+00	7.83771E+00
116	6	3.77580E+02	6.61641E+00	1.11703E+00	7.73344E+00
117	6	3.82580E+02	6.52936E+00	1.10252E+00	7.63188E+00
118	6	3.87580E+02	6.44455E+00	1.08837E+00	7.53293E+00
119	6	3.92580E+02	6.36190E+00	1.07458E+00	7.43648E+00
120	6	3.97580E+02	6.28131E+00	1.06113E+00	7.34243E+00
121	6	4.02580E+02	6.20271E+00	1.04800E+00	7.25071E+00
122	6	4.07580E+02	6.12603E+00	1.03519E+00	7.16122E+00
123	6	4.12580E+02	6.05120E+00	1.02267E+00	7.07388E+00
124	6	4.17580E+02	5.97816E+00	1.01045E+00	6.98861E+00
125	6	4.22580E+02	5.90682E+00	9.98515E-01	6.90534E+00
126	6	4.27580E+02	5.83715E+00	9.86848E-01	6.82399E+00
127	6	4.32580E+02	5.76907E+00	9.75442E-01	6.74451E+00
128	6	4.37580E+02	5.70254E+00	9.64290E-01	6.66683E+00
129	6	4.42580E+02	5.63750E+00	9.53381E-01	6.59088E+00
130	6	4.47580E+02	5.57391E+00	9.42709E-01	6.51661E+00
131	6	4.52580E+02	5.51170E+00	9.32264E-01	6.44397E+00
132	6	4.57580E+02	5.45085E+00	9.22040E-01	6.37289E+00
133	6	4.62580E+02	5.39130E+00	9.12030E-01	6.30333E+00
134	6	4.67580E+02	5.33302E+00	9.02227E-01	6.23524E+00
135	6	4.72580E+02	5.27595E+00	8.92624E-01	6.16857E+00
136	6	4.77580E+02	5.22007E+00	8.83214E-01	6.10328E+00
137	6	4.82580E+02	5.16533E+00	8.73992E-01	6.03932E+00
138	6	4.87580E+02	5.11171E+00	8.64953E-01	5.97666E+00
139	6	4.92580E+02	5.05916E+00	8.56089E-01	5.91525E+00
140	6	4.97580E+02	5.00765E+00	8.47398E-01	5.85505E+00
141	6	5.02580E+02	4.95717E+00	8.38872E-01	5.79604E+00
142	6	5.07580E+02	4.90766E+00	8.30507E-01	5.73817E+00
143	6	5.12580E+02	4.85912E+00	8.22299E-01	5.68141E+00
144	6	5.17580E+02	4.81149E+00	8.14242E-01	5.62573E+00
145	6	5.22580E+02	4.76477E+00	8.06334E-01	5.57110E+00
146	6	5.27580E+02	4.71892E+00	7.98568E-01	5.51749E+00
147	6	5.32580E+02	4.67393E+00	7.90942E-01	5.46487E+00
148	6	5.37580E+02	4.62975E+00	7.83452E-01	5.41321E+00

149	6	5.42580E+02	4.58639E+00	7.76093E-01	5.36248E+00
150	6	5.47580E+02	4.54381E+00	7.68863E-01	5.31267E+00
151	6	5.52580E+02	4.50198E+00	7.61757E-01	5.26374E+00
152	6	5.57580E+02	4.46090E+00	7.54773E-01	5.21567E+00
153	6	5.62580E+02	4.42053E+00	7.47906E-01	5.16844E+00
154	6	5.67580E+02	4.38087E+00	7.41155E-01	5.12202E+00
155	6	5.72580E+02	4.34189E+00	7.34516E-01	5.07640E+00
156	6	5.77580E+02	4.30357E+00	7.27985E-01	5.03155E+00
157	6	5.82580E+02	4.26590E+00	7.21562E-01	4.98746E+00
158	6	5.87580E+02	4.22885E+00	7.15241E-01	4.94410E+00
159	6	5.92580E+02	4.19243E+00	7.09022E-01	4.90145E+00
160	6	5.97580E+02	4.15660E+00	7.02902E-01	4.85950E+00
161	6	6.02580E+02	4.12136E+00	6.96877E-01	4.81823E+00
162	6	6.07580E+02	4.08668E+00	6.90946E-01	4.77763E+00
163	6	6.12580E+02	4.05257E+00	6.85106E-01	4.73767E+00
164	6	6.17580E+02	4.01899E+00	6.79355E-01	4.69835E+00
165	6	6.22580E+02	3.98595E+00	6.73692E-01	4.65964E+00
166	6	6.27580E+02	3.95342E+00	6.68113E-01	4.62153E+00
167	6	6.32580E+02	3.92139E+00	6.62617E-01	4.58401E+00
168	6	6.37580E+02	3.88986E+00	6.57203E-01	4.54706E+00
169	6	6.42580E+02	3.85881E+00	6.51867E-01	4.51068E+00
170	6	6.47580E+02	3.82824E+00	6.46608E-01	4.47484E+00
171	6	6.52580E+02	3.79811E+00	6.41426E-01	4.43953E+00
172	6	6.57580E+02	3.76843E+00	6.36316E-01	4.40475E+00
173	6	6.62580E+02	3.73920E+00	6.31279E-01	4.37048E+00
174	6	6.67580E+02	3.71039E+00	6.26312E-01	4.33670E+00
175	6	6.72580E+02	3.68201E+00	6.21415E-01	4.30342E+00
176	6	6.77580E+02	3.65403E+00	6.16585E-01	4.27062E+00
177	6	6.82580E+02	3.62645E+00	6.11820E-01	4.23827E+00
178	6	6.87580E+02	3.59926E+00	6.07120E-01	4.20638E+00
179	6	6.92580E+02	3.57246E+00	6.02483E-01	4.17494E+00
180	6	6.97580E+02	3.54603E+00	5.97907E-01	4.14394E+00
181	6	7.02580E+02	3.51997E+00	5.93393E-01	4.11336E+00
182	6	7.07580E+02	3.49426E+00	5.88937E-01	4.08320E+00
183	6	7.12580E+02	3.46891E+00	5.84539E-01	4.05345E+00
184	6	7.17580E+02	3.44390E+00	5.80197E-01	4.02409E+00
185	6	7.22580E+02	3.41922E+00	5.75911E-01	3.99513E+00
186	6	7.27580E+02	3.39487E+00	5.71679E-01	3.96655E+00
187	6	7.32580E+02	3.37085E+00	5.67500E-01	3.93835E+00
188	6	7.37580E+02	3.34713E+00	5.63374E-01	3.91051E+00
189	6	7.42580E+02	3.32373E+00	5.59298E-01	3.88303E+00
190	6	7.47580E+02	3.30064E+00	5.55272E-01	3.85591E+00
191	6	7.52580E+02	3.27785E+00	5.51295E-01	3.82914E+00
192	6	7.57580E+02	3.25534E+00	5.47367E-01	3.80271E+00
193	6	7.62580E+02	3.23312E+00	5.43485E-01	3.77661E+00
194	6	7.67580E+02	3.21118E+00	5.39649E-01	3.75083E+00
195	6	7.72580E+02	3.18951E+00	5.35858E-01	3.72537E+00
196	6	7.77580E+02	3.16812E+00	5.32112E-01	3.70024E+00
197	6	7.82580E+02	3.14700E+00	5.28409E-01	3.67541E+00
198	6	7.87580E+02	3.12613E+00	5.24748E-01	3.65088E+00
199	6	7.92580E+02	3.10551E+00	5.21129E-01	3.62664E+00
200	6	7.97580E+02	3.08514E+00	5.17552E-01	3.60269E+00
201	6	8.02580E+02	3.06500E+00	5.14014E-01	3.57902E+00
202	6	8.07580E+02	3.04512E+00	5.10515E-01	3.55563E+00
203	6	8.12580E+02	3.02547E+00	5.07056E-01	3.53252E+00
204	6	8.17580E+02	3.00605E+00	5.03633E-01	3.50968E+00
205	6	8.22580E+02	2.98686E+00	5.00249E-01	3.48710E+00
206	6	8.27580E+02	2.96789E+00	4.96900E-01	3.46479E+00
207	6	8.32580E+02	2.94914E+00	4.93587E-01	3.44272E+00
208	6	8.37580E+02	2.93060E+00	4.90310E-01	3.42091E+00

209	6	8.42580E+02	2.91227E+00	4.87066E-01	3.39934E+00
210	6	8.47580E+02	2.89415E+00	4.83857E-01	3.37801E+00
211	6	8.52580E+02	2.87624E+00	4.80680E-01	3.35692E+00
212	6	8.57580E+02	2.85853E+00	4.77536E-01	3.33606E+00
213	6	8.62580E+02	2.84101E+00	4.74424E-01	3.31543E+00
214	6	8.67580E+02	2.82368E+00	4.71344E-01	3.29503E+00
215	6	8.72580E+02	2.80655E+00	4.68294E-01	3.27484E+00
216	6	8.77580E+02	2.78960E+00	4.65273E-01	3.25487E+00
217	6	8.82580E+02	2.77283E+00	4.62283E-01	3.23511E+00
218	6	8.87580E+02	2.75624E+00	4.59321E-01	3.21556E+00
219	6	8.92580E+02	2.73983E+00	4.56389E-01	3.19622E+00
220	6	8.97580E+02	2.72359E+00	4.53483E-01	3.17708E+00
221	6	9.02580E+02	2.70753E+00	4.50606E-01	3.15813E+00
222	6	9.07580E+02	2.69163E+00	4.47755E-01	3.13938E+00
223	6	9.12580E+02	2.67589E+00	4.44930E-01	3.12082E+00
224	6	9.17580E+02	2.66032E+00	4.42131E-01	3.10245E+00
225	6	9.22580E+02	2.64490E+00	4.39357E-01	3.08426E+00
226	6	9.27580E+02	2.62964E+00	4.36609E-01	3.06625E+00
227	6	9.32580E+02	2.61454E+00	4.33884E-01	3.04842E+00
228	6	9.37580E+02	2.59958E+00	4.31184E-01	3.03077E+00
229	6	9.42580E+02	2.58478E+00	4.28506E-01	3.01328E+00
230	6	9.47580E+02	2.57012E+00	4.25852E-01	2.99597E+00
231	6	9.52580E+02	2.55560E+00	4.23220E-01	2.97882E+00
232	6	9.57580E+02	2.54122E+00	4.20610E-01	2.96183E+00
233	6	9.62580E+02	2.52698E+00	4.18021E-01	2.94500E+00
234	6	9.67580E+02	2.51288E+00	4.15453E-01	2.92833E+00
235	6	9.72580E+02	2.49891E+00	4.12906E-01	2.91181E+00
236	6	9.77580E+02	2.48507E+00	4.10378E-01	2.89545E+00
237	6	9.82580E+02	2.47136E+00	4.07870E-01	2.87923E+00
238	6	9.87580E+02	2.45777E+00	4.05381E-01	2.86316E+00
239	6	9.92580E+02	2.44431E+00	4.02911E-01	2.84723E+00
240	6	9.97580E+02	2.43098E+00	4.00459E-01	2.83143E+00
241	6	1.00258E+03	2.41776E+00	3.98024E-01	2.81578E+00
242	6	1.00758E+03	2.40466E+00	3.95606E-01	2.80027E+00
243	6	1.01258E+03	2.39168E+00	3.93205E-01	2.78489E+00
244	6	1.01758E+03	2.37882E+00	3.90820E-01	2.76964E+00
245	6	1.02258E+03	2.36606E+00	3.88450E-01	2.75451E+00
246	6	1.02758E+03	2.35341E+00	3.86095E-01	2.73951E+00
247	6	1.03258E+03	2.34087E+00	3.83755E-01	2.72462E+00
248	6	1.03758E+03	2.32843E+00	3.81429E-01	2.70986E+00
249	6	1.04258E+03	2.31609E+00	3.79116E-01	2.69521E+00
250	6	1.04758E+03	2.30386E+00	3.76815E-01	2.68068E+00
251	6	1.05258E+03	2.29172E+00	3.74527E-01	2.66625E+00
252	6	1.05758E+03	2.27968E+00	3.72251E-01	2.65193E+00
253	6	1.06258E+03	2.26773E+00	3.69985E-01	2.63772E+00
254	6	1.06758E+03	2.25587E+00	3.67729E-01	2.62360E+00
255	6	1.07258E+03	2.24410E+00	3.65482E-01	2.60959E+00
256	6	1.07758E+03	2.23242E+00	3.63245E-01	2.59567E+00
257	6	1.08258E+03	2.22082E+00	3.61015E-01	2.58184E+00
258	6	1.08758E+03	2.20931E+00	3.58793E-01	2.56810E+00

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 TOTAL FLUX - G=GROUP NO. N= 0

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	.00000E+00	2.25042E+01	1.98293E+02	3.26906E+02	1.01833E+03	6.45320E+03	1.42789E+04	2.00911E+04
2	1	1.00000E+00	.00000E+00	2.25100E+01	1.98344E+02	3.26992E+02	1.01859E+03	6.45490E+03	1.42822E+04	2.00948E+04
3	1	2.67567E+00	.00000E+00	2.25083E+01	1.98328E+02	3.26963E+02	1.01849E+03	6.45427E+03	1.42802E+04	2.00905E+04
4	1	5.02700E+00	.00000E+00	2.24934E+01	1.98196E+02	3.26736E+02	1.01779E+03	6.44961E+03	1.42692E+04	2.00731E+04
5	1	7.37833E+00	.00000E+00	2.24660E+01	1.97953E+02	3.26316E+02	1.01650E+03	6.44109E+03	1.42496E+04	2.00433E+04
6	1	9.72967E+00	.00000E+00	2.24277E+01	1.97615E+02	3.25731E+02	1.01471E+03	6.42925E+03	1.42226E+04	2.00026E+04
7	1	1.20810E+01	.00000E+00	2.23794E+01	1.97186E+02	3.24989E+02	1.01243E+03	6.41427E+03	1.41884E+04	1.99512E+04

8	1	1.44323E+01	.00000E+00	2.23209E+01	1.96667E+02	3.24092E+02	1.00967E+03	6.39616E+03	1.41472E+04	1.98890E+04
9	1	1.67837E+01	.00000E+00	2.22522E+01	1.96056E+02	3.23037E+02	1.00643E+03	6.37488E+03	1.40986E+04	1.98159E+04
10	1	1.91350E+01	.00000E+00	2.21729E+01	1.95351E+02	3.21818E+02	1.00269E+03	6.35033E+03	1.40426E+04	1.97313E+04
11	1	2.14863E+01	.00000E+00	2.20825E+01	1.94546E+02	3.20429E+02	9.98418E+02	6.32234E+03	1.39788E+04	1.96349E+04
12	1	2.38377E+01	.00000E+00	2.19803E+01	1.93636E+02	3.18859E+02	9.93590E+02	6.29074E+03	1.39067E+04	1.95259E+04
13	1	2.61890E+01	.00000E+00	2.18654E+01	1.92613E+02	3.17096E+02	9.88167E+02	6.25529E+03	1.38257E+04	1.94037E+04
14	1	2.85403E+01	.00000E+00	2.17370E+01	1.91469E+02	3.15128E+02	9.82106E+02	6.21573E+03	1.37354E+04	1.92675E+04
15	1	3.08917E+01	.00000E+00	2.15938E+01	1.90195E+02	3.12936E+02	9.75355E+02	6.17172E+03	1.36350E+04	1.91161E+04
16	1	3.32430E+01	.00000E+00	2.14346E+01	1.88777E+02	3.10502E+02	9.67855E+02	6.12291E+03	1.35236E+04	1.89486E+04
17	1	3.55943E+01	.00000E+00	2.12578E+01	1.87203E+02	3.07804E+02	9.59536E+02	6.06886E+03	1.34005E+04	1.87636E+04
18	1	3.79457E+01	.00000E+00	2.10617E+01	1.85457E+02	3.04816E+02	9.50318E+02	6.00908E+03	1.32643E+04	1.85597E+04
19	1	4.02970E+01	.00000E+00	2.08441E+01	1.83520E+02	3.01508E+02	9.40107E+02	5.94300E+03	1.31140E+04	1.83352E+04
20	1	4.26483E+01	.00000E+00	2.06026E+01	1.81371E+02	2.97846E+02	9.28794E+02	5.86994E+03	1.29481E+04	1.80881E+04
21	1	4.49997E+01	.00000E+00	2.03344E+01	1.78984E+02	2.93788E+02	9.16251E+02	5.78913E+03	1.27648E+04	1.78162E+04
22	1	4.73510E+01	.00000E+00	2.00360E+01	1.76330E+02	2.89286E+02	9.02327E+02	5.69963E+03	1.25622E+04	1.75169E+04
23	1	4.97023E+01	.00000E+00	1.97034E+01	1.73372E+02	2.84282E+02	8.86840E+02	5.60035E+03	1.23379E+04	1.71871E+04
24	1	5.20537E+01	.00000E+00	1.93315E+01	1.70066E+02	2.78705E+02	8.69570E+02	5.48993E+03	1.20890E+04	1.68231E+04
25	1	5.44050E+01	.00000E+00	1.89141E+01	1.66358E+02	2.72470E+02	8.50244E+02	5.36674E+03	1.18121E+04	1.64204E+04
26	1	5.67563E+01	.00000E+00	1.84433E+01	1.62177E+02	2.65465E+02	8.28519E+02	5.22868E+03	1.15027E+04	1.59735E+04
27	1	5.91077E+01	.00000E+00	1.79087E+01	1.57434E+02	2.57546E+02	8.03944E+02	5.07302E+03	1.11550E+04	1.54752E+04
28	1	6.14590E+01	.00000E+00	1.72958E+01	1.52001E+02	2.48518E+02	7.75904E+02	4.89604E+03	1.07612E+04	1.49158E+04
29	1	6.38103E+01	.00000E+00	1.65835E+01	1.45698E+02	2.38097E+02	7.43512E+02	4.69237E+03	1.03100E+04	1.42814E+04
30	1	6.61617E+01	.00000E+00	1.57388E+01	1.38239E+02	2.25843E+02	7.05390E+02	4.45371E+03	9.78388E+03	1.35507E+04
31	1	6.85130E+01	.00000E+00	1.47050E+01	1.29138E+02	2.11016E+02	6.59210E+02	4.16603E+03	9.15303E+03	1.26876E+04
32	1	7.08643E+01	.00000E+00	1.33756E+01	1.17489E+02	1.92246E+02	6.00656E+02	3.80345E+03	8.36196E+03	1.16240E+04
33	1	7.27900E+01	.00000E+00	1.19909E+01	1.05410E+02	1.72982E+02	5.40463E+02	3.43271E+03	7.55551E+03	1.05551E+04
34	1	7.37900E+01	.00000E+00	1.11180E+01	9.78198E+01	1.60976E+02	5.02890E+02	3.20221E+03	7.05478E+03	9.89774E+03
0										
35	2	7.43575E+01	.00000E+00	9.74432E+00	8.56224E+01	1.41075E+02	4.38702E+02	2.78537E+03	6.15483E+03	8.75330E+03
36	2	7.49925E+01	.00000E+00	7.82117E+00	6.85438E+01	1.13058E+02	3.48449E+02	2.19575E+03	4.87946E+03	7.11173E+03
37	2	7.56275E+01	.00000E+00	6.43979E+00	5.63821E+01	9.31498E+01	2.85234E+02	1.78699E+03	3.98788E+03	5.91685E+03
38	2	7.62625E+01	.00000E+00	5.39657E+00	4.72203E+01	7.81090E+01	2.37811E+02	1.48174E+03	3.31548E+03	4.98321E+03
0										
39	3	7.68300E+01	.00000E+00	4.91440E+00	4.29901E+01	7.11545E+01	2.15977E+02	1.34185E+03	3.00650E+03	4.54806E+03
40	3	7.73300E+01	.00000E+00	4.86265E+00	4.25463E+01	7.04455E+01	2.13842E+02	1.32907E+03	2.98012E+03	4.51435E+03
41	3	7.78300E+01	.00000E+00	4.81370E+00	4.21284E+01	6.97811E+01	2.11846E+02	1.31715E+03	2.95568E+03	4.48350E+03
0										
42	4	7.83300E+01	.00000E+00	4.51737E+00	3.95141E+01	6.54411E+01	1.98368E+02	1.23090E+03	2.76506E+03	4.21385E+03
43	4	7.88300E+01	.00000E+00	4.01044E+00	3.50246E+01	5.79566E+01	1.75097E+02	1.08145E+03	2.43261E+03	3.73880E+03
44	4	7.93300E+01	.00000E+00	3.57290E+00	3.11439E+01	5.14827E+01	1.55043E+02	9.53187E+02	2.14675E+03	3.32837E+03
45	4	7.98300E+01	.00000E+00	3.19274E+00	2.77682E+01	4.58516E+01	1.37684E+02	8.42699E+02	1.90043E+03	2.97423E+03
0										
46	5	8.03300E+01	.00000E+00	2.86352E+00	2.48761E+01	4.10777E+01	1.22993E+02	7.49748E+02	1.69299E+03	2.67307E+03
47	5	8.10800E+01	.00000E+00	2.45519E+00	2.13296E+01	3.52760E+01	1.05132E+02	6.37367E+02	1.44098E+03	2.29752E+03
48	5	8.20800E+01	.00000E+00	1.99555E+00	1.73291E+01	2.87051E+01	8.49588E+01	5.10896E+02	1.15622E+03	1.86537E+03
49	5	8.30800E+01	.00000E+00	1.62905E+00	1.41351E+01	2.34388E+01	6.88786E+01	4.10718E+02	9.29706E+02	1.51456E+03
50	5	8.40800E+01	.00000E+00	1.33455E+00	1.15693E+01	1.91980E+01	5.60142E+01	3.31139E+02	7.49253E+02	1.23044E+03
51	5	8.50800E+01	.00000E+00	1.09654E+00	9.49577E+00	1.57649E+01	4.56706E+01	2.67621E+02	6.04872E+02	9.99708E+02
52	5	8.60800E+01	.00000E+00	9.03103E-01	7.81150E+00	1.29709E+01	3.73095E+01	2.16657E+02	4.88763E+02	8.11414E+02
53	5	8.70800E+01	.00000E+00	7.45009E-01	6.43610E+00	1.06842E+01	3.05114E+01	1.75527E+02	3.94797E+02	6.56671E+02
54	5	8.80800E+01	.00000E+00	6.15026E-01	5.30516E+00	8.79896E+00	2.49434E+01	1.42068E+02	3.18018E+02	5.27737E+02
55	5	8.90800E+01	.00000E+00	5.07217E-01	4.36612E+00	7.22417E+00	2.03152E+01	1.14361E+02	2.53698E+02	4.16227E+02
56	5	8.98300E+01	.00000E+00	4.36599E-01	3.74949E+00	6.18067E+00	1.72513E+01	9.59799E+01	2.10213E+02	3.37790E+02
0										
57	6	9.03300E+01	.00000E+00	4.13400E-01	3.54604E+00	5.83256E+00	1.62294E+01	8.98365E+01	1.95422E+02	3.10243E+02
58	6	9.10800E+01	.00000E+00	4.08664E-01	3.50379E+00	5.75930E+00	1.60198E+01	8.86366E+01	1.92647E+02	3.05392E+02
59	6	9.25800E+01	.00000E+00	3.99716E-01	3.42437E+00	5.62257E+00	1.56300E+01	8.64142E+01	1.87548E+02	2.96577E+02
60	6	9.55800E+01	.00000E+00	3.83534E-01	3.28185E+00	5.37980E+00	1.49416E+01	8.25159E+01	1.78713E+02	2.81587E+02
61	6	1.00236E+02	.00000E+00	3.61436E-01	3.08878E+00	5.05473E+00	1.40248E+01	7.73638E+01	1.67194E+02	2.62455E+02
62	6	1.05549E+02	.00000E+00	3.39611E-01	2.89945E+00	4.73929E+00	1.31401E+01	7.24235E+01	1.56287E+02	2.44710E+02

63	6	1.10861E+02	.00000E+00	3.20703E-01	2.73629E+00	4.46937E+00	1.23857E+01	6.82305E+01	1.47112E+02	2.30003E+02
64	6	1.16174E+02	.00000E+00	3.04041E-01	2.59300E+00	4.23327E+00	1.17270E+01	6.45799E+01	1.39164E+02	2.17373E+02
65	6	1.21486E+02	.00000E+00	2.89194E-01	2.46552E+00	4.02385E+00	1.11436E+01	6.13515E+01	1.32159E+02	2.06303E+02
66	6	1.26799E+02	.00000E+00	2.75841E-01	2.35105E+00	3.83621E+00	1.06213E+01	5.84650E+01	1.25910E+02	1.96467E+02
67	6	1.32111E+02	.00000E+00	2.63753E-01	2.24755E+00	3.66675E+00	1.01501E+01	5.58623E+01	1.20285E+02	1.87639E+02
68	6	1.37424E+02	.00000E+00	2.52740E-01	2.15338E+00	3.51272E+00	9.72192E+00	5.34995E+01	1.15185E+02	1.79653E+02
69	6	1.42580E+02	.00000E+00	2.42930E-01	2.06953E+00	3.37574E+00	9.34134E+00	5.14003E+01	1.10659E+02	1.72577E+02
70	6	1.47580E+02	.00000E+00	2.34162E-01	1.99464E+00	3.25347E+00	9.00179E+00	4.95282E+01	1.06626E+02	1.66281E+02
71	6	1.52580E+02	.00000E+00	2.26030E-01	1.92522E+00	3.14021E+00	8.68732E+00	4.77951E+01	1.02895E+02	1.60462E+02
72	6	1.57580E+02	.00000E+00	2.18465E-01	1.86067E+00	3.03492E+00	8.39508E+00	4.61849E+01	9.94302E+01	1.55065E+02
73	6	1.62580E+02	.00000E+00	2.11405E-01	1.80047E+00	2.93676E+00	8.12268E+00	4.46844E+01	9.62032E+01	1.50041E+02
74	6	1.67580E+02	.00000E+00	2.04799E-01	1.74415E+00	2.84498E+00	7.86804E+00	4.32822E+01	9.31885E+01	1.45351E+02
75	6	1.72580E+02	.00000E+00	1.98603E-01	1.69134E+00	2.75896E+00	7.62941E+00	4.19683E+01	9.03650E+01	1.40960E+02
76	6	1.77580E+02	.00000E+00	1.92780E-01	1.64172E+00	2.67814E+00	7.40526E+00	4.07343E+01	8.77139E+01	1.36839E+02
77	6	1.82580E+02	.00000E+00	1.87294E-01	1.59499E+00	2.60205E+00	7.19425E+00	3.95729E+01	8.52193E+01	1.32963E+02
78	6	1.87580E+02	.00000E+00	1.82117E-01	1.55092E+00	2.53027E+00	6.99521E+00	3.84775E+01	8.28671E+01	1.29309E+02
79	6	1.92580E+02	.00000E+00	1.77222E-01	1.50924E+00	2.46243E+00	6.80713E+00	3.74425E+01	8.06450E+01	1.25858E+02
80	6	1.97580E+02	.00000E+00	1.72587E-01	1.46977E+00	2.39821E+00	6.62908E+00	3.64629E+01	7.85420E+01	1.22593E+02
81	6	2.02580E+02	.00000E+00	1.68190E-01	1.43234E+00	2.33731E+00	6.46027E+00	3.55341E+01	7.65485E+01	1.19498E+02
82	6	2.07580E+02	.00000E+00	1.64013E-01	1.39680E+00	2.27948E+00	6.29996E+00	3.46523E+01	7.46559E+01	1.16560E+02
83	6	2.12580E+02	.00000E+00	1.60040E-01	1.36299E+00	2.22448E+00	6.14753E+00	3.38138E+01	7.28564E+01	1.13767E+02
84	6	2.17580E+02	.00000E+00	1.56257E-01	1.33079E+00	2.17210E+00	6.00238E+00	3.30154E+01	7.11433E+01	1.11108E+02
85	6	2.22580E+02	.00000E+00	1.52650E-01	1.30008E+00	2.12217E+00	5.86399E+00	3.22543E+01	6.95101E+01	1.08573E+02
86	6	2.27580E+02	.00000E+00	1.49205E-01	1.27077E+00	2.07450E+00	5.73189E+00	3.15278E+01	6.79513E+01	1.06154E+02
87	6	2.32580E+02	.00000E+00	1.45913E-01	1.24276E+00	2.02894E+00	5.60565E+00	3.08336E+01	6.64619E+01	1.03842E+02
88	6	2.37580E+02	.00000E+00	1.42765E-01	1.21596E+00	1.98536E+00	5.48489E+00	3.01695E+01	6.50372E+01	1.01631E+02
89	6	2.42580E+02	.00000E+00	1.39749E-01	1.19029E+00	1.94362E+00	5.36925E+00	2.95336E+01	6.36729E+01	9.95128E+01
90	6	2.47580E+02	.00000E+00	1.36858E-01	1.16568E+00	1.90361E+00	5.25839E+00	2.89241E+01	6.23652E+01	9.74829E+01
91	6	2.52580E+02	.00000E+00	1.34085E-01	1.14207E+00	1.86522E+00	5.15204E+00	2.83393E+01	6.11106E+01	9.55352E+01
92	6	2.57580E+02	.00000E+00	1.31420E-01	1.11940E+00	1.82836E+00	5.04990E+00	2.77778E+01	5.99059E+01	9.36648E+01
93	6	2.62580E+02	.00000E+00	1.28859E-01	1.09760E+00	1.79293E+00	4.95175E+00	2.72381E+01	5.87481E+01	9.18670E+01
94	6	2.67580E+02	.00000E+00	1.26395E-01	1.07664E+00	1.75884E+00	4.85733E+00	2.67190E+01	5.76344E+01	9.01377E+01
95	6	2.72580E+02	.00000E+00	1.24023E-01	1.05646E+00	1.72603E+00	4.76644E+00	2.62193E+01	5.65624E+01	8.84728E+01
96	6	2.77580E+02	.00000E+00	1.21738E-01	1.03702E+00	1.69443E+00	4.67889E+00	2.57380E+01	5.55297E+01	8.68688E+01
97	6	2.82580E+02	.00000E+00	1.19536E-01	1.01828E+00	1.66396E+00	4.59449E+00	2.52740E+01	5.45342E+01	8.53223E+01
98	6	2.87580E+02	.00000E+00	1.17410E-01	1.00020E+00	1.63456E+00	4.51306E+00	2.48264E+01	5.35738E+01	8.38302E+01
99	6	2.92580E+02	.00000E+00	1.15359E-01	9.82744E-01	1.60619E+00	4.43446E+00	2.43944E+01	5.26467E+01	8.23897E+01
100	6	2.97580E+02	.00000E+00	1.13377E-01	9.65885E-01	1.57878E+00	4.35854E+00	2.39770E+01	5.17512E+01	8.09981E+01
101	6	3.02580E+02	.00000E+00	1.11462E-01	9.49589E-01	1.55228E+00	4.28517E+00	2.35737E+01	5.08857E+01	7.96528E+01
102	6	3.07580E+02	.00000E+00	1.09609E-01	9.33830E-01	1.52666E+00	4.21420E+00	2.31836E+01	5.00487E+01	7.83516E+01
103	6	3.12580E+02	.00000E+00	1.07817E-01	9.18581E-01	1.50187E+00	4.14554E+00	2.28062E+01	4.92387E+01	7.70923E+01
104	6	3.17580E+02	.00000E+00	1.06081E-01	9.03817E-01	1.47787E+00	4.07906E+00	2.24407E+01	4.84544E+01	7.58728E+01
105	6	3.22580E+02	.00000E+00	1.04400E-01	8.89515E-01	1.45462E+00	4.01466E+00	2.20868E+01	4.76947E+01	7.46914E+01
106	6	3.27580E+02	.00000E+00	1.02771E-01	8.75655E-01	1.43208E+00	3.95225E+00	2.17437E+01	4.69585E+01	7.35461E+01
107	6	3.32580E+02	.00000E+00	1.01191E-01	8.62215E-01	1.41023E+00	3.89173E+00	2.14111E+01	4.62445E+01	7.24353E+01
108	6	3.37580E+02	.00000E+00	9.96587E-02	8.49177E-01	1.38903E+00	3.83302E+00	2.10884E+01	4.55518E+01	7.13576E+01
109	6	3.42580E+02	.00000E+00	9.81712E-02	8.36522E-01	1.36846E+00	3.77604E+00	2.07752E+01	4.48795E+01	7.03113E+01
110	6	3.47580E+02	.00000E+00	9.67269E-02	8.24235E-01	1.34848E+00	3.72071E+00	2.04711E+01	4.42266E+01	6.92951E+01
111	6	3.52580E+02	.00000E+00	9.53238E-02	8.12299E-01	1.32907E+00	3.66696E+00	2.01757E+01	4.35924E+01	6.83078E+01
112	6	3.57580E+02	.00000E+00	9.39603E-02	8.00699E-01	1.31021E+00	3.61472E+00	1.98886E+01	4.29760E+01	6.73480E+01
113	6	3.62580E+02	.00000E+00	9.26346E-02	7.89422E-01	1.29187E+00	3.56394E+00	1.96095E+01	4.23767E+01	6.64147E+01
114	6	3.67580E+02	.00000E+00	9.13452E-02	7.78453E-01	1.27403E+00	3.51455E+00	1.93380E+01	4.17938E+01	6.55067E+01
115	6	3.72580E+02	.00000E+00	9.00907E-02	7.67781E-01	1.25667E+00	3.46648E+00	1.90739E+01	4.12266E+01	6.46231E+01
116	6	3.77580E+02	.00000E+00	8.88695E-02	7.57393E-01	1.23978E+00	3.41970E+00	1.88168E+01	4.06744E+01	6.37627E+01
117	6	3.82580E+02	.00000E+00	8.76805E-02	7.47278E-01	1.22333E+00	3.37415E+00	1.85664E+01	4.01367E+01	6.29248E+01
118	6	3.87580E+02	.00000E+00	8.65223E-02	7.37426E-01	1.20730E+00	3.32978E+00	1.83226E+01	3.96129E+01	6.21084E+01
119	6	3.92580E+02	.00000E+00	8.53938E-02	7.27826E-01	1.19169E+00	3.28654E+00	1.80850E+01	3.91026E+01	6.13126E+01
120	6	3.97580E+02	.00000E+00	8.42939E-02	7.18469E-01	1.17647E+00	3.24440E+00	1.78533E+01	3.86050E+01	6.05368E+01
121	6	4.02580E+02	.00000E+00	8.32214E-02	7.09346E-01	1.16163E+00	3.20330E+00	1.76275E+01	3.81199E+01	5.97802E+01
122	6	4.07580E+02	.00000E+00	8.21753E-02	7.00448E-01	1.14715E+00	3.16322E+00	1.74072E+01	3.76466E+01	5.90420E+01

123	6	4.12580E+02	.00000E+00	8.11547E-02	6.91766E-01	1.13303E+00	3.12411E+00	1.71923E+01	3.71848E+01	5.83215E+01
124	6	4.17580E+02	.00000E+00	8.01587E-02	6.83294E-01	1.11924E+00	3.08594E+00	1.69826E+01	3.67341E+01	5.76182E+01
125	6	4.22580E+02	.00000E+00	7.91863E-02	6.75023E-01	1.10579E+00	3.04868E+00	1.67778E+01	3.62941E+01	5.69314E+01
126	6	4.27580E+02	.00000E+00	7.82368E-02	6.66947E-01	1.09264E+00	3.01229E+00	1.65778E+01	3.58644E+01	5.62606E+01
127	6	4.32580E+02	.00000E+00	7.73093E-02	6.59058E-01	1.07981E+00	2.97675E+00	1.63825E+01	3.54446E+01	5.56051E+01
128	6	4.37580E+02	.00000E+00	7.64031E-02	6.51350E-01	1.06726E+00	2.94202E+00	1.61916E+01	3.50343E+01	5.49644E+01
129	6	4.42580E+02	.00000E+00	7.55174E-02	6.43818E-01	1.05500E+00	2.90807E+00	1.60051E+01	3.46334E+01	5.43381E+01
130	6	4.47580E+02	.00000E+00	7.46516E-02	6.36454E-01	1.04302E+00	2.87489E+00	1.58227E+01	3.42414E+01	5.37257E+01
131	6	4.52580E+02	.00000E+00	7.38050E-02	6.29254E-01	1.03130E+00	2.84244E+00	1.56444E+01	3.38580E+01	5.31266E+01
132	6	4.57580E+02	.00000E+00	7.29770E-02	6.22211E-01	1.01983E+00	2.81069E+00	1.54700E+01	3.34830E+01	5.25405E+01
133	6	4.62580E+02	.00000E+00	7.21669E-02	6.15322E-01	1.00861E+00	2.77964E+00	1.52993E+01	3.31161E+01	5.19669E+01
134	6	4.67580E+02	.00000E+00	7.13743E-02	6.08580E-01	9.97638E-01	2.74925E+00	1.51323E+01	3.27570E+01	5.14055E+01
135	6	4.72580E+02	.00000E+00	7.05984E-02	6.01981E-01	9.86893E-01	2.71951E+00	1.49688E+01	3.24055E+01	5.08558E+01
136	6	4.77580E+02	.00000E+00	6.98389E-02	5.95521E-01	9.76374E-01	2.69038E+00	1.48088E+01	3.20613E+01	5.03174E+01
137	6	4.82580E+02	.00000E+00	6.90951E-02	5.89194E-01	9.66072E-01	2.66186E+00	1.46521E+01	3.17243E+01	4.97901E+01
138	6	4.87580E+02	.00000E+00	6.83667E-02	5.82998E-01	9.55982E-01	2.63393E+00	1.44986E+01	3.13941E+01	4.92734E+01
139	6	4.92580E+02	.00000E+00	6.76531E-02	5.76926E-01	9.46096E-01	2.60656E+00	1.43482E+01	3.10706E+01	4.87672E+01
140	6	4.97580E+02	.00000E+00	6.69539E-02	5.70976E-01	9.36409E-01	2.57974E+00	1.42009E+01	3.07536E+01	4.82709E+01
141	6	5.02580E+02	.00000E+00	6.62686E-02	5.65144E-01	9.26915E-01	2.55346E+00	1.40564E+01	3.04429E+01	4.77844E+01
142	6	5.07580E+02	.00000E+00	6.55970E-02	5.59425E-01	9.17607E-01	2.52769E+00	1.39148E+01	3.01382E+01	4.73073E+01
143	6	5.12580E+02	.00000E+00	6.49384E-02	5.53816E-01	9.08481E-01	2.50243E+00	1.37760E+01	2.98395E+01	4.68394E+01
144	6	5.17580E+02	.00000E+00	6.42926E-02	5.48330E-01	8.99530E-01	2.47765E+00	1.36399E+01	2.95465E+01	4.63804E+01
145	6	5.22580E+02	.00000E+00	6.36593E-02	5.42954E-01	8.90751E-01	2.45335E+00	1.35063E+01	2.92591E+01	4.59300E+01
146	6	5.27580E+02	.00000E+00	6.30380E-02	5.37669E-01	8.82138E-01	2.42951E+00	1.33753E+01	2.89772E+01	4.54880E+01
147	6	5.32580E+02	.00000E+00	6.24284E-02	5.32483E-01	8.73686E-01	2.40611E+00	1.32468E+01	2.87005E+01	4.50542E+01
148	6	5.37580E+02	.00000E+00	6.18302E-02	5.27393E-01	8.65391E-01	2.38315E+00	1.31206E+01	2.84289E+01	4.46284E+01
149	6	5.42580E+02	.00000E+00	6.12430E-02	5.22397E-01	8.57248E-01	2.36061E+00	1.29967E+01	2.81622E+01	4.42102E+01
150	6	5.47580E+02	.00000E+00	6.06667E-02	5.17490E-01	8.49254E-01	2.33848E+00	1.28752E+01	2.79005E+01	4.37996E+01
151	6	5.52580E+02	.00000E+00	6.01008E-02	5.12672E-01	8.41404E-01	2.31675E+00	1.27558E+01	2.76434E+01	4.33962E+01
152	6	5.57580E+02	.00000E+00	5.95451E-02	5.07938E-01	8.33694E-01	2.29541E+00	1.26385E+01	2.73909E+01	4.30000E+01
153	6	5.62580E+02	.00000E+00	5.89993E-02	5.03300E-01	8.26121E-01	2.27445E+00	1.25233E+01	2.71429E+01	4.26107E+01
154	6	5.67580E+02	.00000E+00	5.84632E-02	4.98747E-01	8.18681E-01	2.25386E+00	1.24102E+01	2.68991E+01	4.22281E+01
155	6	5.72580E+02	.00000E+00	5.79365E-02	4.94263E-01	8.11370E-01	2.23362E+00	1.22990E+01	2.66597E+01	4.18520E+01
156	6	5.77580E+02	.00000E+00	5.74190E-02	4.89856E-01	8.04185E-01	2.21373E+00	1.21897E+01	2.64243E+01	4.14823E+01
157	6	5.82580E+02	.00000E+00	5.69104E-02	4.85523E-01	7.97124E-01	2.19419E+00	1.20824E+01	2.61930E+01	4.11189E+01
158	6	5.87580E+02	.00000E+00	5.64104E-02	4.81262E-01	7.90182E-01	2.17498E+00	1.19768E+01	2.59655E+01	4.07615E+01
159	6	5.92580E+02	.00000E+00	5.59189E-02	4.77083E-01	7.83356E-01	2.15608E+00	1.18730E+01	2.57419E+01	4.04100E+01
160	6	5.97580E+02	.00000E+00	5.54357E-02	4.72976E-01	7.76644E-01	2.13751E+00	1.17709E+01	2.55219E+01	4.00643E+01
161	6	6.02580E+02	.00000E+00	5.49604E-02	4.68927E-01	7.70043E-01	2.11924E+00	1.16706E+01	2.53056E+01	3.97242E+01
162	6	6.07580E+02	.00000E+00	5.44931E-02	4.64942E-01	7.63551E-01	2.10127E+00	1.15718E+01	2.50929E+01	3.93895E+01
163	6	6.12580E+02	.00000E+00	5.40334E-02	4.61031E-01	7.57163E-01	2.08359E+00	1.14747E+01	2.48835E+01	3.90602E+01
164	6	6.17580E+02	.00000E+00	5.35811E-02	4.57185E-01	7.50879E-01	2.06620E+00	1.13792E+01	2.46775E+01	3.87361E+01
165	6	6.22580E+02	.00000E+00	5.31361E-02	4.53390E-01	7.44694E-01	2.04908E+00	1.12851E+01	2.44748E+01	3.84171E+01
166	6	6.27580E+02	.00000E+00	5.26981E-02	4.49664E-01	7.38608E-01	2.03224E+00	1.11926E+01	2.42753E+01	3.81031E+01
167	6	6.32580E+02	.00000E+00	5.22670E-02	4.45997E-01	7.32617E-01	2.01566E+00	1.11015E+01	2.40789E+01	3.77939E+01
168	6	6.37580E+02	.00000E+00	5.18426E-02	4.42379E-01	7.26720E-01	1.99934E+00	1.10119E+01	2.38856E+01	3.74894E+01
169	6	6.42580E+02	.00000E+00	5.14247E-02	4.38823E-01	7.20914E-01	1.98327E+00	1.09236E+01	2.36952E+01	3.71896E+01
170	6	6.47580E+02	.00000E+00	5.10131E-02	4.35322E-01	7.15197E-01	1.96745E+00	1.08367E+01	2.35077E+01	3.68943E+01
171	6	6.52580E+02	.00000E+00	5.06077E-02	4.31865E-01	7.09567E-01	1.95187E+00	1.07511E+01	2.33231E+01	3.66033E+01
172	6	6.57580E+02	.00000E+00	5.02095E-02	4.28466E-01	7.04022E-01	1.93653E+00	1.06668E+01	2.31413E+01	3.63167E+01
173	6	6.62580E+02	.00000E+00	4.98176E-02	4.25117E-01	6.98560E-01	1.92142E+00	1.05838E+01	2.29621E+01	3.60343E+01
174	6	6.67580E+02	.00000E+00	4.94306E-02	4.21817E-01	6.93180E-01	1.90653E+00	1.05020E+01	2.27857E+01	3.57560E+01
175	6	6.72580E+02	.00000E+00	4.90492E-02	4.18564E-01	6.87878E-01	1.89186E+00	1.04214E+01	2.26118E+01	3.54818E+01
176	6	6.77580E+02	.00000E+00	4.86733E-02	4.15357E-01	6.82655E-01	1.87740E+00	1.03420E+01	2.24404E+01	3.52114E+01
177	6	6.82580E+02	.00000E+00	4.83027E-02	4.12202E-01	6.77507E-01	1.86316E+00	1.02637E+01	2.22715E+01	3.49450E+01
178	6	6.87580E+02	.00000E+00	4.79383E-02	4.09093E-01	6.72433E-01	1.84912E+00	1.01866E+01	2.21051E+01	3.46822E+01
179	6	6.92580E+02	.00000E+00	4.75794E-02	4.06029E-01	6.67432E-01	1.83528E+00	1.01106E+01	2.19410E+01	3.44232E+01
180	6	6.97580E+02	.00000E+00	4.72246E-02	4.03008E-01	6.62502E-01	1.82164E+00	1.00357E+01	2.17792E+01	3.41677E+01
181	6	7.02580E+02	.00000E+00	4.68745E-02	4.00031E-01	6.57642E-01	1.80820E+00	9.96178E+00	2.16197E+01	3.39158E+01
182	6	7.07580E+02	.00000E+00	4.65302E-02	3.97095E-01	6.52849E-01	1.79494E+00	9.88894E+00	2.14624E+01	3.36674E+01

183	6	7.12580E+02	.00000E+00	4.61907E-02	3.94200E-01	6.48124E-01	1.78186E+00	9.81712E+00	2.13073E+01	3.34223E+01
184	6	7.17580E+02	.00000E+00	4.58550E-02	3.91345E-01	6.43463E-01	1.76897E+00	9.74629E+00	2.11543E+01	3.31805E+01
185	6	7.22580E+02	.00000E+00	4.55244E-02	3.88529E-01	6.38866E-01	1.75625E+00	9.67643E+00	2.10035E+01	3.29420E+01
186	6	7.27580E+02	.00000E+00	4.51984E-02	3.85752E-01	6.34332E-01	1.74371E+00	9.60753E+00	2.08546E+01	3.27066E+01
187	6	7.32580E+02	.00000E+00	4.48758E-02	3.83012E-01	6.29859E-01	1.73133E+00	9.53955E+00	2.07077E+01	3.24743E+01
188	6	7.37580E+02	.00000E+00	4.45580E-02	3.80309E-01	6.25445E-01	1.71912E+00	9.47249E+00	2.05628E+01	3.22451E+01
189	6	7.42580E+02	.00000E+00	4.42443E-02	3.77643E-01	6.21091E-01	1.70708E+00	9.40633E+00	2.04199E+01	3.20189E+01
190	6	7.47580E+02	.00000E+00	4.39345E-02	3.75011E-01	6.16794E-01	1.69519E+00	9.34104E+00	2.02788E+01	3.17955E+01
191	6	7.52580E+02	.00000E+00	4.36295E-02	3.72415E-01	6.12554E-01	1.68346E+00	9.27661E+00	2.01395E+01	3.15751E+01
192	6	7.57580E+02	.00000E+00	4.33284E-02	3.69852E-01	6.08369E-01	1.67188E+00	9.21302E+00	2.00021E+01	3.13574E+01
193	6	7.62580E+02	.00000E+00	4.30311E-02	3.67323E-01	6.04238E-01	1.66045E+00	9.15026E+00	1.98664E+01	3.11425E+01
194	6	7.67580E+02	.00000E+00	4.27377E-02	3.64827E-01	6.00160E-01	1.64917E+00	9.08831E+00	1.97324E+01	3.09303E+01
195	6	7.72580E+02	.00000E+00	4.24480E-02	3.62362E-01	5.96134E-01	1.63804E+00	9.02715E+00	1.96002E+01	3.07207E+01
196	6	7.77580E+02	.00000E+00	4.21621E-02	3.59929E-01	5.92160E-01	1.62705E+00	8.96676E+00	1.94696E+01	3.05137E+01
197	6	7.82580E+02	.00000E+00	4.18798E-02	3.57527E-01	5.88235E-01	1.61619E+00	8.90714E+00	1.93406E+01	3.03092E+01
198	6	7.87580E+02	.00000E+00	4.16010E-02	3.55155E-01	5.84360E-01	1.60547E+00	8.84827E+00	1.92133E+01	3.01073E+01
199	6	7.92580E+02	.00000E+00	4.13255E-02	3.52812E-01	5.80532E-01	1.59489E+00	8.79014E+00	1.90875E+01	2.99078E+01
200	6	7.97580E+02	.00000E+00	4.10535E-02	3.50499E-01	5.76752E-01	1.58443E+00	8.73272E+00	1.89633E+01	2.97106E+01
201	6	8.02580E+02	.00000E+00	4.07848E-02	3.48214E-01	5.73019E-01	1.57411E+00	8.67601E+00	1.88406E+01	2.95159E+01
202	6	8.07580E+02	.00000E+00	4.05193E-02	3.45958E-01	5.69331E-01	1.56391E+00	8.61999E+00	1.87193E+01	2.93234E+01
203	6	8.12580E+02	.00000E+00	4.02570E-02	3.43728E-01	5.65687E-01	1.55383E+00	8.56466E+00	1.85996E+01	2.91332E+01
204	6	8.17580E+02	.00000E+00	3.99979E-02	3.41526E-01	5.62088E-01	1.54388E+00	8.50999E+00	1.84812E+01	2.89453E+01
205	6	8.22580E+02	.00000E+00	3.97417E-02	3.39350E-01	5.58531E-01	1.53404E+00	8.45598E+00	1.83643E+01	2.87595E+01
206	6	8.27580E+02	.00000E+00	3.94886E-02	3.37201E-01	5.55017E-01	1.52432E+00	8.40261E+00	1.82487E+01	2.85758E+01
207	6	8.32580E+02	.00000E+00	3.92384E-02	3.35076E-01	5.51544E-01	1.51472E+00	8.34987E+00	1.81345E+01	2.83943E+01
208	6	8.37580E+02	.00000E+00	3.89910E-02	3.32977E-01	5.48113E-01	1.50523E+00	8.29776E+00	1.80216E+01	2.82148E+01
209	6	8.42580E+02	.00000E+00	3.87469E-02	3.30903E-01	5.44721E-01	1.49585E+00	8.24625E+00	1.79100E+01	2.80373E+01
210	6	8.47580E+02	.00000E+00	3.85061E-02	3.28852E-01	5.41368E-01	1.48658E+00	8.19535E+00	1.77997E+01	2.78619E+01
211	6	8.52580E+02	.00000E+00	3.82680E-02	3.26826E-01	5.38054E-01	1.47742E+00	8.14503E+00	1.76907E+01	2.76884E+01
212	6	8.57580E+02	.00000E+00	3.80327E-02	3.24823E-01	5.34778E-01	1.46836E+00	8.09529E+00	1.75829E+01	2.75168E+01
213	6	8.62580E+02	.00000E+00	3.78002E-02	3.22842E-01	5.31539E-01	1.45941E+00	8.04611E+00	1.74763E+01	2.73471E+01
214	6	8.67580E+02	.00000E+00	3.75705E-02	3.20885E-01	5.28337E-01	1.45055E+00	7.99750E+00	1.73709E+01	2.71792E+01
215	6	8.72580E+02	.00000E+00	3.73435E-02	3.18949E-01	5.25171E-01	1.44180E+00	7.94943E+00	1.72667E+01	2.70132E+01
216	6	8.77580E+02	.00000E+00	3.71190E-02	3.17035E-01	5.22040E-01	1.43314E+00	7.90190E+00	1.71637E+01	2.68489E+01
217	6	8.82580E+02	.00000E+00	3.68970E-02	3.15143E-01	5.18944E-01	1.42458E+00	7.85491E+00	1.70617E+01	2.66864E+01
218	6	8.87580E+02	.00000E+00	3.66776E-02	3.13272E-01	5.15882E-01	1.41612E+00	7.80843E+00	1.69609E+01	2.65257E+01
219	6	8.92580E+02	.00000E+00	3.64606E-02	3.11421E-01	5.12854E-01	1.40775E+00	7.76246E+00	1.68612E+01	2.63666E+01
220	6	8.97580E+02	.00000E+00	3.62459E-02	3.09591E-01	5.09859E-01	1.39947E+00	7.71700E+00	1.67625E+01	2.62092E+01
221	6	9.02580E+02	.00000E+00	3.60337E-02	3.07781E-01	5.06896E-01	1.39128E+00	7.67203E+00	1.66649E+01	2.60535E+01
222	6	9.07580E+02	.00000E+00	3.58237E-02	3.05990E-01	5.03966E-01	1.38318E+00	7.62755E+00	1.65683E+01	2.58993E+01
223	6	9.12580E+02	.00000E+00	3.56161E-02	3.04219E-01	5.01066E-01	1.37517E+00	7.58355E+00	1.64728E+01	2.57467E+01
224	6	9.17580E+02	.00000E+00	3.54107E-02	3.02467E-01	4.98198E-01	1.36724E+00	7.54002E+00	1.63783E+01	2.55957E+01
225	6	9.22580E+02	.00000E+00	3.52075E-02	3.00734E-01	4.95360E-01	1.35940E+00	7.49695E+00	1.62847E+01	2.54462E+01
226	6	9.27580E+02	.00000E+00	3.50065E-02	2.99019E-01	4.92552E-01	1.35163E+00	7.45434E+00	1.61921E+01	2.52982E+01
227	6	9.32580E+02	.00000E+00	3.48076E-02	2.97322E-01	4.89773E-01	1.34396E+00	7.41217E+00	1.61005E+01	2.51517E+01
228	6	9.37580E+02	.00000E+00	3.46108E-02	2.95643E-01	4.87023E-01	1.33636E+00	7.37045E+00	1.60098E+01	2.50067E+01
229	6	9.42580E+02	.00000E+00	3.44162E-02	2.93982E-01	4.84302E-01	1.32884E+00	7.32916E+00	1.59200E+01	2.48631E+01
230	6	9.47580E+02	.00000E+00	3.42235E-02	2.92338E-01	4.81609E-01	1.32140E+00	7.28829E+00	1.58312E+01	2.47208E+01
231	6	9.52580E+02	.00000E+00	3.40329E-02	2.90711E-01	4.78943E-01	1.31403E+00	7.24785E+00	1.57432E+01	2.45800E+01
232	6	9.57580E+02	.00000E+00	3.38443E-02	2.89101E-01	4.76305E-01	1.30674E+00	7.20782E+00	1.56561E+01	2.44405E+01
233	6	9.62580E+02	.00000E+00	3.36576E-02	2.87508E-01	4.73693E-01	1.29952E+00	7.16820E+00	1.55699E+01	2.43023E+01
234	6	9.67580E+02	.00000E+00	3.34729E-02	2.85930E-01	4.71107E-01	1.29238E+00	7.12898E+00	1.54845E+01	2.41655E+01
235	6	9.72580E+02	.00000E+00	3.32900E-02	2.84369E-01	4.68547E-01	1.28531E+00	7.09015E+00	1.54000E+01	2.40299E+01
236	6	9.77580E+02	.00000E+00	3.31090E-02	2.82824E-01	4.66013E-01	1.27831E+00	7.05170E+00	1.53162E+01	2.38956E+01
237	6	9.82580E+02	.00000E+00	3.29299E-02	2.81294E-01	4.63504E-01	1.27138E+00	7.01365E+00	1.52333E+01	2.37626E+01
238	6	9.87580E+02	.00000E+00	3.27526E-02	2.79779E-01	4.61020E-01	1.26452E+00	6.97596E+00	1.51512E+01	2.36308E+01
239	6	9.92580E+02	.00000E+00	3.25771E-02	2.78280E-01	4.58560E-01	1.25772E+00	6.93865E+00	1.50699E+01	2.35001E+01
240	6	9.97580E+02	.00000E+00	3.24033E-02	2.76795E-01	4.56124E-01	1.25100E+00	6.90171E+00	1.49893E+01	2.33707E+01
241	6	1.00258E+03	.00000E+00	3.22314E-02	2.75325E-01	4.53711E-01	1.24433E+00	6.86512E+00	1.49095E+01	2.32424E+01
242	6	1.00758E+03	.00000E+00	3.20613E-02	2.73870E-01	4.51322E-01	1.23773E+00	6.82888E+00	1.48304E+01	2.31153E+01

243	6	1.01258E+03	.00000E+00	3.18929E-02	2.72429E-01	4.48956E-01	1.23120E+00	6.79300E+00	1.47520E+01	2.29893E+01
244	6	1.01758E+03	.00000E+00	3.17261E-02	2.71001E-01	4.46612E-01	1.22473E+00	6.75745E+00	1.46744E+01	2.28643E+01
245	6	1.02258E+03	.00000E+00	3.15610E-02	2.69588E-01	4.44290E-01	1.21832E+00	6.72225E+00	1.45975E+01	2.27405E+01
246	6	1.02758E+03	.00000E+00	3.13974E-02	2.68189E-01	4.41990E-01	1.21197E+00	6.68738E+00	1.45213E+01	2.26177E+01
247	6	1.03258E+03	.00000E+00	3.12355E-02	2.66802E-01	4.39712E-01	1.20568E+00	6.65283E+00	1.44457E+01	2.24959E+01
248	6	1.03758E+03	.00000E+00	3.10751E-02	2.65430E-01	4.37455E-01	1.19945E+00	6.61861E+00	1.43709E+01	2.23752E+01
249	6	1.04258E+03	.00000E+00	3.09162E-02	2.64070E-01	4.35218E-01	1.19328E+00	6.58470E+00	1.42966E+01	2.22555E+01
250	6	1.04758E+03	.00000E+00	3.07589E-02	2.62723E-01	4.33002E-01	1.18716E+00	6.55111E+00	1.42231E+01	2.21367E+01
251	6	1.05258E+03	.00000E+00	3.06031E-02	2.61389E-01	4.30807E-01	1.18111E+00	6.51782E+00	1.41501E+01	2.20189E+01
252	6	1.05758E+03	.00000E+00	3.04488E-02	2.60066E-01	4.28631E-01	1.17510E+00	6.48484E+00	1.40778E+01	2.19020E+01
253	6	1.06258E+03	.00000E+00	3.02959E-02	2.58758E-01	4.26475E-01	1.16915E+00	6.45215E+00	1.40061E+01	2.17861E+01
254	6	1.06758E+03	.00000E+00	3.01445E-02	2.57461E-01	4.24338E-01	1.16326E+00	6.41976E+00	1.39350E+01	2.16711E+01
255	6	1.07258E+03	.00000E+00	2.99945E-02	2.56176E-01	4.22220E-01	1.15742E+00	6.38766E+00	1.38645E+01	2.15569E+01
256	6	1.07758E+03	.00000E+00	2.98459E-02	2.54903E-01	4.20121E-01	1.15163E+00	6.35584E+00	1.37946E+01	2.14436E+01
257	6	1.08258E+03	.00000E+00	2.96987E-02	2.53641E-01	4.18040E-01	1.14589E+00	6.32430E+00	1.37252E+01	2.13311E+01
258	6	1.08758E+03	.00000E+00	2.95529E-02	2.52392E-01	4.15977E-01	1.14020E+00	6.29304E+00	1.36564E+01	2.12194E+01

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 TOTAL FLUX - G=GROUP NO. N= 8

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	1.24708E+04	1.38639E+04	1.56085E+04	6.96937E+03	1.58786E+03	8.42386E+03	1.98586E+04	2.28237E+04
2	1	1.00000E+00	1.24726E+04	1.38667E+04	1.56115E+04	6.97107E+03	1.58836E+03	8.42586E+03	1.98617E+04	2.28264E+04
3	1	2.67567E+00	1.24693E+04	1.38642E+04	1.56084E+04	6.96981E+03	1.58812E+03	8.42422E+03	1.98574E+04	2.28211E+04
4	1	5.02700E+00	1.24575E+04	1.38530E+04	1.55950E+04	6.96357E+03	1.58662E+03	8.41645E+03	1.98409E+04	2.28025E+04
5	1	7.37833E+00	1.24380E+04	1.38334E+04	1.55718E+04	6.95256E+03	1.58392E+03	8.40281E+03	1.98128E+04	2.27712E+04
6	1	9.72967E+00	1.24114E+04	1.38063E+04	1.55396E+04	6.93735E+03	1.58018E+03	8.38398E+03	1.97741E+04	2.27283E+04
7	1	1.20810E+01	1.23777E+04	1.37721E+04	1.54990E+04	6.91811E+03	1.57546E+03	8.36015E+03	1.97251E+04	2.26738E+04
8	1	1.44323E+01	1.23370E+04	1.37306E+04	1.54498E+04	6.89487E+03	1.56975E+03	8.33137E+03	1.96659E+04	2.26077E+04
9	1	1.67837E+01	1.22891E+04	1.36818E+04	1.53919E+04	6.86758E+03	1.56307E+03	8.29759E+03	1.95961E+04	2.25297E+04
10	1	1.91350E+01	1.22336E+04	1.36254E+04	1.53251E+04	6.83614E+03	1.55539E+03	8.25867E+03	1.95155E+04	2.24394E+04
11	1	2.14863E+01	1.21703E+04	1.35612E+04	1.52490E+04	6.80042E+03	1.54669E+03	8.21448E+03	1.94237E+04	2.23364E+04
12	1	2.38377E+01	1.20989E+04	1.34886E+04	1.51632E+04	6.76025E+03	1.53692E+03	8.16480E+03	1.93203E+04	2.22200E+04
13	1	2.61890E+01	1.20187E+04	1.34073E+04	1.50672E+04	6.71544E+03	1.52605E+03	8.10942E+03	1.92046E+04	2.20895E+04
14	1	2.85403E+01	1.19294E+04	1.33167E+04	1.49605E+04	6.66574E+03	1.51404E+03	8.04805E+03	1.90760E+04	2.19443E+04
15	1	3.08917E+01	1.18303E+04	1.32161E+04	1.48423E+04	6.61090E+03	1.50081E+03	7.98039E+03	1.89339E+04	2.17833E+04
16	1	3.32430E+01	1.17208E+04	1.31050E+04	1.47119E+04	6.55061E+03	1.48631E+03	7.90608E+03	1.87773E+04	2.16056E+04
17	1	3.55943E+01	1.16000E+04	1.29823E+04	1.45684E+04	6.48453E+03	1.47048E+03	7.82474E+03	1.86054E+04	2.14100E+04
18	1	3.79457E+01	1.14672E+04	1.28473E+04	1.44110E+04	6.41227E+03	1.45321E+03	7.73590E+03	1.84170E+04	2.11952E+04
19	1	4.02970E+01	1.13212E+04	1.26987E+04	1.42384E+04	6.33340E+03	1.43444E+03	7.63906E+03	1.82110E+04	2.09598E+04
20	1	4.26483E+01	1.11611E+04	1.25354E+04	1.40494E+04	6.24740E+03	1.41404E+03	7.53364E+03	1.79859E+04	2.07020E+04
21	1	4.49997E+01	1.09855E+04	1.23558E+04	1.38426E+04	6.15371E+03	1.39190E+03	7.41896E+03	1.77403E+04	2.04200E+04
22	1	4.73510E+01	1.07928E+04	1.21583E+04	1.36161E+04	6.05164E+03	1.36788E+03	7.29425E+03	1.74723E+04	2.01114E+04
23	1	4.97023E+01	1.05812E+04	1.19409E+04	1.33680E+04	5.94044E+03	1.34182E+03	7.15863E+03	1.71797E+04	1.97737E+04
24	1	5.20537E+01	1.03488E+04	1.17011E+04	1.30960E+04	5.81916E+03	1.31353E+03	7.01101E+03	1.68602E+04	1.94039E+04
25	1	5.44050E+01	1.00930E+04	1.14360E+04	1.27972E+04	5.68671E+03	1.28279E+03	6.85014E+03	1.65107E+04	1.89984E+04
26	1	5.67563E+01	9.81062E+03	1.11419E+04	1.24679E+04	5.54171E+03	1.24930E+03	6.67442E+03	1.61276E+04	1.85528E+04
27	1	5.91077E+01	9.49781E+03	1.08139E+04	1.21037E+04	5.38241E+03	1.21271E+03	6.48185E+03	1.57064E+04	1.80615E+04
28	1	6.14590E+01	9.14932E+03	1.04458E+04	1.16986E+04	5.20649E+03	1.17255E+03	6.26980E+03	1.52410E+04	1.75174E+04
29	1	6.38103E+01	8.75769E+03	1.00281E+04	1.12439E+04	5.01071E+03	1.12816E+03	6.03456E+03	1.47232E+04	1.69103E+04
30	1	6.61617E+01	8.31156E+03	9.54680E+03	1.07271E+04	4.79025E+03	1.07857E+03	5.77064E+03	1.41406E+04	1.62256E+04
31	1	6.85130E+01	7.79167E+03	8.97819E+03	1.01270E+04	4.53734E+03	1.02228E+03	5.46926E+03	1.34738E+04	1.54389E+04
32	1	7.08643E+01	7.16142E+03	8.27857E+03	9.40618E+03	4.23832E+03	9.56676E+02	5.11501E+03	1.26881E+04	1.45067E+04
33	1	7.27900E+01	6.53686E+03	7.57783E+03	8.70121E+03	3.95056E+03	8.94501E+02	4.77599E+03	1.19343E+04	1.36060E+04
34	1	7.37900E+01	6.15646E+03	7.14850E+03	8.27744E+03	3.77987E+03	8.58102E+02	4.57576E+03	1.14881E+04	1.30693E+04
0										
35	2	7.43575E+01	5.52104E+03	6.36746E+03	7.46923E+03	3.43186E+03	7.87919E+02	4.18477E+03	1.06541E+04	1.21675E+04
36	2	7.49925E+01	4.59694E+03	5.22869E+03	6.25810E+03	2.89950E+03	6.78588E+02	3.58391E+03	9.34925E+03	1.07705E+04
37	2	7.56275E+01	3.89365E+03	4.38665E+03	5.32829E+03	2.48326E+03	5.88827E+02	3.10383E+03	8.25254E+03	9.57061E+03
38	2	7.62625E+01	3.32618E+03	3.72332E+03	4.57494E+03	2.14089E+03	5.12671E+02	2.70377E+03	7.30324E+03	8.50827E+03
0										
39	3	7.68300E+01	3.05888E+03	3.41479E+03	4.22159E+03	1.97894E+03	4.75881E+02	2.51368E+03	6.84610E+03	7.98777E+03

40	3	7.73300E+01	3.04012E+03	3.39345E+03	4.20002E+03	1.96884E+03	4.73048E+02	2.50192E+03	6.82156E+03	7.95537E+03	
41	3	7.78300E+01	3.02321E+03	3.37412E+03	4.18083E+03	1.95982E+03	4.70487E+02	2.49156E+03	6.80066E+03	7.92710E+03	
0											
42	4	7.83300E+01	2.85723E+03	3.18278E+03	3.96196E+03	1.85779E+03	4.45192E+02	2.36697E+03	6.50053E+03	7.57825E+03	
43	4	7.88300E+01	2.56047E+03	2.84074E+03	3.56429E+03	1.67324E+03	4.00247E+02	2.13943E+03	5.94123E+03	6.94326E+03	
44	4	7.93300E+01	2.29978E+03	2.54031E+03	3.20836E+03	1.50953E+03	3.61244E+02	1.93458E+03	5.42413E+03	6.37788E+03	
45	4	7.98300E+01	2.07116E+03	2.27613E+03	2.88953E+03	1.36445E+03	3.27433E+02	1.74996E+03	4.94548E+03	5.87766E+03	
0											
46	5	8.03300E+01	1.87165E+03	2.04627E+03	2.60567E+03	1.23704E+03	2.99691E+02	1.59122E+03	4.51726E+03	5.45033E+03	
47	5	8.10800E+01	1.61769E+03	1.75840E+03	2.24469E+03	1.07394E+03	2.65349E+02	1.39491E+03	3.97194E+03	4.89298E+03	
48	5	8.20800E+01	1.32429E+03	1.42999E+03	1.83201E+03	8.84149E+02	2.23629E+02	1.16479E+03	3.33225E+03	4.20169E+03	
49	5	8.30800E+01	1.08380E+03	1.16420E+03	1.49642E+03	7.27111E+02	1.87528E+02	9.71604E+02	2.79264E+03	3.58657E+03	
50	5	8.40800E+01	8.86738E+02	9.48217E+02	1.22207E+03	5.97207E+02	1.56706E+02	8.09143E+02	2.33528E+03	3.04649E+03	
51	5	8.50800E+01	7.24752E+02	7.71863E+02	9.96580E+02	4.89407E+02	1.30490E+02	6.72085E+02	1.94595E+03	2.57377E+03	
52	5	8.60800E+01	5.90924E+02	6.26983E+02	8.10043E+02	3.99449E+02	1.08167E+02	5.55902E+02	1.61261E+03	2.15911E+03	
53	5	8.70800E+01	4.79441E+02	5.06937E+02	6.54235E+02	3.23684E+02	8.90474E+01	4.56567E+02	1.32445E+03	1.79231E+03	
54	5	8.80800E+01	3.85041E+02	4.05789E+02	5.21659E+02	2.58663E+02	7.24421E+01	3.70116E+02	1.07027E+03	1.46140E+03	
55	5	8.90800E+01	3.01516E+02	3.16870E+02	4.03282E+02	2.00169E+02	5.75497E+01	2.91472E+02	8.34399E+02	1.14878E+03	
56	5	8.98300E+01	2.41399E+02	2.53342E+02	3.17128E+02	1.57485E+02	4.69274E+01	2.33884E+02	6.57821E+02	9.13537E+02	
0											
57	6	9.03300E+01	2.19961E+02	2.30855E+02	2.86228E+02	1.42185E+02	4.31927E+01	2.13142E+02	5.93312E+02	8.27551E+02	
58	6	9.10800E+01	2.16333E+02	2.27088E+02	2.81321E+02	1.39744E+02	4.24966E+01	2.09485E+02	5.82673E+02	8.12553E+02	
59	6	9.25800E+01	2.09778E+02	2.20271E+02	2.72487E+02	1.35351E+02	4.12349E+01	2.02900E+02	5.63606E+02	7.85685E+02	
60	6	9.55800E+01	1.98739E+02	2.08761E+02	2.57693E+02	1.27998E+02	3.90986E+01	1.91874E+02	5.31935E+02	7.41098E+02	
61	6	1.00236E+02	1.84811E+02	1.94192E+02	2.39159E+02	1.18791E+02	3.63868E+01	1.78061E+02	4.92649E+02	6.85850E+02	
62	6	1.05549E+02	1.72040E+02	1.80791E+02	2.22285E+02	1.10413E+02	3.38850E+01	1.65489E+02	4.57250E+02	6.36133E+02	
63	6	1.10861E+02	1.61543E+02	1.69751E+02	2.08493E+02	1.03569E+02	3.18201E+01	1.55216E+02	4.28549E+02	5.95867E+02	
64	6	1.16174E+02	1.52574E+02	1.60305E+02	1.96749E+02	9.77432E+01	3.00517E+01	1.46471E+02	4.04232E+02	5.61778E+02	
65	6	1.21486E+02	1.44738E+02	1.52045E+02	1.86513E+02	9.26661E+01	2.85043E+01	1.38851E+02	3.83108E+02	5.32181E+02	
66	6	1.26799E+02	1.37791E+02	1.44718E+02	1.77455E+02	8.81733E+01	2.71312E+01	1.32108E+02	3.64458E+02	5.06063E+02	
67	6	1.32111E+02	1.31567E+02	1.38150E+02	1.69349E+02	8.41536E+01	2.59001E+01	1.26075E+02	3.47800E+02	4.82745E+02	
68	6	1.37424E+02	1.25943E+02	1.32214E+02	1.62035E+02	8.05264E+01	2.47874E+01	1.20632E+02	3.32790E+02	4.61738E+02	
69	6	1.42580E+02	1.20966E+02	1.26959E+02	1.55567E+02	7.73191E+01	2.38023E+01	1.15819E+02	3.19532E+02	4.43189E+02	
70	6	1.47580E+02	1.16540E+02	1.22287E+02	1.49821E+02	7.44697E+01	2.29262E+01	1.11544E+02	3.07763E+02	4.26728E+02	
71	6	1.52580E+02	1.12453E+02	1.17971E+02	1.44518E+02	7.18400E+01	2.21169E+01	1.07598E+02	2.96910E+02	4.11550E+02	
72	6	1.57580E+02	1.08663E+02	1.13969E+02	1.39604E+02	6.94033E+01	2.13666E+01	1.03943E+02	2.86859E+02	3.97497E+02	
73	6	1.62580E+02	1.05138E+02	1.10246E+02	1.35035E+02	6.71376E+01	2.06685E+01	1.00544E+02	2.77518E+02	3.84438E+02	
74	6	1.67580E+02	1.01847E+02	1.06771E+02	1.30773E+02	6.50241E+01	2.00169E+01	9.73729E+01	2.68808E+02	3.72265E+02	
75	6	1.72580E+02	9.87681E+01	1.03519E+02	1.26786E+02	6.30471E+01	1.94072E+01	9.44071E+01	2.60664E+02	3.60882E+02	
76	6	1.77580E+02	9.58788E+01	1.00468E+02	1.23047E+02	6.11929E+01	1.88352E+01	9.16256E+01	2.53027E+02	3.50212E+02	
77	6	1.82580E+02	9.31616E+01	9.75992E+01	1.19532E+02	5.94497E+01	1.82972E+01	8.90108E+01	2.45850E+02	3.40184E+02	
78	6	1.87580E+02	9.06006E+01	9.48954E+01	1.16220E+02	5.78074E+01	1.77902E+01	8.65473E+01	2.39089E+02	3.30739E+02	
79	6	1.92580E+02	8.81822E+01	9.23422E+01	1.13094E+02	5.62569E+01	1.73115E+01	8.42216E+01	2.32707E+02	3.21825E+02	
80	6	1.97580E+02	8.58940E+01	8.99269E+01	1.10137E+02	5.47904E+01	1.68587E+01	8.20220E+01	2.26672E+02	3.13397E+02	
81	6	2.02580E+02	8.37255E+01	8.76381E+01	1.07336E+02	5.34011E+01	1.64295E+01	7.99381E+01	2.20955E+02	3.05413E+02	
82	6	2.07580E+02	8.16671E+01	8.54657E+01	1.04678E+02	5.20826E+01	1.60222E+01	7.79605E+01	2.15529E+02	2.97838E+02	
83	6	2.12580E+02	7.97103E+01	8.34007E+01	1.02151E+02	5.08294E+01	1.56351E+01	7.60810E+01	2.10374E+02	2.90639E+02	
84	6	2.17580E+02	7.78474E+01	8.14352E+01	9.97470E+01	4.96367E+01	1.52666E+01	7.42922E+01	2.05467E+02	2.83789E+02	
85	6	2.22580E+02	7.60716E+01	7.95618E+01	9.74556E+01	4.85001E+01	1.49154E+01	7.25875E+01	2.00790E+02	2.77262E+02	
86	6	2.27580E+02	7.43767E+01	7.77740E+01	9.52691E+01	4.74154E+01	1.45803E+01	7.09608E+01	1.96328E+02	2.71034E+02	
87	6	2.32580E+02	7.27571E+01	7.60659E+01	9.31804E+01	4.63792E+01	1.42601E+01	6.94068E+01	1.92065E+02	2.65085E+02	
88	6	2.37580E+02	7.12078E+01	7.44321E+01	9.11828E+01	4.53882E+01	1.39538E+01	6.79205E+01	1.87988E+02	2.59395E+02	
89	6	2.42580E+02	6.97242E+01	7.28678E+01	8.92702E+01	4.44393E+01	1.36606E+01	6.64975E+01	1.84084E+02	2.53948E+02	
90	6	2.47580E+02	6.83020E+01	7.13685E+01	8.74373E+01	4.35299E+01	1.33796E+01	6.51337E+01	1.80343E+02	2.48728E+02	
91	6	2.52580E+02	6.69373E+01	6.99301E+01	8.56790E+01	4.26575E+01	1.31100E+01	6.38254E+01	1.76753E+02	2.43720E+02	
92	6	2.57580E+02	6.56268E+01	6.85489E+01	8.39907E+01	4.18198E+01	1.28511E+01	6.25691E+01	1.73306E+02	2.38912E+02	
93	6	2.62580E+02	6.43671E+01	6.72215E+01	8.23683E+01	4.10147E+01	1.26023E+01	6.13618E+01	1.69994E+02	2.34292E+02	
94	6	2.67580E+02	6.31552E+01	6.59448E+01	8.08079E+01	4.02403E+01	1.23631E+01	6.02007E+01	1.66807E+02	2.29848E+02	
95	6	2.72580E+02	6.19885E+01	6.47157E+01	7.93058E+01	3.94949E+01	1.21327E+01	5.90829E+01	1.63740E+02	2.25570E+02	
96	6	2.77580E+02	6.08643E+01	6.35318E+01	7.78589E+01	3.87769E+01	1.19109E+01	5.80061E+01	1.60784E+02	2.21449E+02	

97	6	2.82580E+02	5.97804E+01	6.23904E+01	7.64641E+01	3.80846E+01	1.16970E+01	5.69681E+01	1.57935E+02	2.17477E+02
98	6	2.87580E+02	5.87346E+01	6.12892E+01	7.51186E+01	3.74168E+01	1.14906E+01	5.59666E+01	1.55186E+02	2.13644E+02
99	6	2.92580E+02	5.77248E+01	6.02263E+01	7.38197E+01	3.67721E+01	1.12915E+01	5.49999E+01	1.52532E+02	2.09945E+02
100	6	2.97580E+02	5.67492E+01	5.91994E+01	7.25650E+01	3.61493E+01	1.10991E+01	5.40661E+01	1.49969E+02	2.06371E+02
101	6	3.02580E+02	5.58060E+01	5.82069E+01	7.13523E+01	3.55473E+01	1.09131E+01	5.31634E+01	1.47490E+02	2.02916E+02
102	6	3.07580E+02	5.48937E+01	5.72470E+01	7.01795E+01	3.49650E+01	1.07333E+01	5.22904E+01	1.45093E+02	1.99575E+02
103	6	3.12580E+02	5.40107E+01	5.63181E+01	6.90445E+01	3.44016E+01	1.05592E+01	5.14456E+01	1.42773E+02	1.96342E+02
104	6	3.17580E+02	5.31556E+01	5.54187E+01	6.79456E+01	3.38560E+01	1.03907E+01	5.06276E+01	1.40526E+02	1.93211E+02
105	6	3.22580E+02	5.23270E+01	5.45473E+01	6.68810E+01	3.33275E+01	1.02275E+01	4.98351E+01	1.38349E+02	1.90178E+02
106	6	3.27580E+02	5.15237E+01	5.37027E+01	6.58491E+01	3.28151E+01	1.00693E+01	4.90669E+01	1.36239E+02	1.87238E+02
107	6	3.32580E+02	5.07446E+01	5.28837E+01	6.48485E+01	3.23183E+01	9.91585E+00	4.83220E+01	1.34192E+02	1.84386E+02
108	6	3.37580E+02	4.99886E+01	5.20891E+01	6.38776E+01	3.18362E+01	9.76699E+00	4.75992E+01	1.32206E+02	1.81620E+02
109	6	3.42580E+02	4.92546E+01	5.13177E+01	6.29353E+01	3.13682E+01	9.62251E+00	4.68976E+01	1.30278E+02	1.78934E+02
110	6	3.47580E+02	4.85416E+01	5.05686E+01	6.20201E+01	3.09137E+01	9.48220E+00	4.62162E+01	1.28405E+02	1.76326E+02
111	6	3.52580E+02	4.78488E+01	4.98408E+01	6.11310E+01	3.04722E+01	9.34589E+00	4.55542E+01	1.26585E+02	1.73792E+02
112	6	3.57580E+02	4.71753E+01	4.91334E+01	6.02668E+01	3.00430E+01	9.21340E+00	4.49107E+01	1.24816E+02	1.71328E+02
113	6	3.62580E+02	4.65203E+01	4.84456E+01	5.94265E+01	2.96256E+01	9.08458E+00	4.42850E+01	1.23096E+02	1.68933E+02
114	6	3.67580E+02	4.58831E+01	4.77765E+01	5.86090E+01	2.92196E+01	8.95927E+00	4.36763E+01	1.21422E+02	1.66603E+02
115	6	3.72580E+02	4.52628E+01	4.71254E+01	5.78136E+01	2.88245E+01	8.83733E+00	4.30839E+01	1.19793E+02	1.64335E+02
116	6	3.77580E+02	4.46588E+01	4.64915E+01	5.70392E+01	2.84398E+01	8.71862E+00	4.25072E+01	1.18207E+02	1.62127E+02
117	6	3.82580E+02	4.40706E+01	4.58741E+01	5.62850E+01	2.80651E+01	8.60302E+00	4.19455E+01	1.16662E+02	1.59976E+02
118	6	3.87580E+02	4.34973E+01	4.52727E+01	5.55503E+01	2.77001E+01	8.49040E+00	4.13983E+01	1.15157E+02	1.57881E+02
119	6	3.92580E+02	4.29386E+01	4.46866E+01	5.48342E+01	2.73444E+01	8.38066E+00	4.08650E+01	1.13690E+02	1.55839E+02
120	6	3.97580E+02	4.23938E+01	4.41152E+01	5.41362E+01	2.69975E+01	8.27367E+00	4.03451E+01	1.12259E+02	1.53848E+02
121	6	4.02580E+02	4.18624E+01	4.35580E+01	5.34554E+01	2.66593E+01	8.16933E+00	3.98380E+01	1.10863E+02	1.51906E+02
122	6	4.07580E+02	4.13439E+01	4.30144E+01	5.27913E+01	2.63293E+01	8.06755E+00	3.93433E+01	1.09502E+02	1.50012E+02
123	6	4.12580E+02	4.08378E+01	4.24839E+01	5.21432E+01	2.60072E+01	7.96824E+00	3.88606E+01	1.08173E+02	1.48163E+02
124	6	4.17580E+02	4.03437E+01	4.19661E+01	5.15106E+01	2.56929E+01	7.87130E+00	3.83893E+01	1.06876E+02	1.46358E+02
125	6	4.22580E+02	3.98612E+01	4.14605E+01	5.08929E+01	2.53859E+01	7.77664E+00	3.79292E+01	1.05609E+02	1.44595E+02
126	6	4.27580E+02	3.93898E+01	4.09666E+01	5.02896E+01	2.50860E+01	7.68420E+00	3.74797E+01	1.04371E+02	1.42874E+02
127	6	4.32580E+02	3.89292E+01	4.04842E+01	4.97001E+01	2.47931E+01	7.59388E+00	3.70406E+01	1.03161E+02	1.41191E+02
128	6	4.37580E+02	3.84790E+01	4.00127E+01	4.91241E+01	2.45068E+01	7.50562E+00	3.66114E+01	1.01979E+02	1.39547E+02
129	6	4.42580E+02	3.80388E+01	3.95518E+01	4.85610E+01	2.42269E+01	7.41935E+00	3.61918E+01	1.00823E+02	1.37940E+02
130	6	4.47580E+02	3.76083E+01	3.91011E+01	4.80104E+01	2.39532E+01	7.33500E+00	3.57816E+01	9.96929E+01	1.36368E+02
131	6	4.52580E+02	3.71872E+01	3.86604E+01	4.74719E+01	2.36855E+01	7.25250E+00	3.53803E+01	9.85872E+01	1.34831E+02
132	6	4.57580E+02	3.67752E+01	3.82292E+01	4.69450E+01	2.34236E+01	7.17179E+00	3.49878E+01	9.75053E+01	1.33327E+02
133	6	4.62580E+02	3.63719E+01	3.78073E+01	4.64295E+01	2.31673E+01	7.09283E+00	3.46036E+01	9.64464E+01	1.31855E+02
134	6	4.67580E+02	3.59771E+01	3.73943E+01	4.59249E+01	2.29164E+01	7.01554E+00	3.42276E+01	9.54099E+01	1.30414E+02
135	6	4.72580E+02	3.55906E+01	3.69900E+01	4.54310E+01	2.26708E+01	6.93988E+00	3.38595E+01	9.43949E+01	1.29003E+02
136	6	4.77580E+02	3.52120E+01	3.65941E+01	4.49472E+01	2.24303E+01	6.86579E+00	3.34990E+01	9.34009E+01	1.27622E+02
137	6	4.82580E+02	3.48411E+01	3.62064E+01	4.44735E+01	2.21947E+01	6.79323E+00	3.31459E+01	9.24270E+01	1.26268E+02
138	6	4.87580E+02	3.44777E+01	3.58265E+01	4.40093E+01	2.19639E+01	6.72215E+00	3.27999E+01	9.14729E+01	1.24942E+02
139	6	4.92580E+02	3.41215E+01	3.54543E+01	4.35545E+01	2.17377E+01	6.65250E+00	3.24609E+01	9.05377E+01	1.23643E+02
140	6	4.97580E+02	3.37724E+01	3.50895E+01	4.31088E+01	2.15160E+01	6.58424E+00	3.21287E+01	8.96210E+01	1.22369E+02
141	6	5.02580E+02	3.34300E+01	3.47319E+01	4.26718E+01	2.12987E+01	6.51733E+00	3.18030E+01	8.87223E+01	1.21121E+02
142	6	5.07580E+02	3.30943E+01	3.43813E+01	4.22433E+01	2.10856E+01	6.45172E+00	3.14836E+01	8.78409E+01	1.19896E+02
143	6	5.12580E+02	3.27651E+01	3.40374E+01	4.18232E+01	2.08766E+01	6.38739E+00	3.11704E+01	8.69763E+01	1.18695E+02
144	6	5.17580E+02	3.24420E+01	3.37002E+01	4.14110E+01	2.06716E+01	6.32429E+00	3.08631E+01	8.61282E+01	1.17517E+02
145	6	5.22580E+02	3.21250E+01	3.33693E+01	4.10067E+01	2.04704E+01	6.26239E+00	3.05617E+01	8.52959E+01	1.16361E+02
146	6	5.27580E+02	3.18139E+01	3.30446E+01	4.06099E+01	2.02730E+01	6.20165E+00	3.02659E+01	8.44791E+01	1.15227E+02
147	6	5.32580E+02	3.15086E+01	3.27260E+01	4.02205E+01	2.00793E+01	6.14204E+00	2.99756E+01	8.36773E+01	1.14114E+02
148	6	5.37580E+02	3.12087E+01	3.24132E+01	3.98383E+01	1.98891E+01	6.08353E+00	2.96906E+01	8.28902E+01	1.13020E+02
149	6	5.42580E+02	3.09143E+01	3.21062E+01	3.94630E+01	1.97024E+01	6.02609E+00	2.94107E+01	8.21172E+01	1.11947E+02
150	6	5.47580E+02	3.06252E+01	3.18046E+01	3.90945E+01	1.95191E+01	5.96968E+00	2.91360E+01	8.13580E+01	1.10893E+02
151	6	5.52580E+02	3.03411E+01	3.15085E+01	3.87326E+01	1.93390E+01	5.91429E+00	2.88661E+01	8.06123E+01	1.09858E+02
152	6	5.57580E+02	3.00621E+01	3.12176E+01	3.83770E+01	1.91620E+01	5.85988E+00	2.86010E+01	7.98796E+01	1.08841E+02
153	6	5.62580E+02	2.97878E+01	3.09319E+01	3.80278E+01	1.89882E+01	5.80643E+00	2.83405E+01	7.91596E+01	1.07841E+02
154	6	5.67580E+02	2.95183E+01	3.06511E+01	3.76846E+01	1.88174E+01	5.75391E+00	2.80845E+01	7.84521E+01	1.06859E+02
155	6	5.72580E+02	2.92534E+01	3.03751E+01	3.73473E+01	1.86495E+01	5.70230E+00	2.78330E+01	7.77566E+01	1.05894E+02
156	6	5.77580E+02	2.89930E+01	3.01039E+01	3.70157E+01	1.84845E+01	5.65157E+00	2.75857E+01	7.70728E+01	1.04945E+02

157	6	5.82580E+02	2.87369E+01	2.98373E+01	3.66898E+01	1.83223E+01	5.60170E+00	2.73426E+01	7.64005E+01	1.04012E+02
158	6	5.87580E+02	2.84851E+01	2.95751E+01	3.63693E+01	1.81628E+01	5.55268E+00	2.71036E+01	7.57393E+01	1.03095E+02
159	6	5.92580E+02	2.82374E+01	2.93173E+01	3.60542E+01	1.80059E+01	5.50446E+00	2.68685E+01	7.50890E+01	1.02193E+02
160	6	5.97580E+02	2.79938E+01	2.90638E+01	3.57443E+01	1.78516E+01	5.45705E+00	2.66373E+01	7.44493E+01	1.01305E+02
161	6	6.02580E+02	2.77541E+01	2.88144E+01	3.54394E+01	1.76998E+01	5.41041E+00	2.64099E+01	7.38199E+01	1.00432E+02
162	6	6.07580E+02	2.75182E+01	2.85691E+01	3.51395E+01	1.75504E+01	5.36453E+00	2.61861E+01	7.32007E+01	9.95731E+01
163	6	6.12580E+02	2.72861E+01	2.83277E+01	3.48444E+01	1.74035E+01	5.31940E+00	2.59660E+01	7.25912E+01	9.87278E+01
164	6	6.17580E+02	2.70576E+01	2.80901E+01	3.45540E+01	1.72589E+01	5.27498E+00	2.57493E+01	7.19914E+01	9.78959E+01
165	6	6.22580E+02	2.68327E+01	2.78564E+01	3.42681E+01	1.71166E+01	5.23126E+00	2.55360E+01	7.14009E+01	9.70769E+01
166	6	6.27580E+02	2.66113E+01	2.76262E+01	3.39868E+01	1.69764E+01	5.18824E+00	2.53261E+01	7.08195E+01	9.62708E+01
167	6	6.32580E+02	2.63933E+01	2.73997E+01	3.37098E+01	1.68385E+01	5.14588E+00	2.51195E+01	7.02471E+01	9.54770E+01
168	6	6.37580E+02	2.61786E+01	2.71767E+01	3.34371E+01	1.67027E+01	5.10418E+00	2.49160E+01	6.96834E+01	9.46954E+01
169	6	6.42580E+02	2.59671E+01	2.69571E+01	3.31686E+01	1.65689E+01	5.06312E+00	2.47156E+01	6.91282E+01	9.39256E+01
170	6	6.47580E+02	2.57588E+01	2.67408E+01	3.29041E+01	1.64372E+01	5.02268E+00	2.45182E+01	6.85813E+01	9.31674E+01
171	6	6.52580E+02	2.55536E+01	2.65278E+01	3.26436E+01	1.63074E+01	4.98286E+00	2.43238E+01	6.80426E+01	9.24206E+01
172	6	6.57580E+02	2.53514E+01	2.63180E+01	3.23870E+01	1.61796E+01	4.94363E+00	2.41323E+01	6.75117E+01	9.16847E+01
173	6	6.62580E+02	2.51522E+01	2.61113E+01	3.21342E+01	1.60537E+01	4.90499E+00	2.39437E+01	6.69887E+01	9.09597E+01
174	6	6.67580E+02	2.49559E+01	2.59076E+01	3.18852E+01	1.59296E+01	4.86691E+00	2.37577E+01	6.64732E+01	9.02452E+01
175	6	6.72580E+02	2.47624E+01	2.57069E+01	3.16397E+01	1.58073E+01	4.82939E+00	2.35745E+01	6.59651E+01	8.95411E+01
176	6	6.77580E+02	2.45717E+01	2.55091E+01	3.13978E+01	1.56867E+01	4.79242E+00	2.33940E+01	6.54643E+01	8.88471E+01
177	6	6.82580E+02	2.43836E+01	2.53142E+01	3.11594E+01	1.55679E+01	4.75598E+00	2.32160E+01	6.49705E+01	8.81629E+01
178	6	6.87580E+02	2.41982E+01	2.51221E+01	3.09243E+01	1.54508E+01	4.72006E+00	2.30406E+01	6.44837E+01	8.74883E+01
179	6	6.92580E+02	2.40154E+01	2.49326E+01	3.06926E+01	1.53353E+01	4.68465E+00	2.28676E+01	6.40037E+01	8.68233E+01
180	6	6.97580E+02	2.38351E+01	2.47459E+01	3.04642E+01	1.52215E+01	4.64974E+00	2.26970E+01	6.35303E+01	8.61674E+01
181	6	7.02580E+02	2.36573E+01	2.45617E+01	3.02389E+01	1.51092E+01	4.61532E+00	2.25288E+01	6.30634E+01	8.55207E+01
182	6	7.07580E+02	2.34819E+01	2.43801E+01	3.00168E+01	1.49985E+01	4.58138E+00	2.23630E+01	6.26029E+01	8.48827E+01
183	6	7.12580E+02	2.33089E+01	2.42010E+01	2.97977E+01	1.48892E+01	4.54790E+00	2.21994E+01	6.21486E+01	8.42534E+01
184	6	7.17580E+02	2.31382E+01	2.40244E+01	2.95815E+01	1.47815E+01	4.51488E+00	2.20380E+01	6.17004E+01	8.36326E+01
185	6	7.22580E+02	2.29698E+01	2.38501E+01	2.93683E+01	1.46752E+01	4.48231E+00	2.18788E+01	6.12581E+01	8.30201E+01
186	6	7.27580E+02	2.28036E+01	2.36782E+01	2.91580E+01	1.45704E+01	4.45018E+00	2.17217E+01	6.08218E+01	8.24158E+01
187	6	7.32580E+02	2.26396E+01	2.35086E+01	2.89505E+01	1.44669E+01	4.41848E+00	2.15668E+01	6.03911E+01	8.18194E+01
188	6	7.37580E+02	2.24777E+01	2.33413E+01	2.87457E+01	1.43648E+01	4.38720E+00	2.14138E+01	5.99660E+01	8.12308E+01
189	6	7.42580E+02	2.23180E+01	2.31761E+01	2.85436E+01	1.42640E+01	4.35633E+00	2.12629E+01	5.95464E+01	8.06498E+01
190	6	7.47580E+02	2.21602E+01	2.30132E+01	2.83441E+01	1.41645E+01	4.32587E+00	2.11139E+01	5.91322E+01	8.00764E+01
191	6	7.52580E+02	2.20045E+01	2.28523E+01	2.81473E+01	1.40663E+01	4.29581E+00	2.09669E+01	5.87233E+01	7.95103E+01
192	6	7.57580E+02	2.18508E+01	2.26935E+01	2.79529E+01	1.39694E+01	4.26613E+00	2.08217E+01	5.83196E+01	7.89513E+01
193	6	7.62580E+02	2.16990E+01	2.25368E+01	2.77611E+01	1.38737E+01	4.23684E+00	2.06784E+01	5.79209E+01	7.83994E+01
194	6	7.67580E+02	2.15490E+01	2.23820E+01	2.75716E+01	1.37792E+01	4.20792E+00	2.05369E+01	5.75272E+01	7.78545E+01
195	6	7.72580E+02	2.14010E+01	2.22292E+01	2.73846E+01	1.36859E+01	4.17936E+00	2.03972E+01	5.71383E+01	7.73163E+01
196	6	7.77580E+02	2.12547E+01	2.20783E+01	2.71999E+01	1.35938E+01	4.15116E+00	2.02592E+01	5.67542E+01	7.67847E+01
197	6	7.82580E+02	2.11103E+01	2.19294E+01	2.70175E+01	1.35028E+01	4.12332E+00	2.01229E+01	5.63749E+01	7.62597E+01
198	6	7.87580E+02	2.09676E+01	2.17822E+01	2.68373E+01	1.34129E+01	4.09582E+00	1.99883E+01	5.60001E+01	7.57410E+01
199	6	7.92580E+02	2.08266E+01	2.16369E+01	2.66594E+01	1.33241E+01	4.06866E+00	1.98553E+01	5.56298E+01	7.52286E+01
200	6	7.97580E+02	2.06873E+01	2.14933E+01	2.64836E+01	1.32364E+01	4.04183E+00	1.97240E+01	5.52639E+01	7.47224E+01
201	6	8.02580E+02	2.05497E+01	2.13515E+01	2.63100E+01	1.31497E+01	4.01533E+00	1.95942E+01	5.49024E+01	7.42222E+01
202	6	8.07580E+02	2.04137E+01	2.12114E+01	2.61384E+01	1.30641E+01	3.98915E+00	1.94660E+01	5.45451E+01	7.37279E+01
203	6	8.12580E+02	2.02792E+01	2.10730E+01	2.59689E+01	1.29795E+01	3.96329E+00	1.93393E+01	5.41920E+01	7.32394E+01
204	6	8.17580E+02	2.01464E+01	2.09362E+01	2.58014E+01	1.28959E+01	3.93773E+00	1.92141E+01	5.38430E+01	7.27566E+01
205	6	8.22580E+02	2.00151E+01	2.08011E+01	2.56358E+01	1.28132E+01	3.91247E+00	1.90904E+01	5.34980E+01	7.22794E+01
206	6	8.27580E+02	1.98852E+01	2.06675E+01	2.54722E+01	1.27316E+01	3.88751E+00	1.89681E+01	5.31569E+01	7.18077E+01
207	6	8.32580E+02	1.97569E+01	2.05355E+01	2.53105E+01	1.26508E+01	3.86284E+00	1.88473E+01	5.28197E+01	7.13413E+01
208	6	8.37580E+02	1.96300E+01	2.04051E+01	2.51507E+01	1.25710E+01	3.83846E+00	1.87278E+01	5.24864E+01	7.08802E+01
209	6	8.42580E+02	1.95045E+01	2.02761E+01	2.49926E+01	1.24921E+01	3.81436E+00	1.86097E+01	5.21567E+01	7.04244E+01
210	6	8.47580E+02	1.93805E+01	2.01486E+01	2.48364E+01	1.24141E+01	3.79054E+00	1.84929E+01	5.18307E+01	6.99736E+01
211	6	8.52580E+02	1.92578E+01	2.00226E+01	2.46820E+01	1.23370E+01	3.76699E+00	1.83774E+01	5.15083E+01	6.95279E+01
212	6	8.57580E+02	1.91365E+01	1.98980E+01	2.45293E+01	1.22608E+01	3.74370E+00	1.82633E+01	5.11895E+01	6.90870E+01
213	6	8.62580E+02	1.90165E+01	1.97748E+01	2.43783E+01	1.21853E+01	3.72068E+00	1.81504E+01	5.08741E+01	6.86510E+01
214	6	8.67580E+02	1.88978E+01	1.96530E+01	2.42290E+01	1.21108E+01	3.69791E+00	1.80387E+01	5.05621E+01	6.82197E+01
215	6	8.72580E+02	1.87803E+01	1.95325E+01	2.40813E+01	1.20370E+01	3.67540E+00	1.79283E+01	5.02535E+01	6.77931E+01
216	6	8.77580E+02	1.86642E+01	1.94134E+01	2.39352E+01	1.19640E+01	3.65313E+00	1.78191E+01	4.99481E+01	6.73710E+01

217	6	8.82580E+02	1.85492E+01	1.92955E+01	2.37907E+01	1.18918E+01	3.63111E+00	1.77110E+01	4.96460E+01	6.69534E+01
218	6	8.87580E+02	1.84355E+01	1.91790E+01	2.36478E+01	1.18204E+01	3.60933E+00	1.76041E+01	4.93470E+01	6.65402E+01
219	6	8.92580E+02	1.83230E+01	1.90637E+01	2.35064E+01	1.17498E+01	3.58778E+00	1.74984E+01	4.90512E+01	6.61314E+01
220	6	8.97580E+02	1.82117E+01	1.89496E+01	2.33666E+01	1.16799E+01	3.56647E+00	1.73938E+01	4.87584E+01	6.57268E+01
221	6	9.02580E+02	1.81015E+01	1.88368E+01	2.32282E+01	1.16107E+01	3.54538E+00	1.72903E+01	4.84687E+01	6.53264E+01
222	6	9.07580E+02	1.79924E+01	1.87252E+01	2.30912E+01	1.15423E+01	3.52452E+00	1.71878E+01	4.81818E+01	6.49302E+01
223	6	9.12580E+02	1.78845E+01	1.86147E+01	2.29557E+01	1.14745E+01	3.50388E+00	1.70865E+01	4.78979E+01	6.45379E+01
224	6	9.17580E+02	1.77776E+01	1.85054E+01	2.28216E+01	1.14075E+01	3.48345E+00	1.69861E+01	4.76168E+01	6.41496E+01
225	6	9.22580E+02	1.76718E+01	1.83973E+01	2.26889E+01	1.13412E+01	3.46324E+00	1.68869E+01	4.73385E+01	6.37652E+01
226	6	9.27580E+02	1.75671E+01	1.82902E+01	2.25575E+01	1.12755E+01	3.44323E+00	1.67886E+01	4.70630E+01	6.33846E+01
227	6	9.32580E+02	1.74635E+01	1.81843E+01	2.24275E+01	1.12105E+01	3.42343E+00	1.66913E+01	4.67901E+01	6.30078E+01
228	6	9.37580E+02	1.73608E+01	1.80795E+01	2.22988E+01	1.11461E+01	3.40384E+00	1.65950E+01	4.65199E+01	6.26347E+01
229	6	9.42580E+02	1.72591E+01	1.79757E+01	2.21713E+01	1.10824E+01	3.38444E+00	1.64996E+01	4.62523E+01	6.22652E+01
230	6	9.47580E+02	1.71585E+01	1.78730E+01	2.20452E+01	1.10193E+01	3.36523E+00	1.64052E+01	4.59873E+01	6.18993E+01
231	6	9.52580E+02	1.70588E+01	1.77713E+01	2.19203E+01	1.09568E+01	3.34622E+00	1.63117E+01	4.57248E+01	6.15368E+01
232	6	9.57580E+02	1.69601E+01	1.76706E+01	2.17966E+01	1.08949E+01	3.32740E+00	1.62192E+01	4.54647E+01	6.11778E+01
233	6	9.62580E+02	1.68623E+01	1.75709E+01	2.16741E+01	1.08337E+01	3.30876E+00	1.61275E+01	4.52071E+01	6.08222E+01
234	6	9.67580E+02	1.67654E+01	1.74722E+01	2.15528E+01	1.07730E+01	3.29031E+00	1.60367E+01	4.49518E+01	6.04699E+01
235	6	9.72580E+02	1.66694E+01	1.73744E+01	2.14327E+01	1.07129E+01	3.27203E+00	1.59468E+01	4.46989E+01	6.01208E+01
236	6	9.77580E+02	1.65743E+01	1.72776E+01	2.13137E+01	1.06533E+01	3.25394E+00	1.58577E+01	4.44482E+01	5.97749E+01
237	6	9.82580E+02	1.64801E+01	1.71818E+01	2.11959E+01	1.05943E+01	3.23601E+00	1.57695E+01	4.41998E+01	5.94322E+01
238	6	9.87580E+02	1.63868E+01	1.70868E+01	2.10791E+01	1.05359E+01	3.21826E+00	1.56821E+01	4.39536E+01	5.90925E+01
239	6	9.92580E+02	1.62943E+01	1.69928E+01	2.09634E+01	1.04780E+01	3.20068E+00	1.55955E+01	4.37095E+01	5.87559E+01
240	6	9.97580E+02	1.62026E+01	1.68996E+01	2.08488E+01	1.04206E+01	3.18326E+00	1.55097E+01	4.34675E+01	5.84222E+01
241	6	1.00258E+03	1.61117E+01	1.68074E+01	2.07353E+01	1.03638E+01	3.16600E+00	1.54247E+01	4.32277E+01	5.80914E+01
242	6	1.00758E+03	1.60217E+01	1.67160E+01	2.06227E+01	1.03074E+01	3.14890E+00	1.53404E+01	4.29898E+01	5.77635E+01
243	6	1.01258E+03	1.59324E+01	1.66254E+01	2.05112E+01	1.02516E+01	3.13196E+00	1.52569E+01	4.27540E+01	5.74383E+01
244	6	1.01758E+03	1.58439E+01	1.65356E+01	2.04007E+01	1.01962E+01	3.11517E+00	1.51741E+01	4.25200E+01	5.71159E+01
245	6	1.02258E+03	1.57562E+01	1.64467E+01	2.02912E+01	1.01413E+01	3.09854E+00	1.50921E+01	4.22880E+01	5.67961E+01
246	6	1.02758E+03	1.56691E+01	1.63586E+01	2.01826E+01	1.00869E+01	3.08205E+00	1.50107E+01	4.20579E+01	5.64790E+01
247	6	1.03258E+03	1.55829E+01	1.62712E+01	2.00749E+01	1.00330E+01	3.06571E+00	1.49301E+01	4.18295E+01	5.61644E+01
248	6	1.03758E+03	1.54973E+01	1.61847E+01	1.99682E+01	9.97947E+00	3.04951E+00	1.48501E+01	4.16030E+01	5.58523E+01
249	6	1.04258E+03	1.54125E+01	1.60989E+01	1.98624E+01	9.92642E+00	3.03345E+00	1.47708E+01	4.13781E+01	5.55426E+01
250	6	1.04758E+03	1.53283E+01	1.60138E+01	1.97574E+01	9.87381E+00	3.01753E+00	1.46922E+01	4.11550E+01	5.52354E+01
251	6	1.05258E+03	1.52448E+01	1.59295E+01	1.96533E+01	9.82162E+00	3.00175E+00	1.46142E+01	4.09335E+01	5.49304E+01
252	6	1.05758E+03	1.51619E+01	1.58459E+01	1.95501E+01	9.76984E+00	2.98609E+00	1.45369E+01	4.07135E+01	5.46278E+01
253	6	1.06258E+03	1.50797E+01	1.57630E+01	1.94477E+01	9.71848E+00	2.97057E+00	1.44601E+01	4.04952E+01	5.43273E+01
254	6	1.06758E+03	1.49982E+01	1.56809E+01	1.93461E+01	9.66752E+00	2.95518E+00	1.43840E+01	4.02783E+01	5.40289E+01
255	6	1.07258E+03	1.49172E+01	1.55994E+01	1.92453E+01	9.61694E+00	2.93991E+00	1.43084E+01	4.00629E+01	5.37327E+01
256	6	1.07758E+03	1.48368E+01	1.55185E+01	1.91453E+01	9.56674E+00	2.92477E+00	1.42335E+01	3.98489E+01	5.34384E+01
257	6	1.08258E+03	1.47571E+01	1.54383E+01	1.90460E+01	9.51691E+00	2.90974E+00	1.41591E+01	3.96363E+01	5.31462E+01
258	6	1.08758E+03	1.46778E+01	1.53588E+01	1.89475E+01	9.46744E+00	2.89484E+00	1.40852E+01	3.94250E+01	5.28557E+01

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 TOTAL FLUX - G=GROUP NO. N= 16

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	3.60736E+04	5.88927E+04	4.69013E+04	3.99487E+04	8.36205E+04	9.51878E+04	8.73739E+04	8.04682E+04
2	1	1.00000E+00	3.60773E+04	5.88952E+04	4.69029E+04	3.99512E+04	8.36243E+04	9.51907E+04	8.73712E+04	8.04675E+04
3	1	2.67567E+00	3.60676E+04	5.88778E+04	4.68867E+04	3.99353E+04	8.35889E+04	9.51457E+04	8.73306E+04	8.04324E+04
4	1	5.02700E+00	3.60362E+04	5.88290E+04	4.68421E+04	3.98898E+04	8.34916E+04	9.50255E+04	8.72299E+04	8.03421E+04
5	1	7.37833E+00	3.59840E+04	5.87502E+04	4.67703E+04	3.98162E+04	8.33357E+04	9.48340E+04	8.70712E+04	8.01988E+04
6	1	9.72967E+00	3.59125E+04	5.86426E+04	4.66722E+04	3.97157E+04	8.31236E+04	9.45737E+04	8.68550E+04	8.00037E+04
7	1	1.20810E+01	3.58218E+04	5.85063E+04	4.65476E+04	3.95883E+04	8.28555E+04	9.42447E+04	8.65812E+04	7.97569E+04
8	1	1.44323E+01	3.57118E+04	5.83408E+04	4.63961E+04	3.94336E+04	8.25310E+04	9.38466E+04	8.62495E+04	7.94585E+04
9	1	1.67837E+01	3.55820E+04	5.81455E+04	4.62169E+04	3.92510E+04	8.21498E+04	9.33781E+04	8.58597E+04	7.91083E+04
10	1	1.91350E+01	3.54319E+04	5.79192E+04	4.60090E+04	3.90396E+04	8.17096E+04	9.28385E+04	8.54114E+04	7.87065E+04
11	1	2.14863E+01	3.52605E+04	5.76609E+04	4.57712E+04	3.87984E+04	8.12098E+04	9.22267E+04	8.49048E+04	7.82532E+04
12	1	2.38377E+01	3.50670E+04	5.73694E+04	4.55024E+04	3.85265E+04	8.06495E+04	9.15416E+04	8.43397E+04	7.77486E+04
13	1	2.61890E+01	3.48503E+04	5.70433E+04	4.52010E+04	3.82227E+04	8.00274E+04	9.07821E+04	8.37161E+04	7.71931E+04
14	1	2.85403E+01	3.46094E+04	5.66811E+04	4.48656E+04	3.78855E+04	7.93422E+04	8.99470E+04	8.30338E+04	7.65872E+04
15	1	3.08917E+01	3.43427E+04	5.62810E+04	4.44944E+04	3.75135E+04	7.85926E+04	8.90345E+04	8.22935E+04	7.59313E+04

16	1	3.32430E+01	3.40489E+04	5.58412E+04	4.40849E+04	3.71051E+04	7.77779E+04	8.80433E+04	8.14955E+04	7.52262E+04
17	1	3.55943E+01	3.37262E+04	5.53592E+04	4.36349E+04	3.66583E+04	7.68950E+04	8.69718E+04	8.06404E+04	7.44729E+04
18	1	3.79457E+01	3.33728E+04	5.48327E+04	4.31418E+04	3.61710E+04	7.59430E+04	8.58185E+04	7.97289E+04	7.36726E+04
19	1	4.02970E+01	3.29863E+04	5.42592E+04	4.26029E+04	3.56413E+04	7.49206E+04	8.45819E+04	7.87628E+04	7.28266E+04
20	1	4.26483E+01	3.25644E+04	5.36358E+04	4.20149E+04	3.50665E+04	7.38264E+04	8.32604E+04	7.77437E+04	7.19367E+04
21	1	4.49997E+01	3.21044E+04	5.29592E+04	4.13742E+04	3.44441E+04	7.26590E+04	8.18515E+04	7.66739E+04	7.10051E+04
22	1	4.73510E+01	3.16031E+04	5.22260E+04	4.06764E+04	3.37711E+04	7.14175E+04	8.03537E+04	7.55563E+04	7.00342E+04
23	1	4.97023E+01	3.10569E+04	5.14323E+04	3.99169E+04	3.30442E+04	7.01005E+04	7.87650E+04	7.43952E+04	6.90270E+04
24	1	5.20537E+01	3.04618E+04	5.05737E+04	3.90903E+04	3.22596E+04	6.87081E+04	7.70834E+04	7.31955E+04	6.79870E+04
25	1	5.44050E+01	2.98128E+04	4.96455E+04	3.81907E+04	3.14133E+04	6.72399E+04	7.53068E+04	7.19640E+04	6.69182E+04
26	1	5.67563E+01	2.91043E+04	4.86421E+04	3.72107E+04	3.05004E+04	6.56962E+04	7.34329E+04	7.07094E+04	6.58255E+04
27	1	5.91077E+01	2.83291E+04	4.75575E+04	3.61416E+04	2.95151E+04	6.40785E+04	7.14584E+04	6.94423E+04	6.47152E+04
28	1	6.14590E+01	2.74779E+04	4.63843E+04	3.49724E+04	2.84503E+04	6.23894E+04	6.93798E+04	6.81777E+04	6.35944E+04
29	1	6.38103E+01	2.65384E+04	4.51137E+04	3.36884E+04	2.72963E+04	6.06343E+04	6.71921E+04	6.69358E+04	6.24719E+04
30	1	6.61617E+01	2.54925E+04	4.37349E+04	3.22685E+04	2.60388E+04	5.88225E+04	6.48874E+04	6.57474E+04	6.13607E+04
31	1	6.85130E+01	2.43118E+04	4.22348E+04	3.06776E+04	2.46541E+04	5.69812E+04	6.24516E+04	6.46662E+04	6.02817E+04
32	1	7.08643E+01	2.29459E+04	4.05985E+04	2.88477E+04	2.30972E+04	5.51730E+04	5.98550E+04	6.38348E+04	5.92788E+04
33	1	7.27900E+01	2.16583E+04	3.91605E+04	2.71215E+04	2.16639E+04	5.37889E+04	5.75906E+04	6.35072E+04	5.85536E+04
34	1	7.37900E+01	2.09067E+04	3.83753E+04	2.61083E+04	2.08407E+04	5.31430E+04	5.63486E+04	6.35704E+04	5.82339E+04
0										
35	2	7.43575E+01	1.96365E+04	3.71212E+04	2.48262E+04	1.95039E+04	5.19917E+04	5.46275E+04	6.34561E+04	5.76964E+04
36	2	7.49925E+01	1.76369E+04	3.49854E+04	2.29127E+04	1.74910E+04	4.97976E+04	5.18797E+04	6.27056E+04	5.65654E+04
37	2	7.56275E+01	1.58805E+04	3.28302E+04	2.11773E+04	1.58359E+04	4.73071E+04	4.92288E+04	6.13208E+04	5.50564E+04
38	2	7.62625E+01	1.43104E+04	3.07182E+04	1.95684E+04	1.44121E+04	4.45993E+04	4.66718E+04	5.95225E+04	5.31450E+04
0										
39	3	7.68300E+01	1.35474E+04	2.96688E+04	1.87726E+04	1.37385E+04	4.31495E+04	4.54161E+04	5.85393E+04	5.20425E+04
40	3	7.73300E+01	1.35136E+04	2.96560E+04	1.87416E+04	1.37217E+04	4.30662E+04	4.54204E+04	5.85514E+04	5.19734E+04
41	3	7.78300E+01	1.34865E+04	2.96561E+04	1.87194E+04	1.37101E+04	4.29950E+04	4.54414E+04	5.85736E+04	5.19122E+04
0										
42	4	7.83300E+01	1.29546E+04	2.88545E+04	1.81067E+04	1.32700E+04	4.19006E+04	4.44449E+04	5.77778E+04	5.10041E+04
43	4	7.88300E+01	1.19393E+04	2.71971E+04	1.69129E+04	1.23996E+04	3.99392E+04	4.23275E+04	5.60704E+04	4.94530E+04
44	4	7.93300E+01	1.09729E+04	2.54528E+04	1.57467E+04	1.15362E+04	3.83058E+04	4.00283E+04	5.42025E+04	4.83162E+04
45	4	7.98300E+01	1.00502E+04	2.36260E+04	1.46061E+04	1.06838E+04	3.70398E+04	3.75318E+04	5.22099E+04	4.76598E+04
0										
46	5	8.03300E+01	9.23191E+03	2.19053E+04	1.36355E+04	9.85919E+03	3.60687E+04	3.51531E+04	5.01666E+04	4.72981E+04
47	5	8.10800E+01	8.21631E+03	1.97383E+04	1.24762E+04	8.77601E+03	3.44799E+04	3.21994E+04	4.70825E+04	4.62709E+04
48	5	8.20800E+01	7.01179E+03	1.71623E+04	1.10391E+04	7.52171E+03	3.19789E+04	2.86725E+04	4.29339E+04	4.41019E+04
49	5	8.30800E+01	5.97486E+03	1.49101E+04	9.73135E+03	6.45425E+03	2.91952E+04	2.55117E+04	3.87593E+04	4.11983E+04
50	5	8.40800E+01	5.07474E+03	1.29026E+04	8.53587E+03	5.52268E+03	2.63033E+04	2.25855E+04	3.45788E+04	3.78167E+04
51	5	8.50800E+01	4.28950E+03	1.10939E+04	7.43917E+03	4.69791E+03	2.33789E+04	1.98333E+04	3.04023E+04	3.40831E+04
52	5	8.60800E+01	3.60009E+03	9.44919E+03	6.42688E+03	3.95764E+03	2.04505E+04	1.72165E+04	2.62292E+04	3.00680E+04
53	5	8.70800E+01	2.98844E+03	7.93475E+03	5.48253E+03	3.28167E+03	1.75155E+04	1.46968E+04	2.20426E+04	2.58042E+04
54	5	8.80800E+01	2.43412E+03	6.50867E+03	4.58262E+03	2.64666E+03	1.45315E+04	1.22156E+04	1.77850E+04	2.12672E+04
55	5	8.90800E+01	1.90625E+03	5.10125E+03	3.68533E+03	2.00560E+03	1.13902E+04	9.64846E+03	1.32420E+04	1.63147E+04
56	5	8.98300E+01	1.50536E+03	4.01015E+03	2.98582E+03	1.48188E+03	8.86473E+03	7.57948E+03	9.46635E+03	1.22368E+04
0										
57	6	9.03300E+01	1.35787E+03	3.60514E+03	2.72304E+03	1.27950E+03	7.91098E+03	6.78994E+03	8.01714E+03	1.06881E+04
58	6	9.10800E+01	1.33284E+03	3.53603E+03	2.67157E+03	1.25359E+03	7.74727E+03	6.65423E+03	7.84929E+03	1.04623E+04
59	6	9.25800E+01	1.28809E+03	3.41289E+03	2.57981E+03	1.20771E+03	7.45728E+03	6.41354E+03	7.55300E+03	1.00633E+04
60	6	9.55800E+01	1.21409E+03	3.21047E+03	2.42883E+03	1.13314E+03	6.98552E+03	6.02105E+03	7.07378E+03	9.41755E+03
61	6	1.00236E+02	1.12280E+03	2.96261E+03	2.24373E+03	1.04309E+03	6.41555E+03	5.54528E+03	6.49890E+03	8.64228E+03
62	6	1.05549E+02	1.04102E+03	2.74235E+03	2.07903E+03	9.64240E+02	5.91644E+03	5.12704E+03	5.99909E+03	7.96794E+03
63	6	1.10861E+02	9.75018E+02	2.56573E+03	1.94680E+03	9.01710E+02	5.52097E+03	4.79445E+03	5.60505E+03	7.43633E+03
64	6	1.16174E+02	9.19254E+02	2.41712E+03	1.83546E+03	8.49441E+02	5.19081E+03	4.51605E+03	5.27688E+03	6.99381E+03
65	6	1.21486E+02	8.70903E+02	2.28864E+03	1.73914E+03	8.04434E+02	4.90689E+03	4.27614E+03	4.99501E+03	6.61392E+03
66	6	1.26799E+02	8.28274E+02	2.17560E+03	1.65435E+03	7.64943E+02	4.65810E+03	4.06557E+03	4.74815E+03	6.28140E+03
67	6	1.32111E+02	7.90240E+02	2.07491E+03	1.57879E+03	7.29834E+02	4.43719E+03	3.87831E+03	4.52898E+03	5.98635E+03
68	6	1.37424E+02	7.55994E+02	1.98436E+03	1.51081E+03	6.98307E+02	4.23905E+03	3.71015E+03	4.33239E+03	5.72182E+03
69	6	1.42580E+02	7.25764E+02	1.90452E+03	1.45084E+03	6.70534E+02	4.06469E+03	3.56201E+03	4.15936E+03	5.48911E+03
70	6	1.47580E+02	6.98946E+02	1.83376E+03	1.39766E+03	6.45937E+02	3.91042E+03	3.43081E+03	4.00622E+03	5.28324E+03

71	6	1.52580E+02	6.74222E+02	1.76856E+03	1.34865E+03	6.23289E+02	3.76851E+03	3.31001E+03	3.86531E+03	5.09387E+03
72	6	1.57580E+02	6.51335E+02	1.70825E+03	1.30330E+03	6.02345E+02	3.63741E+03	3.19831E+03	3.73505E+03	4.91890E+03
73	6	1.62580E+02	6.30070E+02	1.65224E+03	1.26117E+03	5.82902E+02	3.51579E+03	3.09462E+03	3.61418E+03	4.75660E+03
74	6	1.67580E+02	6.10248E+02	1.60006E+03	1.22190E+03	5.64790E+02	3.40260E+03	2.99804E+03	3.50162E+03	4.60551E+03
75	6	1.72580E+02	5.91715E+02	1.55129E+03	1.18519E+03	5.47865E+02	3.29692E+03	2.90780E+03	3.39646E+03	4.46441E+03
76	6	1.77580E+02	5.74341E+02	1.50558E+03	1.15078E+03	5.32005E+02	3.19797E+03	2.82325E+03	3.29795E+03	4.33227E+03
77	6	1.82580E+02	5.58015E+02	1.46265E+03	1.11843E+03	5.17107E+02	3.10508E+03	2.74382E+03	3.20542E+03	4.20820E+03
78	6	1.87580E+02	5.42637E+02	1.42222E+03	1.08797E+03	5.03077E+02	3.01767E+03	2.66905E+03	3.11831E+03	4.09143E+03
79	6	1.92580E+02	5.28124E+02	1.38407E+03	1.05922E+03	4.89838E+02	2.93526E+03	2.59850E+03	3.03612E+03	3.98128E+03
80	6	1.97580E+02	5.14400E+02	1.34801E+03	1.03203E+03	4.77321E+02	2.85739E+03	2.53179E+03	2.95841E+03	3.87719E+03
81	6	2.02580E+02	5.01400E+02	1.31385E+03	1.00627E+03	4.65464E+02	2.78368E+03	2.46862E+03	2.88481E+03	3.77862E+03
82	6	2.07580E+02	4.89064E+02	1.28145E+03	9.81826E+02	4.54214E+02	2.71380E+03	2.40869E+03	2.81498E+03	3.68513E+03
83	6	2.12580E+02	4.77342E+02	1.25066E+03	9.58591E+02	4.43522E+02	2.64743E+03	2.35174E+03	2.74863E+03	3.59632E+03
84	6	2.17580E+02	4.66185E+02	1.22136E+03	9.36476E+02	4.33346E+02	2.58430E+03	2.29755E+03	2.68547E+03	3.51181E+03
85	6	2.22580E+02	4.55554E+02	1.19344E+03	9.15397E+02	4.23648E+02	2.52418E+03	2.24591E+03	2.62528E+03	3.43130E+03
86	6	2.27580E+02	4.45409E+02	1.16681E+03	8.95279E+02	4.14393E+02	2.46684E+03	2.19663E+03	2.56784E+03	3.35449E+03
87	6	2.32580E+02	4.35717E+02	1.14137E+03	8.76056E+02	4.05550E+02	2.41209E+03	2.14955E+03	2.51296E+03	3.28112E+03
88	6	2.37580E+02	4.26448E+02	1.11703E+03	8.57668E+02	3.97090E+02	2.35975E+03	2.10452E+03	2.46046E+03	3.21096E+03
89	6	2.42580E+02	4.17573E+02	1.09374E+03	8.40057E+02	3.88989E+02	2.30966E+03	2.06141E+03	2.41019E+03	3.14379E+03
90	6	2.47580E+02	4.09067E+02	1.07141E+03	8.23175E+02	3.81223E+02	2.26168E+03	2.02009E+03	2.36199E+03	3.07941E+03
91	6	2.52580E+02	4.00906E+02	1.05000E+03	8.06975E+02	3.73771E+02	2.21566E+03	1.98044E+03	2.31574E+03	3.01765E+03
92	6	2.57580E+02	3.93069E+02	1.02943E+03	7.91416E+02	3.66613E+02	2.17149E+03	1.94236E+03	2.27132E+03	2.95834E+03
93	6	2.62580E+02	3.85538E+02	1.00967E+03	7.76458E+02	3.59732E+02	2.12906E+03	1.90576E+03	2.22861E+03	2.90134E+03
94	6	2.67580E+02	3.78293E+02	9.90658E+02	7.62066E+02	3.53112E+02	2.08825E+03	1.87055E+03	2.18751E+03	2.84651E+03
95	6	2.72580E+02	3.71318E+02	9.72358E+02	7.48208E+02	3.46736E+02	2.04898E+03	1.83665E+03	2.14794E+03	2.79372E+03
96	6	2.77580E+02	3.64599E+02	9.54728E+02	7.34854E+02	3.40592E+02	2.01117E+03	1.80398E+03	2.10980E+03	2.74286E+03
97	6	2.82580E+02	3.58120E+02	9.37731E+02	7.21975E+02	3.34667E+02	1.97472E+03	1.77248E+03	2.07302E+03	2.69383E+03
98	6	2.87580E+02	3.51869E+02	9.21332E+02	7.09547E+02	3.28949E+02	1.93956E+03	1.74209E+03	2.03752E+03	2.64651E+03
99	6	2.92580E+02	3.45835E+02	9.05501E+02	6.97544E+02	3.23426E+02	1.90563E+03	1.71274E+03	2.00323E+03	2.60082E+03
100	6	2.97580E+02	3.40004E+02	8.90206E+02	6.85945E+02	3.18089E+02	1.87286E+03	1.68438E+03	1.97009E+03	2.55668E+03
101	6	3.02580E+02	3.34368E+02	8.75420E+02	6.74730E+02	3.12928E+02	1.84119E+03	1.65695E+03	1.93804E+03	2.51400E+03
102	6	3.07580E+02	3.28916E+02	8.61118E+02	6.63878E+02	3.07934E+02	1.81056E+03	1.63042E+03	1.90703E+03	2.47272E+03
103	6	3.12580E+02	3.23639E+02	8.47276E+02	6.53373E+02	3.03099E+02	1.78093E+03	1.60474E+03	1.87700E+03	2.43275E+03
104	6	3.17580E+02	3.18529E+02	8.33872E+02	6.43197E+02	2.98415E+02	1.75224E+03	1.57987E+03	1.84792E+03	2.39405E+03
105	6	3.22580E+02	3.13577E+02	8.20884E+02	6.33334E+02	2.93876E+02	1.72445E+03	1.55576E+03	1.81972E+03	2.35654E+03
106	6	3.27580E+02	3.08777E+02	8.08294E+02	6.23770E+02	2.89473E+02	1.69752E+03	1.53239E+03	1.79237E+03	2.32017E+03
107	6	3.32580E+02	3.04121E+02	7.96082E+02	6.14492E+02	2.85202E+02	1.67141E+03	1.50971E+03	1.76584E+03	2.28489E+03
108	6	3.37580E+02	2.99603E+02	7.84232E+02	6.05485E+02	2.81055E+02	1.64607E+03	1.48770E+03	1.74008E+03	2.25065E+03
109	6	3.42580E+02	2.95216E+02	7.72727E+02	5.96739E+02	2.77028E+02	1.62148E+03	1.46633E+03	1.71506E+03	2.21741E+03
110	6	3.47580E+02	2.90956E+02	7.61552E+02	5.88242E+02	2.73116E+02	1.59760E+03	1.44556E+03	1.69075E+03	2.18511E+03
111	6	3.52580E+02	2.86816E+02	7.50693E+02	5.79982E+02	2.69312E+02	1.57441E+03	1.42538E+03	1.66711E+03	2.15372E+03
112	6	3.57580E+02	2.82791E+02	7.40137E+02	5.71950E+02	2.65613E+02	1.55186E+03	1.40576E+03	1.64412E+03	2.12320E+03
113	6	3.62580E+02	2.78876E+02	7.29870E+02	5.64137E+02	2.62015E+02	1.52994E+03	1.38667E+03	1.62176E+03	2.09352E+03
114	6	3.67580E+02	2.75067E+02	7.19881E+02	5.56532E+02	2.58512E+02	1.50861E+03	1.36809E+03	1.59998E+03	2.06463E+03
115	6	3.72580E+02	2.71360E+02	7.10158E+02	5.49129E+02	2.55102E+02	1.48786E+03	1.35000E+03	1.57878E+03	2.03650E+03
116	6	3.77580E+02	2.67750E+02	7.00691E+02	5.41918E+02	2.51780E+02	1.46766E+03	1.33239E+03	1.55813E+03	2.00912E+03
117	6	3.82580E+02	2.64234E+02	6.91470E+02	5.34892E+02	2.48543E+02	1.44799E+03	1.31522E+03	1.53801E+03	1.98243E+03
118	6	3.87580E+02	2.60807E+02	6.82484E+02	5.28044E+02	2.45388E+02	1.42883E+03	1.29850E+03	1.51839E+03	1.95643E+03
119	6	3.92580E+02	2.57467E+02	6.73724E+02	5.21367E+02	2.42311E+02	1.41016E+03	1.28219E+03	1.49925E+03	1.93107E+03
120	6	3.97580E+02	2.54210E+02	6.65183E+02	5.14855E+02	2.39309E+02	1.39195E+03	1.26628E+03	1.48059E+03	1.90635E+03
121	6	4.02580E+02	2.51033E+02	6.56852E+02	5.08500E+02	2.36381E+02	1.37420E+03	1.25076E+03	1.46237E+03	1.88222E+03
122	6	4.07580E+02	2.47934E+02	6.48723E+02	5.02298E+02	2.33522E+02	1.35688E+03	1.23561E+03	1.44459E+03	1.85868E+03
123	6	4.12580E+02	2.44908E+02	6.40788E+02	4.96243E+02	2.30731E+02	1.33998E+03	1.22082E+03	1.42722E+03	1.83570E+03
124	6	4.17580E+02	2.41954E+02	6.33041E+02	4.90330E+02	2.28005E+02	1.32348E+03	1.20638E+03	1.41026E+03	1.81325E+03
125	6	4.22580E+02	2.39069E+02	6.25475E+02	4.84553E+02	2.25342E+02	1.30737E+03	1.19227E+03	1.39369E+03	1.79133E+03
126	6	4.27580E+02	2.36250E+02	6.18083E+02	4.78908E+02	2.22739E+02	1.29164E+03	1.17849E+03	1.37749E+03	1.76991E+03
127	6	4.32580E+02	2.33496E+02	6.10860E+02	4.73390E+02	2.20195E+02	1.27627E+03	1.16501E+03	1.36165E+03	1.74897E+03
128	6	4.37580E+02	2.30803E+02	6.03799E+02	4.67995E+02	2.17706E+02	1.26125E+03	1.15184E+03	1.34616E+03	1.72850E+03
129	6	4.42580E+02	2.28170E+02	5.96895E+02	4.62718E+02	2.15273E+02	1.24656E+03	1.13895E+03	1.33101E+03	1.70848E+03
130	6	4.47580E+02	2.25596E+02	5.90144E+02	4.57556E+02	2.12892E+02	1.23221E+03	1.12635E+03	1.31619E+03	1.68890E+03

131	6	4.52580E+02	2.23077E+02	5.83538E+02	4.52505E+02	2.10562E+02	1.21816E+03	1.11401E+03	1.30168E+03	1.66974E+03
132	6	4.57580E+02	2.20612E+02	5.77075E+02	4.47561E+02	2.08281E+02	1.20443E+03	1.10194E+03	1.28748E+03	1.65099E+03
133	6	4.62580E+02	2.18200E+02	5.70749E+02	4.42721E+02	2.06048E+02	1.19099E+03	1.09012E+03	1.27357E+03	1.63263E+03
134	6	4.67580E+02	2.15838E+02	5.64556E+02	4.37981E+02	2.03861E+02	1.17783E+03	1.07854E+03	1.25994E+03	1.61466E+03
135	6	4.72580E+02	2.13525E+02	5.58491E+02	4.33338E+02	2.01718E+02	1.16495E+03	1.06721E+03	1.24660E+03	1.59705E+03
136	6	4.77580E+02	2.11260E+02	5.52551E+02	4.28789E+02	1.99619E+02	1.15234E+03	1.05610E+03	1.23352E+03	1.57981E+03
137	6	4.82580E+02	2.09041E+02	5.46731E+02	4.24332E+02	1.97562E+02	1.13998E+03	1.04522E+03	1.22070E+03	1.56291E+03
138	6	4.87580E+02	2.06866E+02	5.41029E+02	4.19963E+02	1.95545E+02	1.12788E+03	1.03455E+03	1.20813E+03	1.54634E+03
139	6	4.92580E+02	2.04735E+02	5.35440E+02	4.15680E+02	1.93568E+02	1.11602E+03	1.02409E+03	1.19580E+03	1.53011E+03
140	6	4.97580E+02	2.02645E+02	5.29961E+02	4.11480E+02	1.91629E+02	1.10440E+03	1.01384E+03	1.18371E+03	1.51419E+03
141	6	5.02580E+02	2.00596E+02	5.24588E+02	4.07360E+02	1.89727E+02	1.09300E+03	1.00378E+03	1.17185E+03	1.49857E+03
142	6	5.07580E+02	1.98587E+02	5.19319E+02	4.03319E+02	1.87861E+02	1.08183E+03	9.93909E+02	1.16022E+03	1.48326E+03
143	6	5.12580E+02	1.96616E+02	5.14150E+02	3.99354E+02	1.86030E+02	1.07087E+03	9.84227E+02	1.14880E+03	1.46823E+03
144	6	5.17580E+02	1.94682E+02	5.09079E+02	3.95463E+02	1.84233E+02	1.06013E+03	9.74726E+02	1.13759E+03	1.45349E+03
145	6	5.22580E+02	1.92784E+02	5.04103E+02	3.91643E+02	1.82469E+02	1.04958E+03	9.65399E+02	1.12658E+03	1.43901E+03
146	6	5.27580E+02	1.90921E+02	4.99219E+02	3.87894E+02	1.80736E+02	1.03924E+03	9.56242E+02	1.11577E+03	1.42481E+03
147	6	5.32580E+02	1.89093E+02	4.94424E+02	3.84212E+02	1.79035E+02	1.02908E+03	9.47251E+02	1.10516E+03	1.41086E+03
148	6	5.37580E+02	1.87297E+02	4.89716E+02	3.80595E+02	1.77365E+02	1.01912E+03	9.38420E+02	1.09473E+03	1.39716E+03
149	6	5.42580E+02	1.85534E+02	4.85093E+02	3.77043E+02	1.75723E+02	1.00933E+03	9.29745E+02	1.08448E+03	1.38370E+03
150	6	5.47580E+02	1.83802E+02	4.80552E+02	3.73553E+02	1.74111E+02	9.99719E+02	9.21222E+02	1.07441E+03	1.37048E+03
151	6	5.52580E+02	1.82101E+02	4.76091E+02	3.70124E+02	1.72526E+02	9.90281E+02	9.12847E+02	1.06452E+03	1.35749E+03
152	6	5.57580E+02	1.80429E+02	4.71708E+02	3.66753E+02	1.70968E+02	9.81009E+02	9.04616E+02	1.05479E+03	1.34473E+03
153	6	5.62580E+02	1.78787E+02	4.67400E+02	3.63440E+02	1.69437E+02	9.71900E+02	8.96525E+02	1.04522E+03	1.33218E+03
154	6	5.67580E+02	1.77172E+02	4.63166E+02	3.60183E+02	1.67931E+02	9.62949E+02	8.88570E+02	1.03582E+03	1.31985E+03
155	6	5.72580E+02	1.75585E+02	4.59005E+02	3.56981E+02	1.66450E+02	9.54152E+02	8.80748E+02	1.02656E+03	1.30772E+03
156	6	5.77580E+02	1.74024E+02	4.54913E+02	3.53831E+02	1.64994E+02	9.45506E+02	8.73055E+02	1.01746E+03	1.29579E+03
157	6	5.82580E+02	1.72490E+02	4.50889E+02	3.50733E+02	1.63561E+02	9.37005E+02	8.65488E+02	1.00851E+03	1.28406E+03
158	6	5.87580E+02	1.70980E+02	4.46932E+02	3.47686E+02	1.62152E+02	9.28647E+02	8.58044E+02	9.99696E+02	1.27253E+03
159	6	5.92580E+02	1.69496E+02	4.43039E+02	3.44688E+02	1.60765E+02	9.20427E+02	8.50720E+02	9.91024E+02	1.26117E+03
160	6	5.97580E+02	1.68035E+02	4.39210E+02	3.41737E+02	1.59401E+02	9.12343E+02	8.43512E+02	9.82488E+02	1.25001E+03
161	6	6.02580E+02	1.66598E+02	4.35442E+02	3.38833E+02	1.58057E+02	9.04391E+02	8.36418E+02	9.74085E+02	1.23901E+03
162	6	6.07580E+02	1.65184E+02	4.31734E+02	3.35975E+02	1.56735E+02	8.96567E+02	8.29435E+02	9.65811E+02	1.22819E+03
163	6	6.12580E+02	1.63792E+02	4.28085E+02	3.33161E+02	1.55433E+02	8.88869E+02	8.22560E+02	9.57664E+02	1.21754E+03
164	6	6.17580E+02	1.62422E+02	4.24493E+02	3.30391E+02	1.54151E+02	8.81293E+02	8.15791E+02	9.49639E+02	1.20706E+03
165	6	6.22580E+02	1.61074E+02	4.20957E+02	3.27662E+02	1.52889E+02	8.73836E+02	8.09124E+02	9.41735E+02	1.19673E+03
166	6	6.27580E+02	1.59746E+02	4.17475E+02	3.24976E+02	1.51645E+02	8.66497E+02	8.02558E+02	9.33948E+02	1.18657E+03
167	6	6.32580E+02	1.58438E+02	4.14047E+02	3.22329E+02	1.50420E+02	8.59271E+02	7.96091E+02	9.26276E+02	1.17655E+03
168	6	6.37580E+02	1.57150E+02	4.10670E+02	3.19722E+02	1.49213E+02	8.52156E+02	7.89719E+02	9.18715E+02	1.16669E+03
169	6	6.42580E+02	1.55881E+02	4.07344E+02	3.17153E+02	1.48024E+02	8.45150E+02	7.83441E+02	9.11264E+02	1.15697E+03
170	6	6.47580E+02	1.54631E+02	4.04067E+02	3.14622E+02	1.46852E+02	8.38249E+02	7.77255E+02	9.03919E+02	1.14739E+03
171	6	6.52580E+02	1.53400E+02	4.00839E+02	3.12128E+02	1.45698E+02	8.31453E+02	7.71157E+02	8.96679E+02	1.13795E+03
172	6	6.57580E+02	1.52187E+02	3.97658E+02	3.09670E+02	1.44559E+02	8.24757E+02	7.65147E+02	8.89541E+02	1.12865E+03
173	6	6.62580E+02	1.50991E+02	3.94523E+02	3.07247E+02	1.43437E+02	8.18161E+02	7.59223E+02	8.82502E+02	1.11948E+03
174	6	6.67580E+02	1.49812E+02	3.91433E+02	3.04858E+02	1.42330E+02	8.11661E+02	7.53381E+02	8.75560E+02	1.11045E+03
175	6	6.72580E+02	1.48650E+02	3.88388E+02	3.02502E+02	1.41239E+02	8.05255E+02	7.47622E+02	8.68714E+02	1.10154E+03
176	6	6.77580E+02	1.47505E+02	3.85386E+02	3.00180E+02	1.40163E+02	7.98942E+02	7.41942E+02	8.61960E+02	1.09275E+03
177	6	6.82580E+02	1.46376E+02	3.82425E+02	2.97889E+02	1.39102E+02	7.92719E+02	7.36339E+02	8.55298E+02	1.08409E+03
178	6	6.87580E+02	1.45263E+02	3.79507E+02	2.95630E+02	1.38055E+02	7.86585E+02	7.30814E+02	8.48724E+02	1.07554E+03
179	6	6.92580E+02	1.44165E+02	3.76628E+02	2.93402E+02	1.37023E+02	7.80537E+02	7.25362E+02	8.42237E+02	1.06711E+03
180	6	6.97580E+02	1.43082E+02	3.73789E+02	2.91203E+02	1.36004E+02	7.74574E+02	7.19984E+02	8.35836E+02	1.05880E+03
181	6	7.02580E+02	1.42013E+02	3.70989E+02	2.89035E+02	1.34999E+02	7.68693E+02	7.14677E+02	8.29518E+02	1.05060E+03
182	6	7.07580E+02	1.40959E+02	3.68227E+02	2.86894E+02	1.34007E+02	7.62894E+02	7.09440E+02	8.23281E+02	1.04250E+03
183	6	7.12580E+02	1.39920E+02	3.65502E+02	2.84783E+02	1.33028E+02	7.57173E+02	7.04272E+02	8.17124E+02	1.03451E+03
184	6	7.17580E+02	1.38894E+02	3.62813E+02	2.82698E+02	1.32061E+02	7.51531E+02	6.99170E+02	8.11045E+02	1.02663E+03
185	6	7.22580E+02	1.37881E+02	3.60159E+02	2.80641E+02	1.31108E+02	7.45964E+02	6.94134E+02	8.05043E+02	1.01885E+03
186	6	7.27580E+02	1.36882E+02	3.57540E+02	2.78610E+02	1.30166E+02	7.40472E+02	6.89162E+02	7.99115E+02	1.01117E+03
187	6	7.32580E+02	1.35896E+02	3.54956E+02	2.76605E+02	1.29236E+02	7.35053E+02	6.84253E+02	7.93261E+02	1.00359E+03
188	6	7.37580E+02	1.34923E+02	3.52404E+02	2.74626E+02	1.28318E+02	7.29705E+02	6.79405E+02	7.87479E+02	9.96104E+02
189	6	7.42580E+02	1.33962E+02	3.49886E+02	2.72671E+02	1.27411E+02	7.24427E+02	6.74618E+02	7.81766E+02	9.88713E+02
190	6	7.47580E+02	1.33013E+02	3.47399E+02	2.70741E+02	1.26516E+02	7.19217E+02	6.69890E+02	7.76123E+02	9.81414E+02

191	6	7.52580E+02	1.32076E+02	3.44944E+02	2.68835E+02	1.25631E+02	7.14075E+02	6.65219E+02	7.70547E+02	9.74206E+02
192	6	7.57580E+02	1.31151E+02	3.42520E+02	2.66952E+02	1.24758E+02	7.08998E+02	6.60606E+02	7.65037E+02	9.67086E+02
193	6	7.62580E+02	1.30238E+02	3.40126E+02	2.65092E+02	1.23895E+02	7.03986E+02	6.56048E+02	7.59592E+02	9.60053E+02
194	6	7.67580E+02	1.29335E+02	3.37761E+02	2.63254E+02	1.23042E+02	6.99038E+02	6.51544E+02	7.54211E+02	9.53105E+02
195	6	7.72580E+02	1.28444E+02	3.35425E+02	2.61439E+02	1.22199E+02	6.94151E+02	6.47093E+02	7.48891E+02	9.46241E+02
196	6	7.77580E+02	1.27564E+02	3.33118E+02	2.59645E+02	1.21367E+02	6.89325E+02	6.42695E+02	7.43632E+02	9.39458E+02
197	6	7.82580E+02	1.26694E+02	3.30838E+02	2.57873E+02	1.20544E+02	6.84558E+02	6.38349E+02	7.38434E+02	9.32756E+02
198	6	7.87580E+02	1.25834E+02	3.28586E+02	2.56121E+02	1.19730E+02	6.79850E+02	6.34052E+02	7.33293E+02	9.26133E+02
199	6	7.92580E+02	1.24985E+02	3.26361E+02	2.54390E+02	1.18927E+02	6.75199E+02	6.29805E+02	7.28211E+02	9.19586E+02
200	6	7.97580E+02	1.24146E+02	3.24162E+02	2.52679E+02	1.18132E+02	6.70605E+02	6.25606E+02	7.23184E+02	9.13115E+02
201	6	8.02580E+02	1.23316E+02	3.21988E+02	2.50988E+02	1.17346E+02	6.66065E+02	6.21454E+02	7.18212E+02	9.06719E+02
202	6	8.07580E+02	1.22497E+02	3.19840E+02	2.49315E+02	1.16569E+02	6.61580E+02	6.17349E+02	7.13295E+02	9.00395E+02
203	6	8.12580E+02	1.21686E+02	3.17717E+02	2.47662E+02	1.15801E+02	6.57148E+02	6.13290E+02	7.08430E+02	8.94143E+02
204	6	8.17580E+02	1.20885E+02	3.15618E+02	2.46027E+02	1.15042E+02	6.52767E+02	6.09275E+02	7.03618E+02	8.87961E+02
205	6	8.22580E+02	1.20093E+02	3.13543E+02	2.44411E+02	1.14290E+02	6.48438E+02	6.05304E+02	6.98856E+02	8.81848E+02
206	6	8.27580E+02	1.19310E+02	3.11492E+02	2.42812E+02	1.13547E+02	6.44159E+02	6.01376E+02	6.94145E+02	8.75802E+02
207	6	8.32580E+02	1.18536E+02	3.09463E+02	2.41231E+02	1.12813E+02	6.39930E+02	5.97491E+02	6.89482E+02	8.69822E+02
208	6	8.37580E+02	1.17770E+02	3.07457E+02	2.39667E+02	1.12086E+02	6.35748E+02	5.93647E+02	6.84867E+02	8.63907E+02
209	6	8.42580E+02	1.17013E+02	3.05474E+02	2.38120E+02	1.11366E+02	6.31614E+02	5.89843E+02	6.80300E+02	8.58056E+02
210	6	8.47580E+02	1.16264E+02	3.03512E+02	2.36590E+02	1.10655E+02	6.27527E+02	5.86079E+02	6.75779E+02	8.52267E+02
211	6	8.52580E+02	1.15523E+02	3.01571E+02	2.35076E+02	1.09951E+02	6.23486E+02	5.82355E+02	6.71303E+02	8.46541E+02
212	6	8.57580E+02	1.14790E+02	2.99652E+02	2.33578E+02	1.09254E+02	6.19489E+02	5.78669E+02	6.66872E+02	8.40874E+02
213	6	8.62580E+02	1.14065E+02	2.97752E+02	2.32096E+02	1.08564E+02	6.15536E+02	5.75020E+02	6.62484E+02	8.35266E+02
214	6	8.67580E+02	1.13348E+02	2.95874E+02	2.30629E+02	1.07882E+02	6.11627E+02	5.71408E+02	6.58139E+02	8.29716E+02
215	6	8.72580E+02	1.12638E+02	2.94015E+02	2.29177E+02	1.07206E+02	6.07760E+02	5.67833E+02	6.53836E+02	8.24224E+02
216	6	8.77580E+02	1.11936E+02	2.92175E+02	2.27740E+02	1.06537E+02	6.03935E+02	5.64293E+02	6.49574E+02	8.18787E+02
217	6	8.82580E+02	1.11241E+02	2.90355E+02	2.26318E+02	1.05875E+02	6.00150E+02	5.60788E+02	6.45352E+02	8.13405E+02
218	6	8.87580E+02	1.10553E+02	2.88553E+02	2.24910E+02	1.05220E+02	5.96407E+02	5.57317E+02	6.41170E+02	8.08078E+02
219	6	8.92580E+02	1.09872E+02	2.86770E+02	2.23516E+02	1.04571E+02	5.92702E+02	5.53880E+02	6.37027E+02	8.02803E+02
220	6	8.97580E+02	1.09198E+02	2.85005E+02	2.22136E+02	1.03928E+02	5.89037E+02	5.50476E+02	6.32921E+02	7.97579E+02
221	6	9.02580E+02	1.08531E+02	2.83258E+02	2.20770E+02	1.03292E+02	5.85410E+02	5.47104E+02	6.28853E+02	7.92407E+02
222	6	9.07580E+02	1.07870E+02	2.81529E+02	2.19417E+02	1.02661E+02	5.81820E+02	5.43764E+02	6.24821E+02	7.87285E+02
223	6	9.12580E+02	1.07216E+02	2.79816E+02	2.18077E+02	1.02037E+02	5.78267E+02	5.40455E+02	6.20825E+02	7.82212E+02
224	6	9.17580E+02	1.06569E+02	2.78121E+02	2.16750E+02	1.01418E+02	5.74750E+02	5.37177E+02	6.16864E+02	7.77187E+02
225	6	9.22580E+02	1.05928E+02	2.76442E+02	2.15436E+02	1.00805E+02	5.71268E+02	5.33928E+02	6.12936E+02	7.72209E+02
226	6	9.27580E+02	1.05292E+02	2.74779E+02	2.14134E+02	1.00198E+02	5.67822E+02	5.30709E+02	6.09043E+02	7.67278E+02
227	6	9.32580E+02	1.04663E+02	2.73132E+02	2.12844E+02	9.95967E+01	5.64410E+02	5.27518E+02	6.05182E+02	7.62392E+02
228	6	9.37580E+02	1.04040E+02	2.71501E+02	2.11566E+02	9.90005E+01	5.61031E+02	5.24355E+02	6.01353E+02	7.57551E+02
229	6	9.42580E+02	1.03423E+02	2.69885E+02	2.10300E+02	9.84097E+01	5.57686E+02	5.21220E+02	5.97556E+02	7.52753E+02
230	6	9.47580E+02	1.02812E+02	2.68284E+02	2.09046E+02	9.78241E+01	5.54373E+02	5.18112E+02	5.93789E+02	7.47998E+02
231	6	9.52580E+02	1.02206E+02	2.66698E+02	2.07802E+02	9.72436E+01	5.51092E+02	5.15031E+02	5.90052E+02	7.43285E+02
232	6	9.57580E+02	1.01606E+02	2.65127E+02	2.06570E+02	9.66681E+01	5.47842E+02	5.11975E+02	5.86344E+02	7.38613E+02
233	6	9.62580E+02	1.01011E+02	2.63570E+02	2.05349E+02	9.60976E+01	5.44622E+02	5.08945E+02	5.82665E+02	7.33982E+02
234	6	9.67580E+02	1.00421E+02	2.62026E+02	2.04138E+02	9.55318E+01	5.41433E+02	5.05940E+02	5.79014E+02	7.29390E+02
235	6	9.72580E+02	9.98366E+01	2.60497E+02	2.02938E+02	9.49707E+01	5.38274E+02	5.02958E+02	5.75389E+02	7.24836E+02
236	6	9.77580E+02	9.92574E+01	2.58981E+02	2.01748E+02	9.44143E+01	5.35143E+02	5.00001E+02	5.71791E+02	7.20320E+02
237	6	9.82580E+02	9.86831E+01	2.57478E+02	2.00568E+02	9.38624E+01	5.32041E+02	4.97066E+02	5.68218E+02	7.15842E+02
238	6	9.87580E+02	9.81137E+01	2.55988E+02	1.99399E+02	9.33148E+01	5.28967E+02	4.94154E+02	5.64671E+02	7.11399E+02
239	6	9.92580E+02	9.75492E+01	2.54511E+02	1.98238E+02	9.27716E+01	5.25920E+02	4.91264E+02	5.61147E+02	7.06992E+02
240	6	9.97580E+02	9.69894E+01	2.53046E+02	1.97087E+02	9.22325E+01	5.22900E+02	4.88395E+02	5.57647E+02	7.02619E+02
241	6	1.00258E+03	9.64341E+01	2.51593E+02	1.95946E+02	9.16976E+01	5.19906E+02	4.85547E+02	5.54169E+02	6.98279E+02
242	6	1.00758E+03	9.58834E+01	2.50152E+02	1.94813E+02	9.11666E+01	5.16938E+02	4.82720E+02	5.50713E+02	6.93973E+02
243	6	1.01258E+03	9.53370E+01	2.48723E+02	1.93689E+02	9.06396E+01	5.13996E+02	4.79911E+02	5.47279E+02	6.89698E+02
244	6	1.01758E+03	9.47950E+01	2.47305E+02	1.92574E+02	9.01163E+01	5.11077E+02	4.77123E+02	5.43864E+02	6.85455E+02
245	6	1.02258E+03	9.42571E+01	2.45898E+02	1.91467E+02	8.95967E+01	5.08184E+02	4.74352E+02	5.40469E+02	6.81241E+02
246	6	1.02758E+03	9.37234E+01	2.44502E+02	1.90368E+02	8.90806E+01	5.05313E+02	4.71599E+02	5.37092E+02	6.77057E+02
247	6	1.03258E+03	9.31936E+01	2.43116E+02	1.89278E+02	8.85680E+01	5.02466E+02	4.68864E+02	5.33733E+02	6.72901E+02
248	6	1.03758E+03	9.26677E+01	2.41741E+02	1.88195E+02	8.80587E+01	4.99641E+02	4.66145E+02	5.30390E+02	6.68773E+02
249	6	1.04258E+03	9.21455E+01	2.40375E+02	1.87120E+02	8.75527E+01	4.96838E+02	4.63442E+02	5.27064E+02	6.64671E+02
250	6	1.04758E+03	9.16271E+01	2.39019E+02	1.86052E+02	8.70498E+01	4.94057E+02	4.60754E+02	5.23752E+02	6.60594E+02

251	6	1.05258E+03	9.11122E+01	2.37673E+02	1.84991E+02	8.65498E+01	4.91296E+02	4.58080E+02	5.20454E+02	6.56543E+02
252	6	1.05758E+03	9.06007E+01	2.36335E+02	1.83937E+02	8.60527E+01	4.88555E+02	4.55421E+02	5.17168E+02	6.52514E+02
253	6	1.06258E+03	9.00926E+01	2.35007E+02	1.82890E+02	8.55584E+01	4.85835E+02	4.52774E+02	5.13895E+02	6.48508E+02
254	6	1.06758E+03	8.95876E+01	2.33687E+02	1.81849E+02	8.50667E+01	4.83133E+02	4.50140E+02	5.10631E+02	6.44524E+02
255	6	1.07258E+03	8.90857E+01	2.32375E+02	1.80814E+02	8.45775E+01	4.80450E+02	4.47517E+02	5.07378E+02	6.40560E+02
256	6	1.07758E+03	8.85868E+01	2.31071E+02	1.79786E+02	8.40906E+01	4.77784E+02	4.44905E+02	5.04132E+02	6.36615E+02
257	6	1.08258E+03	8.80908E+01	2.29774E+02	1.78763E+02	8.36059E+01	4.75136E+02	4.42302E+02	5.00893E+02	6.32688E+02
258	6	1.08758E+03	8.75974E+01	2.28485E+02	1.77745E+02	8.31232E+01	4.72504E+02	4.39709E+02	4.97659E+02	6.28778E+02

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 TOTAL FLUX - G=GROUP NO. N= 24

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	2.16815E+05	1.82387E+05	1.58861E+05	1.21678E+05	6.42252E+04	4.74513E+04	1.65088E+04	2.15486E+04
2	1	1.00000E+00	2.16814E+05	1.82383E+05	1.58856E+05	1.21674E+05	6.42228E+04	4.74494E+04	1.65081E+04	2.15476E+04
3	1	2.67567E+00	2.16700E+05	1.82287E+05	1.58772E+05	1.21608E+05	6.41861E+04	4.74205E+04	1.64983E+04	2.15350E+04
4	1	5.02700E+00	2.16409E+05	1.82045E+05	1.58560E+05	1.21445E+05	6.40937E+04	4.73477E+04	1.64738E+04	2.15036E+04
5	1	7.37833E+00	2.15945E+05	1.81662E+05	1.58223E+05	1.21187E+05	6.39473E+04	4.72322E+04	1.64351E+04	2.14538E+04
6	1	9.72967E+00	2.15313E+05	1.81140E+05	1.57765E+05	1.20834E+05	6.37473E+04	4.70745E+04	1.63824E+04	2.13860E+04
7	1	1.20810E+01	2.14513E+05	1.80478E+05	1.57185E+05	1.20387E+05	6.34936E+04	4.68743E+04	1.63156E+04	2.13001E+04
8	1	1.44323E+01	2.13542E+05	1.79679E+05	1.56483E+05	1.19847E+05	6.31861E+04	4.66315E+04	1.62349E+04	2.11965E+04
9	1	1.67837E+01	2.12401E+05	1.78741E+05	1.55660E+05	1.19213E+05	6.28244E+04	4.63458E+04	1.61405E+04	2.10752E+04
10	1	1.91350E+01	2.11086E+05	1.77665E+05	1.54716E+05	1.18487E+05	6.24084E+04	4.60168E+04	1.60326E+04	2.09365E+04
11	1	2.14863E+01	2.09598E+05	1.76450E+05	1.53652E+05	1.17668E+05	6.19378E+04	4.56443E+04	1.59112E+04	2.07808E+04
12	1	2.38377E+01	2.07933E+05	1.75099E+05	1.52467E+05	1.16756E+05	6.14123E+04	4.52281E+04	1.57769E+04	2.06085E+04
13	1	2.61890E+01	2.06090E+05	1.73613E+05	1.51166E+05	1.15755E+05	6.08315E+04	4.47676E+04	1.56300E+04	2.04200E+04
14	1	2.85403E+01	2.04068E+05	1.71992E+05	1.49747E+05	1.14665E+05	6.01950E+04	4.42625E+04	1.54711E+04	2.02162E+04
15	1	3.08917E+01	2.01863E+05	1.70239E+05	1.48213E+05	1.13485E+05	5.95021E+04	4.37122E+04	1.53009E+04	1.99976E+04
16	1	3.32430E+01	1.99473E+05	1.68354E+05	1.46564E+05	1.12218E+05	5.87522E+04	4.31163E+04	1.51202E+04	1.97652E+04
17	1	3.55943E+01	1.96894E+05	1.66339E+05	1.44800E+05	1.10865E+05	5.79441E+04	4.24740E+04	1.49301E+04	1.95201E+04
18	1	3.79457E+01	1.94124E+05	1.64200E+05	1.42929E+05	1.09428E+05	5.70771E+04	4.17847E+04	1.47321E+04	1.92634E+04
19	1	4.02970E+01	1.91159E+05	1.61939E+05	1.40950E+05	1.07908E+05	5.61496E+04	4.10476E+04	1.45279E+04	1.89967E+04
20	1	4.26483E+01	1.87995E+05	1.59561E+05	1.38864E+05	1.06308E+05	5.51597E+04	4.02615E+04	1.43198E+04	1.87217E+04
21	1	4.49997E+01	1.84625E+05	1.57068E+05	1.36673E+05	1.04627E+05	5.41049E+04	3.94256E+04	1.41106E+04	1.84406E+04
22	1	4.73510E+01	1.81045E+05	1.54462E+05	1.34377E+05	1.02868E+05	5.29822E+04	3.85387E+04	1.39041E+04	1.81558E+04
23	1	4.97023E+01	1.77246E+05	1.51761E+05	1.31986E+05	1.01035E+05	5.17891E+04	3.75995E+04	1.37049E+04	1.78696E+04
24	1	5.20537E+01	1.73223E+05	1.48967E+05	1.29500E+05	9.91285E+04	5.05210E+04	3.66067E+04	1.35191E+04	1.75854E+04
25	1	5.44050E+01	1.68964E+05	1.46091E+05	1.26921E+05	9.71515E+04	4.91722E+04	3.55589E+04	1.33549E+04	1.73069E+04
26	1	5.67563E+01	1.64458E+05	1.43142E+05	1.24249E+05	9.51052E+04	4.77356E+04	3.44545E+04	1.32231E+04	1.70382E+04
27	1	5.91077E+01	1.59688E+05	1.40132E+05	1.21483E+05	9.29923E+04	4.62019E+04	3.32918E+04	1.31382E+04	1.67840E+04
28	1	6.14590E+01	1.54631E+05	1.37088E+05	1.18635E+05	9.08150E+04	4.45611E+04	3.20695E+04	1.31198E+04	1.65494E+04
29	1	6.38103E+01	1.49265E+05	1.34031E+05	1.15702E+05	8.85762E+04	4.27972E+04	3.07856E+04	1.31978E+04	1.63402E+04
30	1	6.61617E+01	1.43542E+05	1.30995E+05	1.12682E+05	8.62782E+04	4.08864E+04	2.94380E+04	1.34214E+04	1.61632E+04
31	1	6.85130E+01	1.37378E+05	1.28042E+05	1.09573E+05	8.39225E+04	3.87867E+04	2.80225E+04	1.38933E+04	1.60276E+04
32	1	7.08643E+01	1.30591E+05	1.25313E+05	1.06362E+05	8.15092E+04	3.63992E+04	2.65314E+04	1.49089E+04	1.59414E+04
33	1	7.27900E+01	1.24413E+05	1.23393E+05	1.03654E+05	7.94887E+04	3.41339E+04	2.52522E+04	1.64976E+04	1.59010E+04
34	1	7.37900E+01	1.20875E+05	1.22599E+05	1.02213E+05	7.84222E+04	3.27821E+04	2.45629E+04	1.78129E+04	1.58861E+04
0										
35	2	7.43575E+01	1.15639E+05	1.21055E+05	9.94181E+04	7.66600E+04	3.01656E+04	2.12636E+04	1.87027E+04	1.58476E+04
36	2	7.49925E+01	1.07717E+05	1.17759E+05	9.45427E+04	7.37346E+04	2.64029E+04	1.65085E+04	1.88762E+04	1.56444E+04
37	2	7.56275E+01	1.00905E+05	1.13596E+05	8.95524E+04	7.09728E+04	2.36822E+04	1.37741E+04	1.79279E+04	1.51945E+04
38	2	7.62625E+01	9.49429E+04	1.08730E+05	8.41651E+04	6.85848E+04	2.14622E+04	1.20260E+04	1.63005E+04	1.45631E+04
0										
39	3	7.68300E+01	9.21685E+04	1.06078E+05	8.12815E+04	6.75554E+04	2.04427E+04	1.13813E+04	1.52719E+04	1.42113E+04
40	3	7.73300E+01	9.21869E+04	1.06021E+05	8.12043E+04	6.76223E+04	2.04364E+04	1.13831E+04	1.51566E+04	1.42100E+04
41	3	7.78300E+01	9.22277E+04	1.05981E+05	8.11401E+04	6.76979E+04	2.04337E+04	1.13854E+04	1.50489E+04	1.42119E+04
0										
42	4	7.83300E+01	8.98311E+04	1.03709E+05	7.88220E+04	6.64538E+04	1.97183E+04	1.10863E+04	1.36559E+04	1.34955E+04
43	4	7.88300E+01	8.47100E+04	9.93842E+04	7.47213E+04	6.32089E+04	1.82792E+04	1.04178E+04	1.19474E+04	1.21574E+04
44	4	7.93300E+01	7.90834E+04	9.54377E+04	7.15055E+04	5.87321E+04	1.68262E+04	9.66340E+03	1.19143E+04	1.10365E+04
45	4	7.98300E+01	7.29015E+04	9.19861E+04	6.92137E+04	5.29175E+04	1.53563E+04	8.85113E+03	1.45110E+04	9.50567E+03
0										

46	5	8.03300E+01	6.72589E+04	8.92565E+04	6.77371E+04	4.76158E+04	1.38934E+04	7.74264E+03	1.71358E+04	8.34326E+03
47	5	8.10800E+01	6.08004E+04	8.52109E+04	6.53322E+04	4.24183E+04	1.20423E+04	6.29357E+03	1.78876E+04	7.96262E+03
48	5	8.20800E+01	5.32462E+04	7.89897E+04	6.12339E+04	3.66118E+04	1.00343E+04	5.03609E+03	1.82676E+04	7.47928E+03
49	5	8.30800E+01	4.66171E+04	7.20851E+04	5.63616E+04	3.16947E+04	8.43047E+03	4.18535E+03	1.79888E+04	7.01270E+03
50	5	8.40800E+01	4.05809E+04	6.47860E+04	5.09619E+04	2.72929E+04	7.08725E+03	3.50824E+03	1.72738E+04	6.54888E+03
51	5	8.50800E+01	3.49854E+04	5.72145E+04	4.51317E+04	2.32624E+04	5.92226E+03	2.92526E+03	1.62611E+04	6.07992E+03
52	5	8.60800E+01	2.97294E+04	4.94370E+04	3.89295E+04	1.95125E+04	4.87781E+03	2.40516E+03	1.50412E+04	5.60122E+03
53	5	8.70800E+01	2.47230E+04	4.14786E+04	3.24097E+04	1.59750E+04	3.91090E+03	1.92409E+03	1.36748E+04	5.10959E+03
54	5	8.80800E+01	1.98544E+04	3.32861E+04	2.55925E+04	1.25777E+04	2.98700E+03	1.45152E+03	1.22037E+04	4.60192E+03
55	5	8.90800E+01	1.48769E+04	2.45493E+04	1.82542E+04	9.16012E+03	2.05098E+03	9.34902E+02	1.06602E+04	4.07412E+03
56	5	8.98300E+01	1.08762E+04	1.73846E+04	1.21357E+04	6.44129E+03	1.27322E+03	4.49277E+02	9.47546E+03	3.66474E+03
0										
57	6	9.03300E+01	9.37139E+03	1.46795E+04	9.79962E+03	5.42860E+03	9.70212E+02	2.32999E+02	9.00454E+03	3.50205E+03
58	6	9.10800E+01	9.18698E+03	1.43731E+04	9.59761E+03	5.32222E+03	9.52255E+02	2.29049E+02	8.79927E+03	3.43680E+03
59	6	9.25800E+01	8.86062E+03	1.38322E+04	9.24131E+03	5.13402E+03	9.20614E+02	2.22106E+02	8.43667E+03	3.32019E+03
60	6	9.55800E+01	8.33031E+03	1.29568E+04	8.66579E+03	4.82839E+03	8.69578E+02	2.10957E+02	7.85016E+03	3.12757E+03
61	6	1.00236E+02	7.69015E+03	1.19061E+04	7.97639E+03	4.45965E+03	8.08496E+02	1.97680E+02	7.14781E+03	2.89047E+03
62	6	1.05549E+02	7.12959E+03	1.09920E+04	7.37773E+03	4.13687E+03	7.55429E+02	1.86199E+02	6.54002E+03	2.67881E+03
63	6	1.10861E+02	6.68486E+03	1.02709E+04	6.90596E+03	3.88078E+03	7.13507E+02	1.77150E+02	6.06430E+03	2.50869E+03
64	6	1.16174E+02	6.31285E+03	9.67021E+03	6.51296E+03	3.66650E+03	6.78459E+02	1.69584E+02	5.67100E+03	2.36549E+03
65	6	1.21486E+02	5.99224E+03	9.15413E+03	6.17521E+03	3.48175E+03	6.48218E+02	1.63049E+02	5.33543E+03	2.24168E+03
66	6	1.26799E+02	5.71067E+03	8.70207E+03	5.87920E+03	3.31944E+03	6.21604E+02	1.57287E+02	5.04324E+03	2.13277E+03
67	6	1.32111E+02	5.46010E+03	8.30066E+03	5.61620E+03	3.17494E+03	5.97857E+02	1.52136E+02	4.78515E+03	2.03578E+03
68	6	1.37424E+02	5.23487E+03	7.94054E+03	5.38009E+03	3.04500E+03	5.76450E+02	1.47481E+02	4.55467E+03	1.94856E+03
69	6	1.42580E+02	5.03626E+03	7.62354E+03	5.17210E+03	2.93037E+03	5.57515E+02	1.43354E+02	4.35259E+03	1.87164E+03
70	6	1.47580E+02	4.86017E+03	7.34295E+03	4.98787E+03	2.82870E+03	5.40676E+02	1.39675E+02	4.17434E+03	1.80346E+03
71	6	1.52580E+02	4.69789E+03	7.08471E+03	4.81819E+03	2.73497E+03	5.25107E+02	1.36265E+02	4.01081E+03	1.74063E+03
72	6	1.57580E+02	4.54766E+03	6.84599E+03	4.66123E+03	2.64816E+03	5.10650E+02	1.33091E+02	3.86007E+03	1.68248E+03
73	6	1.62580E+02	4.40805E+03	6.62443E+03	4.51545E+03	2.56747E+03	4.97172E+02	1.30124E+02	3.72054E+03	1.62847E+03
74	6	1.67580E+02	4.27787E+03	6.41808E+03	4.37958E+03	2.49219E+03	4.84562E+02	1.27341E+02	3.59091E+03	1.57811E+03
75	6	1.72580E+02	4.15610E+03	6.22530E+03	4.25254E+03	2.42175E+03	4.72729E+02	1.24723E+02	3.47008E+03	1.53104E+03
76	6	1.77580E+02	4.04188E+03	6.04467E+03	4.13343E+03	2.35565E+03	4.61593E+02	1.22253E+02	3.35711E+03	1.48690E+03
77	6	1.82580E+02	3.93446E+03	5.87499E+03	4.02146E+03	2.29347E+03	4.51086E+02	1.19916E+02	3.25122E+03	1.44541E+03
78	6	1.87580E+02	3.83321E+03	5.71523E+03	3.91596E+03	2.23483E+03	4.41150E+02	1.17700E+02	3.15171E+03	1.40632E+03
79	6	1.92580E+02	3.73756E+03	5.56447E+03	3.81633E+03	2.17942E+03	4.31734E+02	1.15594E+02	3.05799E+03	1.36942E+03
80	6	1.97580E+02	3.64704E+03	5.42193E+03	3.72206E+03	2.12696E+03	4.22792E+02	1.13589E+02	2.96955E+03	1.33451E+03
81	6	2.02580E+02	3.56120E+03	5.28690E+03	3.63270E+03	2.07720E+03	4.14285E+02	1.11677E+02	2.88592E+03	1.30143E+03
82	6	2.07580E+02	3.47967E+03	5.15878E+03	3.54784E+03	2.02992E+03	4.06180E+02	1.09849E+02	2.80671E+03	1.27003E+03
83	6	2.12580E+02	3.40211E+03	5.03702E+03	3.46714E+03	1.98493E+03	3.98443E+02	1.08101E+02	2.73155E+03	1.24017E+03
84	6	2.17580E+02	3.32821E+03	4.92112E+03	3.39027E+03	1.94204E+03	3.91048E+02	1.06425E+02	2.66014E+03	1.21174E+03
85	6	2.22580E+02	3.25771E+03	4.81065E+03	3.31695E+03	1.90111E+03	3.83971E+02	1.04816E+02	2.59219E+03	1.18464E+03
86	6	2.27580E+02	3.19036E+03	4.70522E+03	3.24692E+03	1.86200E+03	3.77188E+02	1.03270E+02	2.52744E+03	1.15876E+03
87	6	2.32580E+02	3.12594E+03	4.60448E+03	3.17995E+03	1.82458E+03	3.70679E+02	1.01783E+02	2.46567E+03	1.13403E+03
88	6	2.37580E+02	3.06426E+03	4.50809E+03	3.11584E+03	1.78874E+03	3.64427E+02	1.00351E+02	2.40666E+03	1.11036E+03
89	6	2.42580E+02	3.00513E+03	4.41578E+03	3.05439E+03	1.75436E+03	3.58414E+02	9.89692E+01	2.35024E+03	1.08768E+03
90	6	2.47580E+02	2.94838E+03	4.32728E+03	2.99544E+03	1.72136E+03	3.52625E+02	9.76358E+01	2.29623E+03	1.06593E+03
91	6	2.52580E+02	2.89387E+03	4.24234E+03	2.93882E+03	1.68966E+03	3.47048E+02	9.63474E+01	2.24448E+03	1.04506E+03
92	6	2.57580E+02	2.84146E+03	4.16074E+03	2.88439E+03	1.65916E+03	3.41668E+02	9.51013E+01	2.19485E+03	1.02500E+03
93	6	2.62580E+02	2.79103E+03	4.08230E+03	2.83202E+03	1.62980E+03	3.36474E+02	9.38952E+01	2.14720E+03	1.00572E+03
94	6	2.67580E+02	2.74245E+03	4.00680E+03	2.78159E+03	1.60152E+03	3.31457E+02	9.27266E+01	2.10141E+03	9.87154E+02
95	6	2.72580E+02	2.69563E+03	3.93410E+03	2.73299E+03	1.57424E+03	3.26605E+02	9.15937E+01	2.05739E+03	9.69272E+02
96	6	2.77580E+02	2.65046E+03	3.86402E+03	2.68611E+03	1.54792E+03	3.21910E+02	9.04944E+01	2.01502E+03	9.52034E+02
97	6	2.82580E+02	2.60685E+03	3.79643E+03	2.64086E+03	1.52250E+03	3.17364E+02	8.94270E+01	1.97421E+03	9.35404E+02
98	6	2.87580E+02	2.56472E+03	3.73119E+03	2.59716E+03	1.49794E+03	3.12958E+02	8.83897E+01	1.93489E+03	9.19349E+02
99	6	2.92580E+02	2.52399E+03	3.66817E+03	2.55491E+03	1.47419E+03	3.08685E+02	8.73812E+01	1.89696E+03	9.03840E+02
100	6	2.97580E+02	2.48459E+03	3.60725E+03	2.51405E+03	1.45120E+03	3.04540E+02	8.63999E+01	1.86035E+03	8.88846E+02
101	6	3.02580E+02	2.44645E+03	3.54834E+03	2.47450E+03	1.42894E+03	3.00514E+02	8.54445E+01	1.82500E+03	8.74344E+02
102	6	3.07580E+02	2.40951E+03	3.49133E+03	2.43620E+03	1.40737E+03	2.96603E+02	8.45138E+01	1.79084E+03	8.60307E+02
103	6	3.12580E+02	2.37370E+03	3.43612E+03	2.39908E+03	1.38646E+03	2.92802E+02	8.36066E+01	1.75782E+03	8.46713E+02
104	6	3.17580E+02	2.33899E+03	3.38263E+03	2.36310E+03	1.36618E+03	2.89104E+02	8.27219E+01	1.72587E+03	8.33540E+02

105	6	3.22580E+02	2.30530E+03	3.33077E+03	2.32819E+03	1.34649E+03	2.85506E+02	8.18586E+01	1.69494E+03	8.20769E+02
106	6	3.27580E+02	2.27260E+03	3.28048E+03	2.29431E+03	1.32738E+03	2.82002E+02	8.10158E+01	1.66499E+03	8.08381E+02
107	6	3.32580E+02	2.24084E+03	3.23167E+03	2.26141E+03	1.30880E+03	2.78589E+02	8.01926E+01	1.63597E+03	7.96358E+02
108	6	3.37580E+02	2.20998E+03	3.18428E+03	2.22944E+03	1.29075E+03	2.75263E+02	7.93881E+01	1.60784E+03	7.84684E+02
109	6	3.42580E+02	2.17997E+03	3.13825E+03	2.19836E+03	1.27319E+03	2.72019E+02	7.86016E+01	1.58055E+03	7.73343E+02
110	6	3.47580E+02	2.15079E+03	3.09352E+03	2.16814E+03	1.25611E+03	2.68855E+02	7.78323E+01	1.55408E+03	7.62321E+02
111	6	3.52580E+02	2.12239E+03	3.05002E+03	2.13874E+03	1.23948E+03	2.65767E+02	7.70795E+01	1.52837E+03	7.51604E+02
112	6	3.57580E+02	2.09475E+03	3.00772E+03	2.11013E+03	1.22329E+03	2.62752E+02	7.63425E+01	1.50341E+03	7.41179E+02
113	6	3.62580E+02	2.06782E+03	2.96656E+03	2.08226E+03	1.20752E+03	2.59807E+02	7.56208E+01	1.47916E+03	7.31034E+02
114	6	3.67580E+02	2.04159E+03	2.92648E+03	2.05512E+03	1.19214E+03	2.56930E+02	7.49137E+01	1.45559E+03	7.21158E+02
115	6	3.72580E+02	2.01603E+03	2.88746E+03	2.02866E+03	1.17715E+03	2.54117E+02	7.42206E+01	1.43267E+03	7.11539E+02
116	6	3.77580E+02	1.99110E+03	2.84944E+03	2.00287E+03	1.16253E+03	2.51367E+02	7.35411E+01	1.41037E+03	7.02168E+02
117	6	3.82580E+02	1.96678E+03	2.81238E+03	1.97772E+03	1.14827E+03	2.48676E+02	7.28745E+01	1.38868E+03	6.93034E+02
118	6	3.87580E+02	1.94305E+03	2.77625E+03	1.95318E+03	1.13434E+03	2.46043E+02	7.22206E+01	1.36756E+03	6.84129E+02
119	6	3.92580E+02	1.91989E+03	2.74102E+03	1.92923E+03	1.12074E+03	2.43465E+02	7.15787E+01	1.34699E+03	6.75443E+02
120	6	3.97580E+02	1.89727E+03	2.70664E+03	1.90584E+03	1.10746E+03	2.40941E+02	7.09485E+01	1.32696E+03	6.66968E+02
121	6	4.02580E+02	1.87518E+03	2.67309E+03	1.88300E+03	1.09449E+03	2.38468E+02	7.03296E+01	1.30744E+03	6.58697E+02
122	6	4.07580E+02	1.85360E+03	2.64033E+03	1.86069E+03	1.08180E+03	2.36045E+02	6.97215E+01	1.28841E+03	6.50622E+02
123	6	4.12580E+02	1.83250E+03	2.60834E+03	1.83889E+03	1.06940E+03	2.33670E+02	6.91239E+01	1.26986E+03	6.42736E+02
124	6	4.17580E+02	1.81187E+03	2.57709E+03	1.81757E+03	1.05727E+03	2.31342E+02	6.85364E+01	1.25176E+03	6.35032E+02
125	6	4.22580E+02	1.79170E+03	2.54656E+03	1.79673E+03	1.04541E+03	2.29058E+02	6.79587E+01	1.23410E+03	6.27503E+02
126	6	4.27580E+02	1.77196E+03	2.51670E+03	1.77634E+03	1.03379E+03	2.26817E+02	6.73905E+01	1.21687E+03	6.20144E+02
127	6	4.32580E+02	1.75265E+03	2.48752E+03	1.75639E+03	1.02243E+03	2.24619E+02	6.68314E+01	1.20005E+03	6.12949E+02
128	6	4.37580E+02	1.73374E+03	2.45897E+03	1.73687E+03	1.01130E+03	2.22460E+02	6.62812E+01	1.18363E+03	6.05911E+02
129	6	4.42580E+02	1.71523E+03	2.43104E+03	1.71776E+03	1.00039E+03	2.20341E+02	6.57396E+01	1.16758E+03	5.99026E+02
130	6	4.47580E+02	1.69710E+03	2.40372E+03	1.69904E+03	9.89713E+02	2.18260E+02	6.52063E+01	1.15191E+03	5.92289E+02
131	6	4.52580E+02	1.67934E+03	2.37697E+03	1.68071E+03	9.79246E+02	2.16215E+02	6.46810E+01	1.13659E+03	5.85695E+02
132	6	4.57580E+02	1.66193E+03	2.35078E+03	1.66274E+03	9.68986E+02	2.14206E+02	6.41636E+01	1.12162E+03	5.79239E+02
133	6	4.62580E+02	1.64488E+03	2.32513E+03	1.64514E+03	9.58926E+02	2.12232E+02	6.36537E+01	1.10698E+03	5.72916E+02
134	6	4.67580E+02	1.62815E+03	2.30000E+03	1.62789E+03	9.49061E+02	2.10290E+02	6.31512E+01	1.09266E+03	5.66723E+02
135	6	4.72580E+02	1.61175E+03	2.27538E+03	1.61097E+03	9.39384E+02	2.08382E+02	6.26557E+01	1.07866E+03	5.60655E+02
136	6	4.77580E+02	1.59567E+03	2.25126E+03	1.59438E+03	9.29890E+02	2.06504E+02	6.21672E+01	1.06496E+03	5.54709E+02
137	6	4.82580E+02	1.57989E+03	2.22761E+03	1.57810E+03	9.20571E+02	2.04657E+02	6.16854E+01	1.05155E+03	5.48880E+02
138	6	4.87580E+02	1.56440E+03	2.20442E+03	1.56213E+03	9.11425E+02	2.02840E+02	6.12102E+01	1.03842E+03	5.43165E+02
139	6	4.92580E+02	1.54920E+03	2.18168E+03	1.54646E+03	9.02444E+02	2.01051E+02	6.07412E+01	1.02557E+03	5.37561E+02
140	6	4.97580E+02	1.53428E+03	2.15937E+03	1.53108E+03	8.93625E+02	1.99290E+02	6.02784E+01	1.01298E+03	5.32064E+02
141	6	5.02580E+02	1.51963E+03	2.13749E+03	1.51598E+03	8.84962E+02	1.97557E+02	5.98216E+01	1.00066E+03	5.26672E+02
142	6	5.07580E+02	1.50523E+03	2.11601E+03	1.50115E+03	8.76451E+02	1.95850E+02	5.93706E+01	9.88582E+02	5.21380E+02
143	6	5.12580E+02	1.49110E+03	2.09493E+03	1.48658E+03	8.68088E+02	1.94168E+02	5.89252E+01	9.76749E+02	5.16187E+02
144	6	5.17580E+02	1.47721E+03	2.07424E+03	1.47227E+03	8.59868E+02	1.92511E+02	5.84854E+01	9.65152E+02	5.11089E+02
145	6	5.22580E+02	1.46356E+03	2.05392E+03	1.45821E+03	8.51787E+02	1.90879E+02	5.80509E+01	9.53785E+02	5.06084E+02
146	6	5.27580E+02	1.45014E+03	2.03397E+03	1.44440E+03	8.43842E+02	1.89270E+02	5.76216E+01	9.42640E+02	5.01169E+02
147	6	5.32580E+02	1.43695E+03	2.01437E+03	1.43081E+03	8.36029E+02	1.87684E+02	5.71974E+01	9.31711E+02	4.96342E+02
148	6	5.37580E+02	1.42398E+03	1.99511E+03	1.41746E+03	8.28344E+02	1.86120E+02	5.67781E+01	9.20993E+02	4.91599E+02
149	6	5.42580E+02	1.41123E+03	1.97618E+03	1.40433E+03	8.20783E+02	1.84578E+02	5.63637E+01	9.10478E+02	4.86940E+02
150	6	5.47580E+02	1.39868E+03	1.95759E+03	1.39142E+03	8.13344E+02	1.83058E+02	5.59539E+01	9.00162E+02	4.82361E+02
151	6	5.52580E+02	1.38634E+03	1.93931E+03	1.37872E+03	8.06023E+02	1.81558E+02	5.55487E+01	8.90040E+02	4.77860E+02
152	6	5.57580E+02	1.37420E+03	1.92133E+03	1.36622E+03	7.98816E+02	1.80078E+02	5.51479E+01	8.80105E+02	4.73436E+02
153	6	5.62580E+02	1.36224E+03	1.90366E+03	1.35392E+03	7.91722E+02	1.78617E+02	5.47515E+01	8.70353E+02	4.69086E+02
154	6	5.67580E+02	1.35048E+03	1.88628E+03	1.34182E+03	7.84736E+02	1.77176E+02	5.43593E+01	8.60778E+02	4.64808E+02
155	6	5.72580E+02	1.33890E+03	1.86918E+03	1.32991E+03	7.77857E+02	1.75753E+02	5.39713E+01	8.51378E+02	4.60601E+02
156	6	5.77580E+02	1.32749E+03	1.85236E+03	1.31818E+03	7.71081E+02	1.74349E+02	5.35872E+01	8.42145E+02	4.56462E+02
157	6	5.82580E+02	1.31626E+03	1.83581E+03	1.30664E+03	7.64406E+02	1.72962E+02	5.32071E+01	8.33077E+02	4.52391E+02
158	6	5.87580E+02	1.30520E+03	1.81952E+03	1.29526E+03	7.57829E+02	1.71592E+02	5.28308E+01	8.24168E+02	4.48385E+02
159	6	5.92580E+02	1.29430E+03	1.80349E+03	1.28406E+03	7.51348E+02	1.70240E+02	5.24583E+01	8.15416E+02	4.44442E+02
160	6	5.97580E+02	1.28357E+03	1.78771E+03	1.27303E+03	7.44961E+02	1.68903E+02	5.20894E+01	8.06815E+02	4.40561E+02
161	6	6.02580E+02	1.27299E+03	1.77218E+03	1.26216E+03	7.38664E+02	1.67583E+02	5.17240E+01	7.98363E+02	4.36741E+02
162	6	6.07580E+02	1.26256E+03	1.75688E+03	1.25145E+03	7.32457E+02	1.66279E+02	5.13622E+01	7.90055E+02	4.32980E+02
163	6	6.12580E+02	1.25229E+03	1.74181E+03	1.24089E+03	7.26337E+02	1.64990E+02	5.10037E+01	7.81888E+02	4.29277E+02
164	6	6.17580E+02	1.24215E+03	1.72697E+03	1.23049E+03	7.20301E+02	1.63715E+02	5.06486E+01	7.73858E+02	4.25629E+02

165	6	6.22580E+02	1.23217E+03	1.71235E+03	1.22023E+03	7.14348E+02	1.62456E+02	5.02967E+01	7.65962E+02	4.22037E+02
166	6	6.27580E+02	1.22232E+03	1.69794E+03	1.21011E+03	7.08476E+02	1.61210E+02	4.99479E+01	7.58197E+02	4.18498E+02
167	6	6.32580E+02	1.21260E+03	1.68375E+03	1.20014E+03	7.02683E+02	1.59979E+02	4.96022E+01	7.50560E+02	4.15012E+02
168	6	6.37580E+02	1.20302E+03	1.66976E+03	1.19031E+03	6.96966E+02	1.58761E+02	4.92596E+01	7.43047E+02	4.11577E+02
169	6	6.42580E+02	1.19357E+03	1.65597E+03	1.18060E+03	6.91325E+02	1.57557E+02	4.89199E+01	7.35656E+02	4.08191E+02
170	6	6.47580E+02	1.18424E+03	1.64238E+03	1.17104E+03	6.85758E+02	1.56365E+02	4.85831E+01	7.28383E+02	4.04854E+02
171	6	6.52580E+02	1.17504E+03	1.62898E+03	1.16159E+03	6.80262E+02	1.55186E+02	4.82491E+01	7.21227E+02	4.01566E+02
172	6	6.57580E+02	1.16596E+03	1.61577E+03	1.15228E+03	6.74836E+02	1.54020E+02	4.79179E+01	7.14183E+02	3.98323E+02
173	6	6.62580E+02	1.15699E+03	1.60274E+03	1.14308E+03	6.69479E+02	1.52866E+02	4.75894E+01	7.07251E+02	3.95126E+02
174	6	6.67580E+02	1.14814E+03	1.58989E+03	1.13401E+03	6.64190E+02	1.51724E+02	4.72634E+01	7.00426E+02	3.91974E+02
175	6	6.72580E+02	1.13941E+03	1.57722E+03	1.12505E+03	6.58965E+02	1.50593E+02	4.69401E+01	6.93708E+02	3.88865E+02
176	6	6.77580E+02	1.13078E+03	1.56471E+03	1.11621E+03	6.53805E+02	1.49474E+02	4.66193E+01	6.87093E+02	3.85799E+02
177	6	6.82580E+02	1.12227E+03	1.55237E+03	1.10748E+03	6.48708E+02	1.48366E+02	4.63010E+01	6.80579E+02	3.82775E+02
178	6	6.87580E+02	1.11385E+03	1.54020E+03	1.09886E+03	6.43672E+02	1.47268E+02	4.59850E+01	6.74164E+02	3.79791E+02
179	6	6.92580E+02	1.10555E+03	1.52819E+03	1.09034E+03	6.38696E+02	1.46182E+02	4.56714E+01	6.67845E+02	3.76847E+02
180	6	6.97580E+02	1.09734E+03	1.51633E+03	1.08194E+03	6.33779E+02	1.45106E+02	4.53601E+01	6.61621E+02	3.73942E+02
181	6	7.02580E+02	1.08923E+03	1.50462E+03	1.07363E+03	6.28919E+02	1.44040E+02	4.50511E+01	6.55489E+02	3.71075E+02
182	6	7.07580E+02	1.08122E+03	1.49307E+03	1.06542E+03	6.24115E+02	1.42984E+02	4.47443E+01	6.49448E+02	3.68246E+02
183	6	7.12580E+02	1.07330E+03	1.48166E+03	1.05732E+03	6.19367E+02	1.41937E+02	4.44396E+01	6.43496E+02	3.65453E+02
184	6	7.17580E+02	1.06548E+03	1.47040E+03	1.04930E+03	6.14672E+02	1.40901E+02	4.41370E+01	6.37630E+02	3.62696E+02
185	6	7.22580E+02	1.05774E+03	1.45928E+03	1.04139E+03	6.10031E+02	1.39873E+02	4.38365E+01	6.31849E+02	3.59974E+02
186	6	7.27580E+02	1.05010E+03	1.44829E+03	1.03356E+03	6.05440E+02	1.38855E+02	4.35380E+01	6.26152E+02	3.57286E+02
187	6	7.32580E+02	1.04254E+03	1.43744E+03	1.02583E+03	6.00901E+02	1.37846E+02	4.32415E+01	6.20535E+02	3.54632E+02
188	6	7.37580E+02	1.03507E+03	1.42672E+03	1.01818E+03	5.96411E+02	1.36846E+02	4.29469E+01	6.14999E+02	3.52011E+02
189	6	7.42580E+02	1.02768E+03	1.41613E+03	1.01062E+03	5.91969E+02	1.35854E+02	4.26542E+01	6.09540E+02	3.49423E+02
190	6	7.47580E+02	1.02037E+03	1.40567E+03	1.00314E+03	5.87575E+02	1.34870E+02	4.23633E+01	6.04158E+02	3.46865E+02
191	6	7.52580E+02	1.01314E+03	1.39533E+03	9.95751E+02	5.83227E+02	1.33895E+02	4.20742E+01	5.98850E+02	3.44339E+02
192	6	7.57580E+02	1.00599E+03	1.38511E+03	9.88440E+02	5.78925E+02	1.32928E+02	4.17869E+01	5.93617E+02	3.41843E+02
193	6	7.62580E+02	9.98921E+02	1.37502E+03	9.81208E+02	5.74668E+02	1.31969E+02	4.15013E+01	5.88455E+02	3.39377E+02
194	6	7.67580E+02	9.91924E+02	1.36503E+03	9.74055E+02	5.70454E+02	1.31018E+02	4.12174E+01	5.83363E+02	3.36940E+02
195	6	7.72580E+02	9.85001E+02	1.35517E+03	9.66979E+02	5.66283E+02	1.30074E+02	4.09351E+01	5.78341E+02	3.34531E+02
196	6	7.77580E+02	9.78150E+02	1.34541E+03	9.59977E+02	5.62154E+02	1.29137E+02	4.06545E+01	5.73387E+02	3.32151E+02
197	6	7.82580E+02	9.71370E+02	1.33577E+03	9.53049E+02	5.58066E+02	1.28208E+02	4.03754E+01	5.68498E+02	3.29798E+02
198	6	7.87580E+02	9.64660E+02	1.32623E+03	9.46193E+02	5.54018E+02	1.27286E+02	4.00978E+01	5.63676E+02	3.27471E+02
199	6	7.92580E+02	9.58018E+02	1.31680E+03	9.39407E+02	5.50010E+02	1.26371E+02	3.98218E+01	5.58917E+02	3.25171E+02
200	6	7.97580E+02	9.51442E+02	1.30747E+03	9.32691E+02	5.46040E+02	1.25462E+02	3.95472E+01	5.54220E+02	3.22897E+02
201	6	8.02580E+02	9.44932E+02	1.29825E+03	9.26042E+02	5.42109E+02	1.24561E+02	3.92740E+01	5.49585E+02	3.20648E+02
202	6	8.07580E+02	9.38486E+02	1.28912E+03	9.19460E+02	5.38214E+02	1.23666E+02	3.90022E+01	5.45011E+02	3.18424E+02
203	6	8.12580E+02	9.32103E+02	1.28009E+03	9.12943E+02	5.34356E+02	1.22777E+02	3.87318E+01	5.40495E+02	3.16225E+02
204	6	8.17580E+02	9.25781E+02	1.27116E+03	9.06490E+02	5.30533E+02	1.21894E+02	3.84627E+01	5.36038E+02	3.14049E+02
205	6	8.22580E+02	9.19519E+02	1.26232E+03	9.00099E+02	5.26746E+02	1.21018E+02	3.81949E+01	5.31637E+02	3.11896E+02
206	6	8.27580E+02	9.13317E+02	1.25357E+03	8.93770E+02	5.22992E+02	1.20147E+02	3.79284E+01	5.27293E+02	3.09767E+02
207	6	8.32580E+02	9.07173E+02	1.24491E+03	8.87501E+02	5.19273E+02	1.19282E+02	3.76631E+01	5.23004E+02	3.07660E+02
208	6	8.37580E+02	9.01086E+02	1.23634E+03	8.81291E+02	5.15586E+02	1.18423E+02	3.73989E+01	5.18768E+02	3.05574E+02
209	6	8.42580E+02	8.95054E+02	1.22786E+03	8.75139E+02	5.11931E+02	1.17570E+02	3.71360E+01	5.14585E+02	3.03511E+02
210	6	8.47580E+02	8.89077E+02	1.21946E+03	8.69043E+02	5.08307E+02	1.16722E+02	3.68741E+01	5.10455E+02	3.01469E+02
211	6	8.52580E+02	8.83154E+02	1.21115E+03	8.63003E+02	5.04715E+02	1.15879E+02	3.66134E+01	5.06375E+02	2.99447E+02
212	6	8.57580E+02	8.77283E+02	1.20292E+03	8.57017E+02	5.01153E+02	1.15042E+02	3.63537E+01	5.02345E+02	2.97446E+02
213	6	8.62580E+02	8.71463E+02	1.19477E+03	8.51084E+02	4.97620E+02	1.14210E+02	3.60950E+01	4.98365E+02	2.95464E+02
214	6	8.67580E+02	8.65694E+02	1.18670E+03	8.45204E+02	4.94116E+02	1.13382E+02	3.58374E+01	4.94433E+02	2.93502E+02
215	6	8.72580E+02	8.59974E+02	1.17870E+03	8.39375E+02	4.90641E+02	1.12559E+02	3.55806E+01	4.90548E+02	2.91560E+02
216	6	8.77580E+02	8.54302E+02	1.17078E+03	8.33596E+02	4.87193E+02	1.11741E+02	3.53249E+01	4.86711E+02	2.89635E+02
217	6	8.82580E+02	8.48678E+02	1.16294E+03	8.27866E+02	4.83773E+02	1.10928E+02	3.50700E+01	4.82919E+02	2.87730E+02
218	6	8.87580E+02	8.43100E+02	1.15516E+03	8.22184E+02	4.80379E+02	1.10119E+02	3.48160E+01	4.79172E+02	2.85842E+02
219	6	8.92580E+02	8.37568E+02	1.14746E+03	8.16549E+02	4.77011E+02	1.09314E+02	3.45628E+01	4.75469E+02	2.83971E+02
220	6	8.97580E+02	8.32079E+02	1.13983E+03	8.10960E+02	4.73668E+02	1.08514E+02	3.43104E+01	4.71810E+02	2.82118E+02
221	6	9.02580E+02	8.26634E+02	1.13227E+03	8.05416E+02	4.70350E+02	1.07717E+02	3.40587E+01	4.68194E+02	2.80282E+02
222	6	9.07580E+02	8.21232E+02	1.12477E+03	7.99916E+02	4.67057E+02	1.06925E+02	3.38078E+01	4.64620E+02	2.78462E+02
223	6	9.12580E+02	8.15871E+02	1.11734E+03	7.94459E+02	4.63787E+02	1.06136E+02	3.35576E+01	4.61087E+02	2.76658E+02
224	6	9.17580E+02	8.10550E+02	1.10998E+03	7.89044E+02	4.60540E+02	1.05351E+02	3.33080E+01	4.57595E+02	2.74870E+02

225	6	9.22580E+02	8.05270E+02	1.10268E+03	7.83670E+02	4.57315E+02	1.04570E+02	3.30590E+01	4.54143E+02	2.73097E+02
226	6	9.27580E+02	8.00028E+02	1.09544E+03	7.78336E+02	4.54113E+02	1.03792E+02	3.28106E+01	4.50730E+02	2.71339E+02
227	6	9.32580E+02	7.94823E+02	1.08826E+03	7.73042E+02	4.50931E+02	1.03017E+02	3.25627E+01	4.47356E+02	2.69596E+02
228	6	9.37580E+02	7.89656E+02	1.08114E+03	7.67786E+02	4.47771E+02	1.02245E+02	3.23154E+01	4.44020E+02	2.67867E+02
229	6	9.42580E+02	7.84524E+02	1.07407E+03	7.62567E+02	4.44630E+02	1.01477E+02	3.20684E+01	4.40721E+02	2.66151E+02
230	6	9.47580E+02	7.79428E+02	1.06707E+03	7.57384E+02	4.41510E+02	1.00711E+02	3.18219E+01	4.37459E+02	2.64449E+02
231	6	9.52580E+02	7.74365E+02	1.06012E+03	7.52236E+02	4.38408E+02	9.99481E+01	3.15757E+01	4.34233E+02	2.62760E+02
232	6	9.57580E+02	7.69336E+02	1.05322E+03	7.47123E+02	4.35325E+02	9.91877E+01	3.13299E+01	4.31043E+02	2.61084E+02
233	6	9.62580E+02	7.64339E+02	1.04637E+03	7.42043E+02	4.32259E+02	9.84298E+01	3.10843E+01	4.27888E+02	2.59420E+02
234	6	9.67580E+02	7.59372E+02	1.03958E+03	7.36996E+02	4.29210E+02	9.76741E+01	3.08389E+01	4.24767E+02	2.57768E+02
235	6	9.72580E+02	7.54436E+02	1.03284E+03	7.31979E+02	4.26178E+02	9.69205E+01	3.05937E+01	4.21680E+02	2.56128E+02
236	6	9.77580E+02	7.49529E+02	1.02614E+03	7.26993E+02	4.23162E+02	9.61689E+01	3.03486E+01	4.18627E+02	2.54499E+02
237	6	9.82580E+02	7.44650E+02	1.01950E+03	7.22037E+02	4.20161E+02	9.54190E+01	3.01035E+01	4.15606E+02	2.52880E+02
238	6	9.87580E+02	7.39799E+02	1.01289E+03	7.17108E+02	4.17175E+02	9.46707E+01	2.98584E+01	4.12618E+02	2.51272E+02
239	6	9.92580E+02	7.34973E+02	1.00634E+03	7.12206E+02	4.14203E+02	9.39238E+01	2.96132E+01	4.09662E+02	2.49673E+02
240	6	9.97580E+02	7.30172E+02	9.99824E+02	7.07330E+02	4.11243E+02	9.31781E+01	2.93678E+01	4.06737E+02	2.48084E+02
241	6	1.00258E+03	7.25396E+02	9.93352E+02	7.02479E+02	4.08296E+02	9.24334E+01	2.91223E+01	4.03843E+02	2.46504E+02
242	6	1.00758E+03	7.20642E+02	9.86920E+02	6.97652E+02	4.05361E+02	9.16895E+01	2.88764E+01	4.00979E+02	2.44932E+02
243	6	1.01258E+03	7.15909E+02	9.80527E+02	6.92847E+02	4.02437E+02	9.09461E+01	2.86302E+01	3.98145E+02	2.43369E+02
244	6	1.01758E+03	7.11197E+02	9.74172E+02	6.88063E+02	3.99522E+02	9.02030E+01	2.83835E+01	3.95341E+02	2.41813E+02
245	6	1.02258E+03	7.06504E+02	9.67852E+02	6.83299E+02	3.96617E+02	8.94600E+01	2.81362E+01	3.92565E+02	2.40264E+02
246	6	1.02758E+03	7.01828E+02	9.61567E+02	6.78554E+02	3.93721E+02	8.87168E+01	2.78883E+01	3.89818E+02	2.38721E+02
247	6	1.03258E+03	6.97170E+02	9.55314E+02	6.73826E+02	3.90832E+02	8.79732E+01	2.76397E+01	3.87099E+02	2.37184E+02
248	6	1.03758E+03	6.92526E+02	9.49093E+02	6.69113E+02	3.87949E+02	8.72287E+01	2.73901E+01	3.84408E+02	2.35653E+02
249	6	1.04258E+03	6.87896E+02	9.42900E+02	6.64415E+02	3.85071E+02	8.64832E+01	2.71396E+01	3.81744E+02	2.34128E+02
250	6	1.04758E+03	6.83278E+02	9.36735E+02	6.59729E+02	3.82199E+02	8.57363E+01	2.68881E+01	3.79107E+02	2.32608E+02
251	6	1.05258E+03	6.78670E+02	9.30596E+02	6.55054E+02	3.79329E+02	8.49877E+01	2.66353E+01	3.76496E+02	2.31091E+02
252	6	1.05758E+03	6.74072E+02	9.24480E+02	6.50389E+02	3.76462E+02	8.42369E+01	2.63811E+01	3.73911E+02	2.29576E+02
253	6	1.06258E+03	6.69480E+02	9.18386E+02	6.45731E+02	3.73596E+02	8.34836E+01	2.61254E+01	3.71352E+02	2.28064E+02
254	6	1.06758E+03	6.64894E+02	9.12312E+02	6.41078E+02	3.70729E+02	8.27274E+01	2.58681E+01	3.68819E+02	2.26554E+02
255	6	1.07258E+03	6.60312E+02	9.06254E+02	6.36429E+02	3.67861E+02	8.19679E+01	2.56089E+01	3.66310E+02	2.25044E+02
256	6	1.07758E+03	6.55731E+02	9.00212E+02	6.31782E+02	3.64989E+02	8.12045E+01	2.53477E+01	3.63825E+02	2.23534E+02
257	6	1.08258E+03	6.51149E+02	8.94183E+02	6.27134E+02	3.62113E+02	8.04368E+01	2.50843E+01	3.61365E+02	2.22023E+02
258	6	1.08758E+03	6.46564E+02	8.88163E+02	6.22483E+02	3.59231E+02	7.96642E+01	2.48185E+01	3.58928E+02	2.20510E+02

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 TOTAL FLUX - G=GROUP NO. N= 32

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	6.61401E+04	7.81951E+04	5.07748E+04	2.00482E+04	1.02712E+04	1.39827E+03	8.03413E+01	3.92251E+01
2	1	1.00000E+00	6.61364E+04	7.81918E+04	5.07727E+04	2.00475E+04	1.02711E+04	1.39829E+03	8.03435E+01	3.92267E+01
3	1	2.67567E+00	6.60944E+04	7.81497E+04	5.07520E+04	2.00417E+04	1.02704E+04	1.39852E+03	8.03580E+01	3.92385E+01
4	1	5.02700E+00	6.59898E+04	7.80451E+04	5.07010E+04	2.00275E+04	1.02687E+04	1.39911E+03	8.03945E+01	3.92681E+01
5	1	7.37833E+00	6.58240E+04	7.78796E+04	5.06203E+04	2.00052E+04	1.02661E+04	1.40009E+03	8.04550E+01	3.93170E+01
6	1	9.72967E+00	6.55973E+04	7.76543E+04	5.05107E+04	1.99749E+04	1.02628E+04	1.40151E+03	8.05429E+01	3.93881E+01
7	1	1.20810E+01	6.53098E+04	7.73698E+04	5.03726E+04	1.99369E+04	1.02592E+04	1.40343E+03	8.06625E+01	3.94854E+01
8	1	1.44323E+01	6.49610E+04	7.70267E+04	5.02067E+04	1.98918E+04	1.02555E+04	1.40598E+03	8.08198E+01	3.96145E+01
9	1	1.67837E+01	6.45510E+04	7.66262E+04	5.00141E+04	1.98399E+04	1.02523E+04	1.40927E+03	8.10225E+01	3.97828E+01
10	1	1.91350E+01	6.40796E+04	7.61695E+04	4.97961E+04	1.97820E+04	1.02500E+04	1.41346E+03	8.12798E+01	4.00002E+01
11	1	2.14863E+01	6.35467E+04	7.56586E+04	4.95537E+04	1.97188E+04	1.02495E+04	1.41874E+03	8.16031E+01	4.02797E+01
12	1	2.38377E+01	6.29520E+04	7.50949E+04	4.92888E+04	1.96511E+04	1.02513E+04	1.42535E+03	8.20059E+01	4.06387E+01
13	1	2.61890E+01	6.22953E+04	7.44808E+04	4.90031E+04	1.95799E+04	1.02565E+04	1.43354E+03	8.25043E+01	4.11001E+01
14	1	2.85403E+01	6.15764E+04	7.38191E+04	4.86988E+04	1.95063E+04	1.02659E+04	1.44364E+03	8.31174E+01	4.16948E+01
15	1	3.08917E+01	6.07948E+04	7.31132E+04	4.83779E+04	1.94316E+04	1.02808E+04	1.45603E+03	8.38684E+01	4.24648E+01
16	1	3.32430E+01	5.99496E+04	7.23654E+04	4.80430E+04	1.93570E+04	1.03025E+04	1.47115E+03	8.47845E+01	4.34674E+01
17	1	3.55943E+01	5.90400E+04	7.15803E+04	4.76969E+04	1.92841E+04	1.03323E+04	1.48953E+03	8.58984E+01	4.47816E+01
18	1	3.79457E+01	5.80648E+04	7.07623E+04	4.73425E+04	1.92145E+04	1.03720E+04	1.51178E+03	8.72504E+01	4.65178E+01
19	1	4.02970E+01	5.70224E+04	6.99170E+04	4.69830E+04	1.91503E+04	1.04233E+04	1.53866E+03	8.88909E+01	4.88308E+01
20	1	4.26483E+01	5.59104E+04	6.90491E+04	4.66220E+04	1.90933E+04	1.04884E+04	1.57104E+03	9.08845E+01	5.19397E+01
21	1	4.49997E+01	5.47259E+04	6.81656E+04	4.62630E+04	1.90457E+04	1.05696E+04	1.60995E+03	9.33187E+01	5.61575E+01
22	1	4.73510E+01	5.34650E+04	6.72744E+04	4.59100E+04	1.90098E+04	1.06695E+04	1.65662E+03	9.63189E+01	6.19332E+01
23	1	4.97023E+01	5.21224E+04	6.63854E+04	4.55676E+04	1.89888E+04	1.07911E+04	1.71257E+03	1.00079E+02	6.99165E+01

24	1	5.20537E+01	5.06918E+04	6.55072E+04	4.52402E+04	1.89855E+04	1.09379E+04	1.77959E+03	1.04919E+02	8.10525E+01
25	1	5.44050E+01	4.91642E+04	6.46529E+04	4.49325E+04	1.90031E+04	1.11136E+04	1.85986E+03	1.11404E+02	9.67252E+01
26	1	5.67563E+01	4.75277E+04	6.38376E+04	4.46490E+04	1.90452E+04	1.13227E+04	1.95603E+03	1.20580E+02	1.18973E+02
27	1	5.91077E+01	4.57663E+04	6.30795E+04	4.43966E+04	1.91164E+04	1.15703E+04	2.07134E+03	1.34486E+02	1.50815E+02
28	1	6.14590E+01	4.38605E+04	6.24013E+04	4.41806E+04	1.92214E+04	1.18624E+04	2.20988E+03	1.57095E+02	1.96748E+02
29	1	6.38103E+01	4.17809E+04	6.18330E+04	4.40071E+04	1.93659E+04	1.22062E+04	2.37682E+03	1.96695E+02	2.63492E+02
30	1	6.61617E+01	3.94842E+04	6.14176E+04	4.38835E+04	1.95571E+04	1.26109E+04	2.57899E+03	2.69741E+02	3.61157E+02
31	1	6.85130E+01	3.68947E+04	6.12296E+04	4.38249E+04	1.98046E+04	1.30895E+04	2.82605E+03	4.13579E+02	5.04909E+02
32	1	7.08643E+01	3.38242E+04	6.14625E+04	4.38625E+04	2.01299E+04	1.36693E+04	3.13741E+03	7.06493E+02	7.19506E+02
33	1	7.27900E+01	3.07490E+04	6.21684E+04	4.39999E+04	2.04756E+04	1.42442E+04	3.45799E+03	1.16465E+03	9.63891E+02
34	1	7.37900E+01	2.88151E+04	6.28510E+04	4.41332E+04	2.07003E+04	1.45976E+04	3.66102E+03	1.56860E+03	1.12527E+03
0										
35	2	7.43575E+01	2.47872E+04	6.33790E+04	4.42217E+04	2.11965E+04	1.53975E+04	4.41219E+03	2.17035E+03	1.42228E+03
36	2	7.49925E+01	1.93779E+04	6.31617E+04	4.39978E+04	2.17957E+04	1.65591E+04	5.56640E+03	2.97454E+03	1.89247E+03
37	2	7.56275E+01	1.60275E+04	6.19584E+04	4.32260E+04	2.19794E+04	1.73406E+04	6.38735E+03	3.61005E+03	2.31400E+03
38	2	7.62625E+01	1.34501E+04	6.08065E+04	4.19437E+04	2.18759E+04	1.78761E+04	7.02433E+03	4.13876E+03	2.70425E+03
0										
39	3	7.68300E+01	1.22834E+04	6.03984E+04	4.11641E+04	2.17572E+04	1.80928E+04	7.30169E+03	4.37797E+03	2.89279E+03
40	3	7.73300E+01	1.22669E+04	6.05153E+04	4.11607E+04	2.17598E+04	1.80983E+04	7.30363E+03	4.37990E+03	2.89373E+03
41	3	7.78300E+01	1.22529E+04	6.06409E+04	4.11621E+04	2.17630E+04	1.81035E+04	7.30521E+03	4.38132E+03	2.89421E+03
0										
42	4	7.83300E+01	1.05505E+04	5.96180E+04	4.02412E+04	2.15582E+04	1.81810E+04	7.44154E+03	4.55983E+03	3.05793E+03
43	4	7.88300E+01	8.06402E+03	5.64666E+04	3.83400E+04	2.10509E+04	1.81855E+04	7.63855E+03	4.87243E+03	3.37280E+03
44	4	7.93300E+01	6.71341E+03	5.18512E+04	3.63183E+04	2.03801E+04	1.79185E+04	7.69921E+03	5.09976E+03	3.66301E+03
45	4	7.98300E+01	6.01083E+03	4.61469E+04	3.42033E+04	1.95949E+04	1.73892E+04	7.64395E+03	5.25697E+03	3.95008E+03
0										
46	5	8.03300E+01	5.89044E+03	4.10266E+04	3.23969E+04	1.88684E+04	1.67619E+04	7.51654E+03	5.34565E+03	4.19697E+03
47	5	8.10800E+01	5.89138E+03	3.59545E+04	3.01230E+04	1.78510E+04	1.58615E+04	7.24059E+03	5.33205E+03	4.38220E+03
48	5	8.20800E+01	5.78795E+03	3.03787E+04	2.70313E+04	1.63570E+04	1.45880E+04	6.77449E+03	5.17070E+03	4.45122E+03
49	5	8.30800E+01	5.58057E+03	2.57917E+04	2.39390E+04	1.47318E+04	1.32010E+04	6.19963E+03	4.85757E+03	4.33056E+03
50	5	8.40800E+01	5.29783E+03	2.18224E+04	2.08985E+04	1.30178E+04	1.17139E+04	5.54092E+03	4.42626E+03	4.05380E+03
51	5	8.50800E+01	4.95400E+03	1.83186E+04	1.79271E+04	1.12449E+04	1.01470E+04	4.81717E+03	3.90322E+03	3.65021E+03
52	5	8.60800E+01	4.55654E+03	1.51752E+04	1.50297E+04	9.43198E+03	8.51647E+03	4.04184E+03	3.30982E+03	3.14527E+03
53	5	8.70800E+01	4.10762E+03	1.23088E+04	1.21999E+04	7.58735E+03	6.83473E+03	3.22543E+03	2.66348E+03	2.56232E+03
54	5	8.80800E+01	3.60301E+03	9.63475E+03	9.41940E+03	5.71598E+03	5.11533E+03	2.37272E+03	1.98000E+03	1.92162E+03
55	5	8.90800E+01	3.02437E+03	6.99916E+03	6.58245E+03	3.78254E+03	3.34332E+03	1.48673E+03	1.26759E+03	1.23711E+03
56	5	8.98300E+01	2.53325E+03	4.91736E+03	4.28286E+03	2.19664E+03	1.90365E+03	7.63682E+02	6.89994E+02	6.73148E+02
0										
57	6	9.03300E+01	2.34174E+03	4.14258E+03	3.41547E+03	1.59102E+03	1.35897E+03	4.87723E+02	4.72295E+02	4.58470E+02
58	6	9.10800E+01	2.30840E+03	4.06308E+03	3.34811E+03	1.56016E+03	1.33261E+03	4.78205E+02	4.62922E+02	4.49413E+02
59	6	9.25800E+01	2.24954E+03	3.92246E+03	3.22921E+03	1.50576E+03	1.28612E+03	4.61434E+02	4.46394E+02	4.33447E+02
60	6	9.55800E+01	2.15418E+03	3.69407E+03	3.03687E+03	1.41792E+03	1.21103E+03	4.34373E+02	4.19699E+02	4.07671E+02
61	6	1.00236E+02	2.03918E+03	3.41846E+03	2.80588E+03	1.31266E+03	1.12101E+03	4.01977E+02	3.87700E+02	3.76791E+02
62	6	1.05549E+02	1.93815E+03	3.17706E+03	2.60460E+03	1.22113E+03	1.04267E+03	3.73832E+02	3.59869E+02	3.49947E+02
63	6	1.10861E+02	1.85724E+03	2.98538E+03	2.44539E+03	1.14880E+03	9.80747E+02	3.51610E+02	3.37882E+02	3.28746E+02
64	6	1.16174E+02	1.78872E+03	2.82487E+03	2.31235E+03	1.08837E+03	9.28998E+02	3.33051E+02	3.19520E+02	3.11041E+02
65	6	1.21486E+02	1.72886E+03	2.68638E+03	2.19770E+03	1.03628E+03	8.84386E+02	3.17057E+02	3.03701E+02	2.95786E+02
66	6	1.26799E+02	1.67554E+03	2.56462E+03	2.09698E+03	9.90483E+02	8.45171E+02	3.03002E+02	2.89805E+02	2.82384E+02
67	6	1.32111E+02	1.62741E+03	2.45614E+03	2.00730E+03	9.49678E+02	8.10228E+02	2.90479E+02	2.77431E+02	2.70447E+02
68	6	1.37424E+02	1.58354E+03	2.35853E+03	1.92662E+03	9.12942E+02	7.78773E+02	2.79208E+02	2.66299E+02	2.59707E+02
69	6	1.42580E+02	1.54432E+03	2.27238E+03	1.85541E+03	8.80495E+02	7.50992E+02	2.69254E+02	2.56475E+02	2.50225E+02
70	6	1.47580E+02	1.50908E+03	2.19592E+03	1.79223E+03	8.51678E+02	7.26322E+02	2.60415E+02	2.47756E+02	2.41809E+02
71	6	1.52580E+02	1.47618E+03	2.12538E+03	1.73394E+03	8.25072E+02	7.03546E+02	2.52255E+02	2.39712E+02	2.34042E+02
72	6	1.57580E+02	1.44534E+03	2.06002E+03	1.67992E+03	8.00399E+02	6.82428E+02	2.44689E+02	2.32257E+02	2.26842E+02
73	6	1.62580E+02	1.41633E+03	1.99923E+03	1.62968E+03	7.77428E+02	6.62769E+02	2.37646E+02	2.25322E+02	2.20143E+02
74	6	1.67580E+02	1.38894E+03	1.94249E+03	1.58278E+03	7.55968E+02	6.44404E+02	2.31067E+02	2.18848E+02	2.13888E+02
75	6	1.72580E+02	1.36301E+03	1.88936E+03	1.53887E+03	7.35857E+02	6.27196E+02	2.24901E+02	2.12785E+02	2.08028E+02
76	6	1.77580E+02	1.33840E+03	1.83948E+03	1.49764E+03	7.16957E+02	6.11026E+02	2.19108E+02	2.07092E+02	2.02524E+02
77	6	1.82580E+02	1.31499E+03	1.79253E+03	1.45882E+03	6.99149E+02	5.95792E+02	2.13650E+02	2.01731E+02	1.97341E+02
78	6	1.87580E+02	1.29267E+03	1.74824E+03	1.42219E+03	6.82332E+02	5.81407E+02	2.08496E+02	1.96673E+02	1.92448E+02

79	6	1.92580E+02	1.27135E+03	1.70636E+03	1.38756E+03	6.66416E+02	5.67795E+02	2.03619E+02	1.91889E+02	1.87820E+02
80	6	1.97580E+02	1.25094E+03	1.66669E+03	1.35474E+03	6.51323E+02	5.54888E+02	1.98995E+02	1.87355E+02	1.83433E+02
81	6	2.02580E+02	1.23138E+03	1.62903E+03	1.32360E+03	6.36984E+02	5.42627E+02	1.94601E+02	1.83051E+02	1.79267E+02
82	6	2.07580E+02	1.21261E+03	1.59324E+03	1.29398E+03	6.23339E+02	5.30961E+02	1.90421E+02	1.78959E+02	1.75305E+02
83	6	2.12580E+02	1.19455E+03	1.55915E+03	1.26578E+03	6.10334E+02	5.19843E+02	1.86437E+02	1.75061E+02	1.71530E+02
84	6	2.17580E+02	1.17718E+03	1.52665E+03	1.23888E+03	5.97920E+02	5.09231E+02	1.82635E+02	1.71343E+02	1.67929E+02
85	6	2.22580E+02	1.16043E+03	1.49561E+03	1.21319E+03	5.86054E+02	4.99089E+02	1.79001E+02	1.67792E+02	1.64488E+02
86	6	2.27580E+02	1.14426E+03	1.46593E+03	1.18862E+03	5.74698E+02	4.89384E+02	1.75523E+02	1.64395E+02	1.61197E+02
87	6	2.32580E+02	1.12865E+03	1.43751E+03	1.16510E+03	5.63815E+02	4.80084E+02	1.72190E+02	1.61143E+02	1.58044E+02
88	6	2.37580E+02	1.11356E+03	1.41028E+03	1.14256E+03	5.53374E+02	4.71163E+02	1.68993E+02	1.58025E+02	1.55021E+02
89	6	2.42580E+02	1.09894E+03	1.38415E+03	1.12092E+03	5.43347E+02	4.62596E+02	1.65923E+02	1.55032E+02	1.52119E+02
90	6	2.47580E+02	1.08479E+03	1.35905E+03	1.10014E+03	5.33707E+02	4.54360E+02	1.62971E+02	1.52157E+02	1.49331E+02
91	6	2.52580E+02	1.07106E+03	1.33492E+03	1.08016E+03	5.24430E+02	4.46436E+02	1.60131E+02	1.49393E+02	1.46648E+02
92	6	2.57580E+02	1.05774E+03	1.31169E+03	1.06092E+03	5.15493E+02	4.38803E+02	1.57395E+02	1.46731E+02	1.44066E+02
93	6	2.62580E+02	1.04481E+03	1.28932E+03	1.04240E+03	5.06878E+02	4.31445E+02	1.54758E+02	1.44167E+02	1.41577E+02
94	6	2.67580E+02	1.03224E+03	1.26776E+03	1.02454E+03	4.98565E+02	4.24346E+02	1.52213E+02	1.41695E+02	1.39177E+02
95	6	2.72580E+02	1.02001E+03	1.24695E+03	1.00730E+03	4.90537E+02	4.17491E+02	1.49756E+02	1.39310E+02	1.36860E+02
96	6	2.77580E+02	1.00811E+03	1.22686E+03	9.90658E+02	4.82778E+02	4.10866E+02	1.47381E+02	1.37005E+02	1.34622E+02
97	6	2.82580E+02	9.96527E+02	1.20744E+03	9.74575E+02	4.75274E+02	4.04460E+02	1.45085E+02	1.34779E+02	1.32458E+02
98	6	2.87580E+02	9.85238E+02	1.18866E+03	9.59021E+02	4.68011E+02	3.98260E+02	1.42862E+02	1.32625E+02	1.30365E+02
99	6	2.92580E+02	9.74231E+02	1.17049E+03	9.43971E+02	4.60977E+02	3.92256E+02	1.40710E+02	1.30540E+02	1.28339E+02
100	6	2.97580E+02	9.63494E+02	1.15290E+03	9.29396E+02	4.54161E+02	3.86438E+02	1.38624E+02	1.28522E+02	1.26377E+02
101	6	3.02580E+02	9.53014E+02	1.13585E+03	9.15275E+02	4.47550E+02	3.80796E+02	1.36601E+02	1.26566E+02	1.24474E+02
102	6	3.07580E+02	9.42781E+02	1.11932E+03	9.01583E+02	4.41136E+02	3.75322E+02	1.34638E+02	1.24669E+02	1.22629E+02
103	6	3.12580E+02	9.32783E+02	1.10328E+03	8.88300E+02	4.34908E+02	3.70008E+02	1.32733E+02	1.22828E+02	1.20839E+02
104	6	3.17580E+02	9.23010E+02	1.08772E+03	8.75408E+02	4.28858E+02	3.64845E+02	1.30882E+02	1.21042E+02	1.19100E+02
105	6	3.22580E+02	9.13453E+02	1.07260E+03	8.62887E+02	4.22978E+02	3.59828E+02	1.29083E+02	1.19306E+02	1.17411E+02
106	6	3.27580E+02	9.04102E+02	1.05791E+03	8.50720E+02	4.17260E+02	3.54950E+02	1.27334E+02	1.17620E+02	1.15769E+02
107	6	3.32580E+02	8.94951E+02	1.04362E+03	8.38892E+02	4.11696E+02	3.50203E+02	1.25632E+02	1.15980E+02	1.14173E+02
108	6	3.37580E+02	8.85990E+02	1.02973E+03	8.27387E+02	4.06280E+02	3.45584E+02	1.23975E+02	1.14385E+02	1.12619E+02
109	6	3.42580E+02	8.77213E+02	1.01621E+03	8.16192E+02	4.01005E+02	3.41085E+02	1.22362E+02	1.12833E+02	1.11107E+02
110	6	3.47580E+02	8.68611E+02	1.00305E+03	8.05292E+02	3.95866E+02	3.36701E+02	1.20790E+02	1.11321E+02	1.09634E+02
111	6	3.52580E+02	8.60180E+02	9.90224E+02	7.94676E+02	3.90856E+02	3.32429E+02	1.19258E+02	1.09849E+02	1.08199E+02
112	6	3.57580E+02	8.51912E+02	9.77728E+02	7.84332E+02	3.85971E+02	3.28263E+02	1.17763E+02	1.08414E+02	1.06801E+02
113	6	3.62580E+02	8.43801E+02	9.65545E+02	7.74248E+02	3.81205E+02	3.24198E+02	1.16306E+02	1.07015E+02	1.05437E+02
114	6	3.67580E+02	8.35841E+02	9.53663E+02	7.64413E+02	3.76553E+02	3.20232E+02	1.14883E+02	1.05651E+02	1.04106E+02
115	6	3.72580E+02	8.28029E+02	9.42070E+02	7.54819E+02	3.72011E+02	3.16359E+02	1.13494E+02	1.04319E+02	1.02808E+02
116	6	3.77580E+02	8.20357E+02	9.30753E+02	7.45455E+02	3.67575E+02	3.12577E+02	1.12138E+02	1.03020E+02	1.01540E+02
117	6	3.82580E+02	8.12822E+02	9.19703E+02	7.36313E+02	3.63240E+02	3.08882E+02	1.10812E+02	1.01751E+02	1.00302E+02
118	6	3.87580E+02	8.05418E+02	9.08909E+02	7.27383E+02	3.59003E+02	3.05270E+02	1.09516E+02	1.00512E+02	9.90925E+01
119	6	3.92580E+02	7.98142E+02	8.98361E+02	7.18659E+02	3.54860E+02	3.01738E+02	1.08250E+02	9.93006E+01	9.79103E+01
120	6	3.97580E+02	7.90989E+02	8.88050E+02	7.10132E+02	3.50808E+02	2.98284E+02	1.07011E+02	9.81168E+01	9.67544E+01
121	6	4.02580E+02	7.83955E+02	8.77967E+02	7.01795E+02	3.46843E+02	2.94904E+02	1.05798E+02	9.69593E+01	9.56240E+01
122	6	4.07580E+02	7.77037E+02	8.68105E+02	6.93642E+02	3.42962E+02	2.91596E+02	1.04612E+02	9.58271E+01	9.45181E+01
123	6	4.12580E+02	7.70230E+02	8.58454E+02	6.85665E+02	3.39162E+02	2.88358E+02	1.03450E+02	9.47194E+01	9.34358E+01
124	6	4.17580E+02	7.63532E+02	8.49008E+02	6.77859E+02	3.35441E+02	2.85187E+02	1.02312E+02	9.36351E+01	9.23764E+01
125	6	4.22580E+02	7.56938E+02	8.39760E+02	6.70217E+02	3.31795E+02	2.82080E+02	1.01197E+02	9.25736E+01	9.13389E+01
126	6	4.27580E+02	7.50446E+02	8.30702E+02	6.62734E+02	3.28223E+02	2.79035E+02	1.00105E+02	9.15341E+01	9.03227E+01
127	6	4.32580E+02	7.44053E+02	8.21828E+02	6.55405E+02	3.24720E+02	2.76051E+02	9.90343E+01	9.05158E+01	8.93271E+01
128	6	4.37580E+02	7.37755E+02	8.13132E+02	6.48224E+02	3.21287E+02	2.73125E+02	9.79844E+01	8.95180E+01	8.83513E+01
129	6	4.42580E+02	7.31542E+02	8.04607E+02	6.41186E+02	3.17919E+02	2.70255E+02	9.69548E+01	8.85401E+01	8.73947E+01
130	6	4.47580E+02	7.25428E+02	7.96249E+02	6.34287E+02	3.14615E+02	2.67440E+02	9.59447E+01	8.75813E+01	8.64566E+01
131	6	4.52580E+02	7.19402E+02	7.88051E+02	6.27522E+02	3.11372E+02	2.64678E+02	9.49535E+01	8.66410E+01	8.55366E+01
132	6	4.57580E+02	7.13460E+02	7.80009E+02	6.20887E+02	3.08190E+02	2.61966E+02	9.39806E+01	8.57187E+01	8.46339E+01
133	6	4.62580E+02	7.07602E+02	7.72118E+02	6.14377E+02	3.05065E+02	2.59305E+02	9.30254E+01	8.48138E+01	8.37481E+01
134	6	4.67580E+02	7.01823E+02	7.64372E+02	6.07990E+02	3.01997E+02	2.56691E+02	9.20874E+01	8.39257E+01	8.28786E+01
135	6	4.72580E+02	6.96124E+02	7.56768E+02	6.01720E+02	2.98983E+02	2.54123E+02	9.11660E+01	8.30540E+01	8.20250E+01
136	6	4.77580E+02	6.90500E+02	7.49300E+02	5.95565E+02	2.96022E+02	2.51601E+02	9.02608E+01	8.21981E+01	8.11867E+01
137	6	4.82580E+02	6.84951E+02	7.41965E+02	5.89521E+02	2.93112E+02	2.49122E+02	8.93713E+01	8.13575E+01	8.03632E+01
138	6	4.87580E+02	6.79473E+02	7.34759E+02	5.83584E+02	2.90252E+02	2.46686E+02	8.84969E+01	8.05319E+01	7.95542E+01

139	6	4.92580E+02	6.74066E+02	7.27678E+02	5.77752E+02	2.87440E+02	2.44291E+02	8.76373E+01	7.97206E+01	7.87592E+01
140	6	4.97580E+02	6.68728E+02	7.20718E+02	5.72022E+02	2.84675E+02	2.41935E+02	8.67919E+01	7.89234E+01	7.79778E+01
141	6	5.02580E+02	6.63456E+02	7.13875E+02	5.66389E+02	2.81955E+02	2.39619E+02	8.59605E+01	7.81398E+01	7.72095E+01
142	6	5.07580E+02	6.58249E+02	7.07147E+02	5.60852E+02	2.79279E+02	2.37340E+02	8.51426E+01	7.73694E+01	7.64541E+01
143	6	5.12580E+02	6.53105E+02	7.00529E+02	5.55408E+02	2.76647E+02	2.35098E+02	8.43378E+01	7.66119E+01	7.57112E+01
144	6	5.17580E+02	6.48024E+02	6.94019E+02	5.50054E+02	2.74056E+02	2.32891E+02	8.35457E+01	7.58668E+01	7.49804E+01
145	6	5.22580E+02	6.43002E+02	6.87614E+02	5.44788E+02	2.71505E+02	2.30719E+02	8.27660E+01	7.51339E+01	7.42613E+01
146	6	5.27580E+02	6.38039E+02	6.81311E+02	5.39607E+02	2.68994E+02	2.28581E+02	8.19984E+01	7.44128E+01	7.35537E+01
147	6	5.32580E+02	6.33134E+02	6.75106E+02	5.34509E+02	2.66521E+02	2.26475E+02	8.12425E+01	7.37031E+01	7.28572E+01
148	6	5.37580E+02	6.28284E+02	6.68998E+02	5.29491E+02	2.64086E+02	2.24401E+02	8.04980E+01	7.30046E+01	7.21715E+01
149	6	5.42580E+02	6.23489E+02	6.62983E+02	5.24552E+02	2.61687E+02	2.22358E+02	7.97646E+01	7.23169E+01	7.14964E+01
150	6	5.47580E+02	6.18747E+02	6.57059E+02	5.19689E+02	2.59323E+02	2.20345E+02	7.90420E+01	7.16399E+01	7.08316E+01
151	6	5.52580E+02	6.14058E+02	6.51224E+02	5.14901E+02	2.56994E+02	2.18362E+02	7.83299E+01	7.09731E+01	7.01767E+01
152	6	5.57580E+02	6.09419E+02	6.45476E+02	5.10185E+02	2.54698E+02	2.16407E+02	7.76281E+01	7.03163E+01	6.95315E+01
153	6	5.62580E+02	6.04830E+02	6.39811E+02	5.05540E+02	2.52435E+02	2.14480E+02	7.69363E+01	6.96693E+01	6.88959E+01
154	6	5.67580E+02	6.00289E+02	6.34228E+02	5.00963E+02	2.50204E+02	2.12580E+02	7.62542E+01	6.90319E+01	6.82694E+01
155	6	5.72580E+02	5.95795E+02	6.28725E+02	4.96453E+02	2.48004E+02	2.10706E+02	7.55815E+01	6.84036E+01	6.76520E+01
156	6	5.77580E+02	5.91348E+02	6.23299E+02	4.92008E+02	2.45834E+02	2.08859E+02	7.49181E+01	6.77845E+01	6.70434E+01
157	6	5.82580E+02	5.86946E+02	6.17950E+02	4.87627E+02	2.43693E+02	2.07036E+02	7.42637E+01	6.71741E+01	6.64432E+01
158	6	5.87580E+02	5.82589E+02	6.12674E+02	4.83308E+02	2.41582E+02	2.05238E+02	7.36181E+01	6.65723E+01	6.58515E+01
159	6	5.92580E+02	5.78274E+02	6.07470E+02	4.79049E+02	2.39498E+02	2.03464E+02	7.29811E+01	6.59788E+01	6.52678E+01
160	6	5.97580E+02	5.74002E+02	6.02336E+02	4.74849E+02	2.37442E+02	2.01713E+02	7.23524E+01	6.53936E+01	6.46921E+01
161	6	6.02580E+02	5.69771E+02	5.97270E+02	4.70707E+02	2.35412E+02	1.99985E+02	7.17319E+01	6.48163E+01	6.41241E+01
162	6	6.07580E+02	5.65581E+02	5.92272E+02	4.66621E+02	2.33409E+02	1.98280E+02	7.11193E+01	6.42468E+01	6.35637E+01
163	6	6.12580E+02	5.61430E+02	5.87338E+02	4.62590E+02	2.31431E+02	1.96595E+02	7.05146E+01	6.36848E+01	6.30106E+01
164	6	6.17580E+02	5.57317E+02	5.82468E+02	4.58612E+02	2.29478E+02	1.94932E+02	6.99174E+01	6.31303E+01	6.24648E+01
165	6	6.22580E+02	5.53243E+02	5.77660E+02	4.54686E+02	2.27549E+02	1.93290E+02	6.93276E+01	6.25830E+01	6.19259E+01
166	6	6.27580E+02	5.49206E+02	5.72913E+02	4.50811E+02	2.25643E+02	1.91668E+02	6.87450E+01	6.20428E+01	6.13940E+01
167	6	6.32580E+02	5.45204E+02	5.68225E+02	4.46986E+02	2.23761E+02	1.90065E+02	6.81695E+01	6.15094E+01	6.08687E+01
168	6	6.37580E+02	5.41239E+02	5.63594E+02	4.43210E+02	2.21902E+02	1.88482E+02	6.76009E+01	6.09828E+01	6.03500E+01
169	6	6.42580E+02	5.37308E+02	5.59021E+02	4.39481E+02	2.20064E+02	1.86918E+02	6.70390E+01	6.04628E+01	5.98377E+01
170	6	6.47580E+02	5.33411E+02	5.54502E+02	4.35798E+02	2.18249E+02	1.85372E+02	6.64838E+01	5.99492E+01	5.93316E+01
171	6	6.52580E+02	5.29547E+02	5.50037E+02	4.32161E+02	2.16454E+02	1.83844E+02	6.59349E+01	5.94419E+01	5.88317E+01
172	6	6.57580E+02	5.25716E+02	5.45624E+02	4.28568E+02	2.14680E+02	1.82333E+02	6.53924E+01	5.89407E+01	5.83377E+01
173	6	6.62580E+02	5.21916E+02	5.41264E+02	4.25019E+02	2.12926E+02	1.80840E+02	6.48560E+01	5.84456E+01	5.78495E+01
174	6	6.67580E+02	5.18148E+02	5.36953E+02	4.21512E+02	2.11191E+02	1.79363E+02	6.43256E+01	5.79563E+01	5.73671E+01
175	6	6.72580E+02	5.14410E+02	5.32691E+02	4.18046E+02	2.09476E+02	1.77903E+02	6.38012E+01	5.74727E+01	5.68902E+01
176	6	6.77580E+02	5.10703E+02	5.28478E+02	4.14621E+02	2.07780E+02	1.76459E+02	6.32824E+01	5.69948E+01	5.64188E+01
177	6	6.82580E+02	5.07024E+02	5.24311E+02	4.11235E+02	2.06103E+02	1.75031E+02	6.27693E+01	5.65223E+01	5.59528E+01
178	6	6.87580E+02	5.03374E+02	5.20191E+02	4.07888E+02	2.04443E+02	1.73618E+02	6.22617E+01	5.60552E+01	5.54919E+01
179	6	6.92580E+02	4.99752E+02	5.16115E+02	4.04579E+02	2.02801E+02	1.72220E+02	6.17594E+01	5.55934E+01	5.50362E+01
180	6	6.97580E+02	4.96158E+02	5.12083E+02	4.01307E+02	2.01176E+02	1.70836E+02	6.12625E+01	5.51367E+01	5.45855E+01
181	6	7.02580E+02	4.92591E+02	5.08094E+02	3.98071E+02	1.99568E+02	1.69467E+02	6.07707E+01	5.46851E+01	5.41396E+01
182	6	7.07580E+02	4.89050E+02	5.04148E+02	3.94871E+02	1.97977E+02	1.68112E+02	6.02839E+01	5.42383E+01	5.36986E+01
183	6	7.12580E+02	4.85535E+02	5.00242E+02	3.91706E+02	1.96402E+02	1.66771E+02	5.98021E+01	5.37964E+01	5.32622E+01
184	6	7.17580E+02	4.82045E+02	4.96377E+02	3.88574E+02	1.94843E+02	1.65443E+02	5.93251E+01	5.33592E+01	5.28304E+01
185	6	7.22580E+02	4.78579E+02	4.92551E+02	3.85476E+02	1.93299E+02	1.64129E+02	5.88528E+01	5.29266E+01	5.24031E+01
186	6	7.27580E+02	4.75138E+02	4.88764E+02	3.82410E+02	1.91770E+02	1.62827E+02	5.83851E+01	5.24985E+01	5.19802E+01
187	6	7.32580E+02	4.71721E+02	4.85014E+02	3.79377E+02	1.90256E+02	1.61538E+02	5.79220E+01	5.20749E+01	5.15616E+01
188	6	7.37580E+02	4.68327E+02	4.81302E+02	3.76374E+02	1.88757E+02	1.60262E+02	5.74633E+01	5.16555E+01	5.11472E+01
189	6	7.42580E+02	4.64956E+02	4.77625E+02	3.73402E+02	1.87272E+02	1.58997E+02	5.70090E+01	5.12404E+01	5.07369E+01
190	6	7.47580E+02	4.61607E+02	4.73984E+02	3.70460E+02	1.85801E+02	1.57745E+02	5.65589E+01	5.08295E+01	5.03307E+01
191	6	7.52580E+02	4.58279E+02	4.70378E+02	3.67548E+02	1.84344E+02	1.56504E+02	5.61130E+01	5.04226E+01	4.99284E+01
192	6	7.57580E+02	4.54973E+02	4.66805E+02	3.64664E+02	1.82900E+02	1.55274E+02	5.56711E+01	5.00197E+01	4.95300E+01
193	6	7.62580E+02	4.51688E+02	4.63266E+02	3.61808E+02	1.81469E+02	1.54056E+02	5.52332E+01	4.96207E+01	4.91354E+01
194	6	7.67580E+02	4.48423E+02	4.59759E+02	3.58979E+02	1.80050E+02	1.52848E+02	5.47992E+01	4.92255E+01	4.87445E+01
195	6	7.72580E+02	4.45178E+02	4.56285E+02	3.56178E+02	1.78645E+02	1.51651E+02	5.43691E+01	4.88341E+01	4.83572E+01
196	6	7.77580E+02	4.41953E+02	4.52841E+02	3.53403E+02	1.77251E+02	1.50464E+02	5.39427E+01	4.84463E+01	4.79735E+01
197	6	7.82580E+02	4.38747E+02	4.49428E+02	3.50654E+02	1.75870E+02	1.49288E+02	5.35200E+01	4.80621E+01	4.75933E+01
198	6	7.87580E+02	4.35559E+02	4.46044E+02	3.47930E+02	1.74501E+02	1.48122E+02	5.31008E+01	4.76814E+01	4.72165E+01

199	6	7.92580E+02	4.32390E+02	4.42690E+02	3.45231E+02	1.73143E+02	1.46965E+02	5.26852E+01	4.73041E+01	4.68430E+01
200	6	7.97580E+02	4.29238E+02	4.39365E+02	3.42556E+02	1.71796E+02	1.45819E+02	5.22730E+01	4.69302E+01	4.64728E+01
201	6	8.02580E+02	4.26104E+02	4.36068E+02	3.39905E+02	1.70460E+02	1.44681E+02	5.18642E+01	4.65596E+01	4.61058E+01
202	6	8.07580E+02	4.22987E+02	4.32798E+02	3.37277E+02	1.69135E+02	1.43553E+02	5.14586E+01	4.61922E+01	4.57420E+01
203	6	8.12580E+02	4.19886E+02	4.29555E+02	3.34672E+02	1.67821E+02	1.42434E+02	5.10563E+01	4.58280E+01	4.53812E+01
204	6	8.17580E+02	4.16802E+02	4.26339E+02	3.32090E+02	1.66517E+02	1.41323E+02	5.06572E+01	4.54669E+01	4.50235E+01
205	6	8.22580E+02	4.13733E+02	4.23148E+02	3.29529E+02	1.65223E+02	1.40221E+02	5.02611E+01	4.51089E+01	4.46686E+01
206	6	8.27580E+02	4.10680E+02	4.19982E+02	3.26990E+02	1.63940E+02	1.39128E+02	4.98681E+01	4.47537E+01	4.43167E+01
207	6	8.32580E+02	4.07641E+02	4.16841E+02	3.24471E+02	1.62666E+02	1.38043E+02	4.94780E+01	4.44015E+01	4.39676E+01
208	6	8.37580E+02	4.04618E+02	4.13725E+02	3.21974E+02	1.61401E+02	1.36966E+02	4.90909E+01	4.40522E+01	4.36213E+01
209	6	8.42580E+02	4.01608E+02	4.10632E+02	3.19496E+02	1.60146E+02	1.35897E+02	4.87065E+01	4.37056E+01	4.32776E+01
210	6	8.47580E+02	3.98612E+02	4.07562E+02	3.17038E+02	1.58900E+02	1.34835E+02	4.83249E+01	4.33617E+01	4.29366E+01
211	6	8.52580E+02	3.95630E+02	4.04514E+02	3.14599E+02	1.57662E+02	1.33781E+02	4.79461E+01	4.30205E+01	4.25983E+01
212	6	8.57580E+02	3.92661E+02	4.01489E+02	3.12179E+02	1.56434E+02	1.32735E+02	4.75698E+01	4.26819E+01	4.22624E+01
213	6	8.62580E+02	3.89704E+02	3.98486E+02	3.09777E+02	1.55213E+02	1.31695E+02	4.71962E+01	4.23459E+01	4.19290E+01
214	6	8.67580E+02	3.86759E+02	3.95503E+02	3.07394E+02	1.54002E+02	1.30663E+02	4.68251E+01	4.20123E+01	4.15980E+01
215	6	8.72580E+02	3.83827E+02	3.92541E+02	3.05028E+02	1.52798E+02	1.29638E+02	4.64564E+01	4.16812E+01	4.12693E+01
216	6	8.77580E+02	3.80905E+02	3.89599E+02	3.02679E+02	1.51602E+02	1.28619E+02	4.60901E+01	4.13524E+01	4.09430E+01
217	6	8.82580E+02	3.77995E+02	3.86677E+02	3.00346E+02	1.50414E+02	1.27607E+02	4.57262E+01	4.10260E+01	4.06189E+01
218	6	8.87580E+02	3.75095E+02	3.83774E+02	2.98031E+02	1.49233E+02	1.26601E+02	4.53646E+01	4.07018E+01	4.02970E+01
219	6	8.92580E+02	3.72206E+02	3.80890E+02	2.95731E+02	1.48059E+02	1.25601E+02	4.50051E+01	4.03798E+01	3.99773E+01
220	6	8.97580E+02	3.69326E+02	3.78024E+02	2.93446E+02	1.46893E+02	1.24608E+02	4.46479E+01	4.00600E+01	3.96596E+01
221	6	9.02580E+02	3.66455E+02	3.75176E+02	2.91177E+02	1.45734E+02	1.23620E+02	4.42927E+01	3.97423E+01	3.93440E+01
222	6	9.07580E+02	3.63594E+02	3.72345E+02	2.88923E+02	1.44581E+02	1.22638E+02	4.39396E+01	3.94266E+01	3.90303E+01
223	6	9.12580E+02	3.60741E+02	3.69531E+02	2.86683E+02	1.43435E+02	1.21662E+02	4.35885E+01	3.91129E+01	3.87186E+01
224	6	9.17580E+02	3.57896E+02	3.66733E+02	2.84457E+02	1.42295E+02	1.20691E+02	4.32393E+01	3.88012E+01	3.84087E+01
225	6	9.22580E+02	3.55058E+02	3.63951E+02	2.82245E+02	1.41162E+02	1.19725E+02	4.28919E+01	3.84913E+01	3.81007E+01
226	6	9.27580E+02	3.52228E+02	3.61184E+02	2.80045E+02	1.40034E+02	1.18764E+02	4.25464E+01	3.81832E+01	3.77944E+01
227	6	9.32580E+02	3.49404E+02	3.58432E+02	2.77859E+02	1.38912E+02	1.17808E+02	4.22026E+01	3.78769E+01	3.74898E+01
228	6	9.37580E+02	3.46586E+02	3.55695E+02	2.75685E+02	1.37795E+02	1.16857E+02	4.18605E+01	3.75723E+01	3.71868E+01
229	6	9.42580E+02	3.43773E+02	3.52972E+02	2.73523E+02	1.36684E+02	1.15910E+02	4.15200E+01	3.72693E+01	3.68855E+01
230	6	9.47580E+02	3.40966E+02	3.50261E+02	2.71372E+02	1.35578E+02	1.14968E+02	4.11810E+01	3.69679E+01	3.65856E+01
231	6	9.52580E+02	3.38163E+02	3.47564E+02	2.69233E+02	1.34477E+02	1.14030E+02	4.08435E+01	3.66681E+01	3.62872E+01
232	6	9.57580E+02	3.35363E+02	3.44879E+02	2.67104E+02	1.33380E+02	1.13095E+02	4.05074E+01	3.63697E+01	3.59903E+01
233	6	9.62580E+02	3.32567E+02	3.42206E+02	2.64986E+02	1.32288E+02	1.12165E+02	4.01727E+01	3.60727E+01	3.56946E+01
234	6	9.67580E+02	3.29774E+02	3.39544E+02	2.62877E+02	1.31200E+02	1.11238E+02	3.98392E+01	3.57771E+01	3.54003E+01
235	6	9.72580E+02	3.26982E+02	3.36893E+02	2.60778E+02	1.30116E+02	1.10314E+02	3.95069E+01	3.54827E+01	3.51071E+01
236	6	9.77580E+02	3.24192E+02	3.34252E+02	2.58687E+02	1.29036E+02	1.09393E+02	3.91758E+01	3.51895E+01	3.48151E+01
237	6	9.82580E+02	3.21402E+02	3.31620E+02	2.56605E+02	1.27959E+02	1.08476E+02	3.88457E+01	3.48975E+01	3.45242E+01
238	6	9.87580E+02	3.18611E+02	3.28998E+02	2.54531E+02	1.26886E+02	1.07561E+02	3.85165E+01	3.46065E+01	3.42343E+01
239	6	9.92580E+02	3.15820E+02	3.26383E+02	2.52464E+02	1.25815E+02	1.06649E+02	3.81882E+01	3.43165E+01	3.39453E+01
240	6	9.97580E+02	3.13027E+02	3.23776E+02	2.50404E+02	1.24747E+02	1.05738E+02	3.78607E+01	3.40275E+01	3.36572E+01
241	6	1.00258E+03	3.10230E+02	3.21176E+02	2.48350E+02	1.23681E+02	1.04830E+02	3.75339E+01	3.37392E+01	3.33698E+01
242	6	1.00758E+03	3.07430E+02	3.18582E+02	2.46302E+02	1.22618E+02	1.03923E+02	3.72077E+01	3.34517E+01	3.30831E+01
243	6	1.01258E+03	3.04626E+02	3.15994E+02	2.44258E+02	1.21556E+02	1.03018E+02	3.68820E+01	3.31649E+01	3.27970E+01
244	6	1.01758E+03	3.01815E+02	3.13410E+02	2.42220E+02	1.20495E+02	1.02114E+02	3.65566E+01	3.28786E+01	3.25114E+01
245	6	1.02258E+03	2.98997E+02	3.10830E+02	2.40184E+02	1.19435E+02	1.01211E+02	3.62316E+01	3.25928E+01	3.22263E+01
246	6	1.02758E+03	2.96171E+02	3.08253E+02	2.38152E+02	1.18376E+02	1.00308E+02	3.59067E+01	3.23074E+01	3.19414E+01
247	6	1.03258E+03	2.93335E+02	3.05678E+02	2.36123E+02	1.17317E+02	9.94056E+01	3.55818E+01	3.20222E+01	3.16567E+01
248	6	1.03758E+03	2.90489E+02	3.03105E+02	2.34094E+02	1.16258E+02	9.85028E+01	3.52569E+01	3.17372E+01	3.13721E+01
249	6	1.04258E+03	2.87630E+02	3.00531E+02	2.32067E+02	1.15198E+02	9.75993E+01	3.49317E+01	3.14522E+01	3.10875E+01
250	6	1.04758E+03	2.84758E+02	2.97956E+02	2.30039E+02	1.14137E+02	9.66948E+01	3.46061E+01	3.11671E+01	3.08027E+01
251	6	1.05258E+03	2.81869E+02	2.95379E+02	2.28010E+02	1.13075E+02	9.57889E+01	3.42800E+01	3.08818E+01	3.05177E+01
252	6	1.05758E+03	2.78964E+02	2.92799E+02	2.25980E+02	1.12010E+02	9.48811E+01	3.39532E+01	3.05961E+01	3.02322E+01
253	6	1.06258E+03	2.76039E+02	2.90215E+02	2.23946E+02	1.10942E+02	9.39709E+01	3.36255E+01	3.03100E+01	2.99461E+01
254	6	1.06758E+03	2.73094E+02	2.87625E+02	2.21908E+02	1.09871E+02	9.30579E+01	3.32967E+01	3.00231E+01	2.96593E+01
255	6	1.07258E+03	2.70125E+02	2.85027E+02	2.19864E+02	1.08796E+02	9.21414E+01	3.29667E+01	2.97355E+01	2.93715E+01
256	6	1.07758E+03	2.67130E+02	2.82421E+02	2.17815E+02	1.07717E+02	9.12208E+01	3.26352E+01	2.94468E+01	2.90827E+01
257	6	1.08258E+03	2.64107E+02	2.79804E+02	2.15757E+02	1.06632E+02	9.02956E+01	3.23020E+01	2.91569E+01	2.87925E+01
258	6	1.08758E+03	2.61053E+02	2.77175E+02	2.13690E+02	1.05541E+02	8.93651E+01	3.19669E+01	2.88656E+01	2.85009E+01

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 TOTAL FLUX - G=GROUP NO. N= 40

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	8.09931E-01	4.49440E-03	6.61516E+00	8.01334E-02	7.73657E-02	2.97524E-03	1.07007E-04	7.20270E-03
2	1	1.00000E+00	8.09968E-01	4.49460E-03	6.61588E+00	8.02229E-02	7.74226E-02	2.98284E-03	1.07299E-04	7.19636E-03
3	1	2.67567E+00	8.10210E-01	4.49590E-03	6.67079E+00	8.09012E-02	7.87786E-02	3.03674E-03	1.10053E-04	7.21106E-03
4	1	5.02700E+00	8.10821E-01	4.49916E-03	6.81476E+00	8.26344E-02	8.23170E-02	3.17254E-03	1.17069E-04	7.26530E-03
5	1	7.37833E+00	8.11835E-01	4.50457E-03	7.04834E+00	8.54553E-02	8.81613E-02	3.39678E-03	1.28874E-04	7.36419E-03
6	1	9.72967E+00	8.13308E-01	4.51246E-03	7.37379E+00	8.93952E-02	9.65163E-02	3.71852E-03	1.46342E-04	7.51023E-03
7	1	1.20810E+01	8.15326E-01	4.52326E-03	7.79704E+00	9.45206E-02	1.07728E-01	4.15143E-03	1.70844E-04	7.71041E-03
8	1	1.44323E+01	8.18002E-01	4.53766E-03	8.32540E+00	1.00924E-01	1.22282E-01	4.71454E-03	2.04380E-04	7.97541E-03
9	1	1.67837E+01	8.21495E-01	4.55643E-03	8.96935E+00	1.08730E-01	1.40819E-01	5.43315E-03	2.49791E-04	8.31999E-03
10	1	1.91350E+01	8.26003E-01	4.58080E-03	9.74156E+00	1.18090E-01	1.64165E-01	6.34019E-03	3.11084E-04	8.76373E-03
11	1	2.14863E+01	8.31810E-01	4.61213E-03	1.06572E+01	1.29191E-01	1.93372E-01	7.47813E-03	3.93895E-04	9.33234E-03
12	1	2.38377E+01	8.39254E-01	4.65258E-03	1.17348E+01	1.42251E-01	2.29776E-01	8.90163E-03	5.06163E-04	1.00593E-02
13	1	2.61890E+01	8.48854E-01	4.70455E-03	1.29947E+01	1.57525E-01	2.75068E-01	1.06812E-02	6.59100E-04	1.09882E-02
14	1	2.85403E+01	8.61179E-01	4.77184E-03	1.44623E+01	1.75318E-01	3.31383E-01	1.29078E-02	8.68591E-04	1.21758E-02
15	1	3.08917E+01	8.77242E-01	4.85908E-03	1.61674E+01	1.95990E-01	4.01395E-01	1.57004E-02	1.15726E-03	1.36964E-02
16	1	3.32430E+01	8.97986E-01	4.97287E-03	1.81447E+01	2.19963E-01	4.88504E-01	1.92157E-02	1.55743E-03	1.56467E-02
17	1	3.55943E+01	9.25529E-01	5.12283E-03	2.04350E+01	2.47732E-01	5.97001E-01	2.36633E-02	2.11546E-03	1.81513E-02
18	1	3.79457E+01	9.61327E-01	5.32007E-03	2.30852E+01	2.79864E-01	7.32322E-01	2.89825E-02	2.89825E-03	2.13572E-02
19	1	4.02970E+01	1.01017E+00	5.58657E-03	2.61510E+01	3.17048E-01	9.01309E-01	3.66077E-02	4.00260E-03	2.55274E-02
20	1	4.26483E+01	1.07382E+00	5.93862E-03	2.96976E+01	3.60047E-01	1.11272E+00	4.60658E-02	5.56925E-03	3.08839E-02
21	1	4.49997E+01	1.16403E+00	6.43168E-03	3.38014E+01	4.09856E-01	1.37769E+00	5.85300E-02	7.80397E-03	3.79407E-02
22	1	4.73510E+01	1.28068E+00	7.07913E-03	3.85515E+01	4.67429E-01	1.71050E+00	7.52459E-02	1.10087E-02	4.73197E-02
23	1	4.97023E+01	1.45503E+00	8.03357E-03	4.40554E+01	5.34417E-01	2.12935E+00	9.81467E-02	1.56293E-02	5.96338E-02
24	1	5.20537E+01	1.67460E+00	9.25547E-03	5.04378E+01	6.11699E-01	2.65784E+00	1.30324E-01	2.23275E-02	7.59585E-02
25	1	5.44050E+01	2.02858E+00	1.11971E-02	5.78473E+01	7.03089E-01	3.32653E+00	1.76870E-01	3.20921E-02	9.78222E-02
26	1	5.67563E+01	2.44977E+00	1.35435E-02	6.64619E+01	8.07918E-01	4.17537E+00	2.46407E-01	4.64116E-02	1.27382E-01
27	1	5.91077E+01	3.21033E+00	1.77445E-02	7.64957E+01	9.41426E-01	5.25704E+00	3.53958E-01	6.75450E-02	1.67732E-01
28	1	6.14590E+01	4.04171E+00	2.23773E-02	8.82190E+01	1.09837E+00	6.64224E+00	5.26460E-01	9.89581E-02	2.23587E-01
29	1	6.38103E+01	5.89756E+00	3.36995E-02	1.01968E+02	1.37655E+00	8.42817E+00	8.13875E-01	1.46033E-01	3.02750E-01
30	1	6.61617E+01	8.38319E+00	5.72696E-02	1.18202E+02	1.83028E+00	1.07563E+01	1.31122E+00	2.17270E-01	4.19729E-01
31	1	6.85130E+01	1.84880E+01	3.69034E-01	1.37622E+02	3.39349E+00	1.38552E+01	2.20532E+00	3.26589E-01	6.06237E-01
32	1	7.08643E+01	6.92056E+01	6.36323E+00	1.61513E+02	8.76381E+00	1.81683E+01	3.96535E+00	5.03596E-01	9.34651E-01
33	1	7.27900E+01	2.34141E+02	4.53957E+01	1.85234E+02	2.39326E+01	2.29480E+01	6.78577E+00	7.30705E-01	1.40762E+00
34	1	7.37900E+01	4.64943E+02	1.25599E+02	1.99598E+02	4.41927E+01	2.60911E+01	9.31023E+00	8.99625E-01	1.79318E+00
0										
35	2	7.43575E+01	8.05433E+02	2.68309E+02	2.54462E+02	8.12651E+01	3.63644E+01	1.52146E+01	1.38966E+00	2.20812E+00
36	2	7.49925E+01	1.22382E+03	4.42436E+02	3.52732E+02	1.30950E+02	5.40741E+01	2.42775E+01	2.20285E+00	2.63312E+00
37	2	7.56275E+01	1.58101E+03	5.90581E+02	4.45568E+02	1.72889E+02	7.03549E+01	3.21829E+01	2.94181E+00	2.87132E+00
38	2	7.62625E+01	1.91209E+03	7.28420E+02	5.34703E+02	2.12108E+02	8.59032E+01	3.97303E+01	3.66730E+00	3.14858E+00
0										
39	3	7.68300E+01	2.07172E+03	7.94950E+02	5.78445E+02	2.31101E+02	9.35344E+01	4.34288E+01	4.03059E+00	3.35018E+00
40	3	7.73300E+01	2.07257E+03	7.95309E+02	5.78669E+02	2.31202E+02	9.35750E+01	4.34480E+01	4.03254E+00	3.40619E+00
41	3	7.78300E+01	2.07303E+03	7.95506E+02	5.78784E+02	2.31257E+02	9.35969E+01	4.34584E+01	4.03366E+00	3.46375E+00
0										
42	4	7.83300E+01	2.21068E+03	8.52614E+02	6.17040E+02	2.47601E+02	1.00217E+02	4.66644E+01	4.35052E+00	3.57874E+00
43	4	7.88300E+01	2.47225E+03	9.60704E+02	6.89866E+02	2.78539E+02	1.12749E+02	5.27286E+01	4.94303E+00	3.59109E+00
44	4	7.93300E+01	2.70326E+03	1.05510E+03	7.54061E+02	3.05590E+02	1.23701E+02	5.80299E+01	5.45170E+00	3.31786E+00
45	4	7.98300E+01	2.90038E+03	1.13391E+03	8.07961E+02	3.28229E+02	1.32814E+02	6.24828E+01	5.86897E+00	2.77920E+00
0										
46	5	8.03300E+01	3.04699E+03	1.19153E+03	8.47577E+02	3.44893E+02	1.39462E+02	6.57805E+01	6.16935E+00	2.12032E+00
47	5	8.10800E+01	3.16963E+03	1.24047E+03	8.81545E+02	3.59253E+02	1.45222E+02	6.86508E+01	6.43217E+00	1.44507E+00
48	5	8.20800E+01	3.23757E+03	1.27013E+03	9.02642E+02	3.68401E+02	1.48938E+02	7.05348E+01	6.60748E+00	9.21828E-01
49	5	8.30800E+01	3.18262E+03	1.25305E+03	8.91562E+02	3.64331E+02	1.47354E+02	6.98628E+01	6.54559E+00	6.54230E-01
50	5	8.40800E+01	3.01379E+03	1.19147E+03	8.49314E+02	3.47478E+02	1.40613E+02	6.67174E+01	6.25217E+00	4.87329E-01
51	5	8.50800E+01	2.74368E+03	1.08921E+03	7.78077E+02	3.18691E+02	1.29037E+02	6.12576E+01	5.74126E+00	3.71348E-01
52	5	8.60800E+01	2.38717E+03	9.51310E+02	6.81003E+02	2.79211E+02	1.13110E+02	5.37127E+01	5.03361E+00	2.86376E-01
53	5	8.70800E+01	1.95999E+03	7.83564E+02	5.61959E+02	2.30578E+02	9.34489E+01	4.43754E+01	4.15657E+00	2.22340E-01

54	5	8.80800E+01	1.47828E+03	5.92294E+02	4.25354E+02	1.74578E+02	7.07708E+01	3.35800E+01	3.13944E+00	1.73165E-01
55	5	8.90800E+01	9.54144E+02	3.82617E+02	2.74973E+02	1.12791E+02	4.57373E+01	2.16503E+01	2.01385E+00	1.34855E-01
56	5	8.98300E+01	5.18254E+02	2.07606E+02	1.49238E+02	6.10930E+01	2.48107E+01	1.16753E+01	1.07351E+00	1.11025E-01
0										
57	6	9.03300E+01	3.51614E+02	1.40606E+02	1.01081E+02	4.12928E+01	1.68067E+01	7.85954E+00	7.14234E-01	1.03715E-01
58	6	9.10800E+01	3.44689E+02	1.37847E+02	9.91072E+01	4.04929E+01	1.64877E+01	7.71238E+00	7.01617E-01	1.02794E-01
59	6	9.25800E+01	3.32480E+02	1.32985E+02	9.56284E+01	3.90828E+01	1.59254E+01	7.45297E+00	6.79372E-01	1.01088E-01
60	6	9.55800E+01	3.12774E+02	1.25137E+02	9.00135E+01	3.68070E+01	1.50176E+01	7.03417E+00	6.43444E-01	9.80937E-02
61	6	1.00236E+02	2.89170E+02	1.15737E+02	8.32890E+01	3.40812E+01	1.39297E+01	6.53230E+00	6.00346E-01	9.41198E-02
62	6	1.05549E+02	2.68654E+02	1.07566E+02	7.74446E+01	3.17118E+01	1.29834E+01	6.09565E+00	5.62787E-01	9.02784E-02
63	6	1.10861E+02	2.52453E+02	1.01113E+02	7.28289E+01	2.98401E+01	1.22352E+01	5.75031E+00	5.33018E-01	8.69808E-02
64	6	1.16174E+02	2.38922E+02	9.57229E+01	6.89735E+01	2.82764E+01	1.16096E+01	5.46145E+00	5.08063E-01	8.40753E-02
65	6	1.21486E+02	2.27264E+02	9.10783E+01	6.56509E+01	2.69284E+01	1.10699E+01	5.21218E+00	4.86483E-01	8.14755E-02
66	6	1.26799E+02	2.17021E+02	8.69969E+01	6.27308E+01	2.57434E+01	1.05952E+01	4.99281E+00	4.67453E-01	7.91241E-02
67	6	1.32111E+02	2.07898E+02	8.33610E+01	6.01294E+01	2.46875E+01	1.01718E+01	4.79711E+00	4.50444E-01	7.69802E-02
68	6	1.37424E+02	1.99688E+02	8.00888E+01	5.77877E+01	2.37368E+01	9.79044E+00	4.62074E+00	4.35085E-01	7.50123E-02
69	6	1.42580E+02	1.92439E+02	7.71994E+01	5.57199E+01	2.28971E+01	9.45335E+00	4.46480E+00	4.21480E-01	7.32457E-02
70	6	1.47580E+02	1.86004E+02	7.46341E+01	5.38836E+01	2.21513E+01	9.15377E+00	4.32615E+00	4.09363E-01	7.16537E-02
71	6	1.52580E+02	1.80066E+02	7.22662E+01	5.21886E+01	2.14626E+01	8.87701E+00	4.19802E+00	3.98145E-01	7.01654E-02
72	6	1.57580E+02	1.74561E+02	7.00709E+01	5.06168E+01	2.08240E+01	8.62017E+00	4.07908E+00	3.87714E-01	6.87691E-02
73	6	1.62580E+02	1.69437E+02	6.80277E+01	4.91538E+01	2.02293E+01	8.38091E+00	3.96823E+00	3.77976E-01	6.74552E-02
74	6	1.67580E+02	1.64653E+02	6.61193E+01	4.77871E+01	1.96738E+01	8.15724E+00	3.86457E+00	3.68855E-01	6.62156E-02
75	6	1.72580E+02	1.60171E+02	6.43313E+01	4.65065E+01	1.91531E+01	7.94749E+00	3.76733E+00	3.60285E-01	6.50430E-02
76	6	1.77580E+02	1.55960E+02	6.26515E+01	4.53032E+01	1.86637E+01	7.75025E+00	3.67585E+00	3.52210E-01	6.39313E-02
77	6	1.82580E+02	1.51995E+02	6.10691E+01	4.41696E+01	1.82026E+01	7.56429E+00	3.58958E+00	3.44583E-01	6.28751E-02
78	6	1.87580E+02	1.48251E+02	5.95752E+01	4.30992E+01	1.77671E+01	7.38857E+00	3.50802E+00	3.37360E-01	6.18696E-02
79	6	1.92580E+02	1.44709E+02	5.81616E+01	4.20862E+01	1.73549E+01	7.22215E+00	3.43076E+00	3.30508E-01	6.09108E-02
80	6	1.97580E+02	1.41352E+02	5.68216E+01	4.11258E+01	1.69640E+01	7.06425E+00	3.35742E+00	3.23993E-01	5.99948E-02
81	6	2.02580E+02	1.38164E+02	5.55488E+01	4.02135E+01	1.65926E+01	6.91414E+00	3.28769E+00	3.17788E-01	5.91184E-02
82	6	2.07580E+02	1.35131E+02	5.43379E+01	3.93454E+01	1.62391E+01	6.77120E+00	3.22126E+00	3.11868E-01	5.82787E-02
83	6	2.12580E+02	1.32241E+02	5.31840E+01	3.85181E+01	1.59021E+01	6.63489E+00	3.15788E+00	3.06212E-01	5.74731E-02
84	6	2.17580E+02	1.29484E+02	5.20829E+01	3.77285E+01	1.55805E+01	6.50468E+00	3.09732E+00	3.00799E-01	5.66990E-02
85	6	2.22580E+02	1.26849E+02	5.10307E+01	3.69738E+01	1.52730E+01	6.38015E+00	3.03939E+00	2.95613E-01	5.59545E-02
86	6	2.27580E+02	1.24329E+02	5.00239E+01	3.62516E+01	1.49787E+01	6.26089E+00	2.98388E+00	2.90637E-01	5.52374E-02
87	6	2.32580E+02	1.21914E+02	4.90593E+01	3.55597E+01	1.46966E+01	6.14653E+00	2.93064E+00	2.85856E-01	5.45462E-02
88	6	2.37580E+02	1.19599E+02	4.81342E+01	3.48959E+01	1.44260E+01	6.03675E+00	2.87951E+00	2.81258E-01	5.38791E-02
89	6	2.42580E+02	1.17376E+02	4.72458E+01	3.42584E+01	1.41661E+01	5.93126E+00	2.83036E+00	2.76832E-01	5.32347E-02
90	6	2.47580E+02	1.15239E+02	4.63920E+01	3.36457E+01	1.39162E+01	5.82977E+00	2.78306E+00	2.72566E-01	5.26116E-02
91	6	2.52580E+02	1.13184E+02	4.55706E+01	3.30560E+01	1.36756E+01	5.73204E+00	2.73749E+00	2.68450E-01	5.20086E-02
92	6	2.57580E+02	1.11205E+02	4.47795E+01	3.24881E+01	1.34439E+01	5.63785E+00	2.69356E+00	2.64476E-01	5.14246E-02
93	6	2.62580E+02	1.09298E+02	4.40170E+01	3.19406E+01	1.32205E+01	5.54697E+00	2.65116E+00	2.60635E-01	5.08585E-02
94	6	2.67580E+02	1.07458E+02	4.32815E+01	3.14124E+01	1.30049E+01	5.45924E+00	2.61021E+00	2.56920E-01	5.03093E-02
95	6	2.72580E+02	1.05682E+02	4.25713E+01	3.09024E+01	1.27966E+01	5.37446E+00	2.57063E+00	2.53323E-01	4.97762E-02
96	6	2.77580E+02	1.03967E+02	4.18851E+01	3.04095E+01	1.25954E+01	5.29247E+00	2.53234E+00	2.49839E-01	4.92582E-02
97	6	2.82580E+02	1.02308E+02	4.12217E+01	2.99329E+01	1.24007E+01	5.21313E+00	2.49526E+00	2.46461E-01	4.87547E-02
98	6	2.87580E+02	1.00703E+02	4.05797E+01	2.94716E+01	1.22122E+01	5.13629E+00	2.45935E+00	2.43183E-01	4.82649E-02
99	6	2.92580E+02	9.91492E+01	3.99581E+01	2.90249E+01	1.20297E+01	5.06183E+00	2.42453E+00	2.40002E-01	4.77881E-02
100	6	2.97580E+02	9.76440E+01	3.93558E+01	2.85921E+01	1.18528E+01	4.98961E+00	2.39075E+00	2.36910E-01	4.73238E-02
101	6	3.02580E+02	9.61848E+01	3.87719E+01	2.81723E+01	1.16812E+01	4.91954E+00	2.35797E+00	2.33906E-01	4.68713E-02
102	6	3.07580E+02	9.47694E+01	3.82055E+01	2.77651E+01	1.15147E+01	4.85151E+00	2.32612E+00	2.30983E-01	4.64301E-02
103	6	3.12580E+02	9.33957E+01	3.76557E+01	2.73697E+01	1.13530E+01	4.78541E+00	2.29517E+00	2.28138E-01	4.59996E-02
104	6	3.17580E+02	9.20617E+01	3.71217E+01	2.69857E+01	1.11959E+01	4.72117E+00	2.26507E+00	2.25368E-01	4.55795E-02
105	6	3.22580E+02	9.07656E+01	3.66028E+01	2.66125E+01	1.10432E+01	4.65868E+00	2.23579E+00	2.22669E-01	4.51692E-02
106	6	3.27580E+02	8.95056E+01	3.60983E+01	2.62496E+01	1.08947E+01	4.59788E+00	2.20729E+00	2.20039E-01	4.47684E-02
107	6	3.32580E+02	8.82801E+01	3.56075E+01	2.58965E+01	1.07502E+01	4.53868E+00	2.17953E+00	2.17473E-01	4.43766E-02
108	6	3.37580E+02	8.70876E+01	3.51299E+01	2.55528E+01	1.06095E+01	4.48102E+00	2.15248E+00	2.14969E-01	4.39935E-02
109	6	3.42580E+02	8.59266E+01	3.46649E+01	2.52181E+01	1.04725E+01	4.42483E+00	2.12611E+00	2.12525E-01	4.36186E-02
110	6	3.47580E+02	8.47959E+01	3.42119E+01	2.48921E+01	1.03389E+01	4.37004E+00	2.10039E+00	2.10138E-01	4.32517E-02
111	6	3.52580E+02	8.36940E+01	3.37705E+01	2.45743E+01	1.02088E+01	4.31661E+00	2.07530E+00	2.07805E-01	4.28925E-02
112	6	3.57580E+02	8.26199E+01	3.33401E+01	2.42644E+01	1.00818E+01	4.26447E+00	2.05080E+00	2.05525E-01	4.25407E-02

113	6	3.62580E+02	8.15723E+01	3.29203E+01	2.39621E+01	9.95791E+00	4.21357E+00	2.02688E+00	2.03295E-01	4.21959E-02
114	6	3.67580E+02	8.05502E+01	3.25107E+01	2.36671E+01	9.83698E+00	4.16386E+00	2.00351E+00	2.01114E-01	4.18580E-02
115	6	3.72580E+02	7.95527E+01	3.21108E+01	2.33790E+01	9.71889E+00	4.11529E+00	1.98066E+00	1.98979E-01	4.15266E-02
116	6	3.77580E+02	7.85787E+01	3.17204E+01	2.30977E+01	9.60353E+00	4.06782E+00	1.95833E+00	1.96889E-01	4.12015E-02
117	6	3.82580E+02	7.76273E+01	3.13389E+01	2.28229E+01	9.49080E+00	4.02141E+00	1.93649E+00	1.94841E-01	4.08825E-02
118	6	3.87580E+02	7.66977E+01	3.09662E+01	2.25542E+01	9.38060E+00	3.97602E+00	1.91511E+00	1.92835E-01	4.05694E-02
119	6	3.92580E+02	7.57890E+01	3.06018E+01	2.22916E+01	9.27283E+00	3.93160E+00	1.89419E+00	1.90869E-01	4.02620E-02
120	6	3.97580E+02	7.49005E+01	3.02455E+01	2.20347E+01	9.16740E+00	3.88813E+00	1.87371E+00	1.88942E-01	3.99600E-02
121	6	4.02580E+02	7.40315E+01	2.98969E+01	2.17834E+01	9.06423E+00	3.84557E+00	1.85365E+00	1.87051E-01	3.96634E-02
122	6	4.07580E+02	7.31812E+01	2.95558E+01	2.15374E+01	8.96323E+00	3.80389E+00	1.83399E+00	1.85196E-01	3.93718E-02
123	6	4.12580E+02	7.23490E+01	2.92219E+01	2.12966E+01	8.86433E+00	3.76305E+00	1.81472E+00	1.83376E-01	3.90852E-02
124	6	4.17580E+02	7.15342E+01	2.88950E+01	2.10607E+01	8.76746E+00	3.72303E+00	1.79584E+00	1.81589E-01	3.88034E-02
125	6	4.22580E+02	7.07363E+01	2.85748E+01	2.08297E+01	8.67255E+00	3.68380E+00	1.77732E+00	1.79834E-01	3.85262E-02
126	6	4.27580E+02	6.99546E+01	2.82611E+01	2.06033E+01	8.57952E+00	3.64533E+00	1.75915E+00	1.78110E-01	3.82535E-02
127	6	4.32580E+02	6.91887E+01	2.79536E+01	2.03814E+01	8.48832E+00	3.60759E+00	1.74132E+00	1.76417E-01	3.79851E-02
128	6	4.37580E+02	6.84379E+01	2.76522E+01	2.01639E+01	8.39888E+00	3.57057E+00	1.72382E+00	1.74752E-01	3.77209E-02
129	6	4.42580E+02	6.77018E+01	2.73567E+01	1.99505E+01	8.31115E+00	3.53423E+00	1.70664E+00	1.73116E-01	3.74608E-02
130	6	4.47580E+02	6.69800E+01	2.70668E+01	1.97412E+01	8.22507E+00	3.49856E+00	1.68977E+00	1.71507E-01	3.72046E-02
131	6	4.52580E+02	6.62718E+01	2.67825E+01	1.95358E+01	8.14058E+00	3.46354E+00	1.67320E+00	1.69924E-01	3.69523E-02
132	6	4.57580E+02	6.55770E+01	2.65034E+01	1.93343E+01	8.05765E+00	3.42914E+00	1.65691E+00	1.68367E-01	3.67037E-02
133	6	4.62580E+02	6.48951E+01	2.62295E+01	1.91364E+01	7.97621E+00	3.39535E+00	1.64091E+00	1.66834E-01	3.64587E-02
134	6	4.67580E+02	6.42257E+01	2.59606E+01	1.89421E+01	7.89623E+00	3.36214E+00	1.62518E+00	1.65326E-01	3.62172E-02
135	6	4.72580E+02	6.35683E+01	2.56965E+01	1.87512E+01	7.81765E+00	3.32950E+00	1.60971E+00	1.63841E-01	3.59791E-02
136	6	4.77580E+02	6.29227E+01	2.54370E+01	1.85637E+01	7.74044E+00	3.29741E+00	1.59450E+00	1.62379E-01	3.57442E-02
137	6	4.82580E+02	6.22885E+01	2.51822E+01	1.83795E+01	7.66455E+00	3.26585E+00	1.57953E+00	1.60938E-01	3.55127E-02
138	6	4.87580E+02	6.16654E+01	2.49317E+01	1.81984E+01	7.58994E+00	3.23482E+00	1.56481E+00	1.59519E-01	3.52842E-02
139	6	4.92580E+02	6.10529E+01	2.46855E+01	1.80204E+01	7.51658E+00	3.20428E+00	1.55031E+00	1.58120E-01	3.50588E-02
140	6	4.97580E+02	6.04508E+01	2.44435E+01	1.78453E+01	7.44443E+00	3.17424E+00	1.53605E+00	1.56742E-01	3.48363E-02
141	6	5.02580E+02	5.98589E+01	2.42055E+01	1.76731E+01	7.37345E+00	3.14467E+00	1.52200E+00	1.55383E-01	3.46167E-02
142	6	5.07580E+02	5.92767E+01	2.39714E+01	1.75038E+01	7.30362E+00	3.11556E+00	1.50817E+00	1.54043E-01	3.43999E-02
143	6	5.12580E+02	5.87041E+01	2.37411E+01	1.73371E+01	7.23489E+00	3.08690E+00	1.49455E+00	1.52721E-01	3.41859E-02
144	6	5.17580E+02	5.81408E+01	2.35145E+01	1.71732E+01	7.16725E+00	3.05868E+00	1.48113E+00	1.51418E-01	3.39744E-02
145	6	5.22580E+02	5.75864E+01	2.32916E+01	1.70117E+01	7.10065E+00	3.03088E+00	1.46790E+00	1.50131E-01	3.37656E-02
146	6	5.27580E+02	5.70408E+01	2.30721E+01	1.68528E+01	7.03507E+00	3.00349E+00	1.45487E+00	1.48862E-01	3.35593E-02
147	6	5.32580E+02	5.65038E+01	2.28560E+01	1.66964E+01	6.97048E+00	2.97651E+00	1.44202E+00	1.47609E-01	3.33554E-02
148	6	5.37580E+02	5.59750E+01	2.26432E+01	1.65423E+01	6.90686E+00	2.94991E+00	1.42935E+00	1.46373E-01	3.31540E-02
149	6	5.42580E+02	5.54543E+01	2.24337E+01	1.63905E+01	6.84417E+00	2.92369E+00	1.41686E+00	1.45152E-01	3.29548E-02
150	6	5.47580E+02	5.49414E+01	2.22272E+01	1.62409E+01	6.78240E+00	2.89785E+00	1.40454E+00	1.43946E-01	3.27580E-02
151	6	5.52580E+02	5.44362E+01	2.20239E+01	1.60936E+01	6.72152E+00	2.87236E+00	1.39239E+00	1.42755E-01	3.25633E-02
152	6	5.57580E+02	5.39384E+01	2.18235E+01	1.59483E+01	6.66151E+00	2.84722E+00	1.38040E+00	1.41578E-01	3.23708E-02
153	6	5.62580E+02	5.34479E+01	2.16260E+01	1.58052E+01	6.60233E+00	2.82243E+00	1.36857E+00	1.40416E-01	3.21805E-02
154	6	5.67580E+02	5.29645E+01	2.14313E+01	1.56640E+01	6.54399E+00	2.79797E+00	1.35689E+00	1.39267E-01	3.19922E-02
155	6	5.72580E+02	5.24879E+01	2.12394E+01	1.55249E+01	6.48644E+00	2.77383E+00	1.34536E+00	1.38132E-01	3.18059E-02
156	6	5.77580E+02	5.20181E+01	2.10501E+01	1.53876E+01	6.42968E+00	2.75001E+00	1.33398E+00	1.37010E-01	3.16215E-02
157	6	5.82580E+02	5.15547E+01	2.08635E+01	1.52522E+01	6.37368E+00	2.72650E+00	1.32274E+00	1.35900E-01	3.14391E-02
158	6	5.87580E+02	5.10978E+01	2.06794E+01	1.51187E+01	6.31842E+00	2.70329E+00	1.31164E+00	1.34803E-01	3.12586E-02
159	6	5.92580E+02	5.06471E+01	2.04978E+01	1.49869E+01	6.26388E+00	2.68037E+00	1.30068E+00	1.33718E-01	3.10799E-02
160	6	5.97580E+02	5.02025E+01	2.03186E+01	1.48569E+01	6.21006E+00	2.65774E+00	1.28985E+00	1.32645E-01	3.09030E-02
161	6	6.02580E+02	4.97638E+01	2.01418E+01	1.47286E+01	6.15692E+00	2.63539E+00	1.27915E+00	1.31584E-01	3.07278E-02
162	6	6.07580E+02	4.93309E+01	1.99674E+01	1.46019E+01	6.10445E+00	2.61331E+00	1.26858E+00	1.30533E-01	3.05543E-02
163	6	6.12580E+02	4.89036E+01	1.97951E+01	1.44768E+01	6.05265E+00	2.59150E+00	1.25813E+00	1.29494E-01	3.03825E-02
164	6	6.17580E+02	4.84818E+01	1.96251E+01	1.43533E+01	6.00148E+00	2.56994E+00	1.24780E+00	1.28465E-01	3.02124E-02
165	6	6.22580E+02	4.80654E+01	1.94572E+01	1.42314E+01	5.95094E+00	2.54864E+00	1.23759E+00	1.27447E-01	3.00438E-02
166	6	6.27580E+02	4.76543E+01	1.92914E+01	1.41109E+01	5.90102E+00	2.52759E+00	1.22749E+00	1.26439E-01	2.98768E-02
167	6	6.32580E+02	4.72483E+01	1.91277E+01	1.39919E+01	5.85169E+00	2.50678E+00	1.21751E+00	1.25442E-01	2.97113E-02
168	6	6.37580E+02	4.68473E+01	1.89659E+01	1.38744E+01	5.80294E+00	2.48621E+00	1.20763E+00	1.24453E-01	2.95474E-02
169	6	6.42580E+02	4.64512E+01	1.88061E+01	1.37582E+01	5.75477E+00	2.46587E+00	1.19787E+00	1.23475E-01	2.93848E-02
170	6	6.47580E+02	4.60599E+01	1.86483E+01	1.36434E+01	5.70715E+00	2.44575E+00	1.18820E+00	1.22506E-01	2.92238E-02
171	6	6.52580E+02	4.56732E+01	1.84923E+01	1.35300E+01	5.66007E+00	2.42586E+00	1.17864E+00	1.21546E-01	2.90641E-02
172	6	6.57580E+02	4.52912E+01	1.83381E+01	1.34179E+01	5.61353E+00	2.40618E+00	1.16918E+00	1.20594E-01	2.89057E-02

173	6	6.62580E+02	4.49136E+01	1.81857E+01	1.33070E+01	5.56751E+00	2.38671E+00	1.15982E+00	1.19652E-01	2.87487E-02
174	6	6.67580E+02	4.45404E+01	1.80351E+01	1.31974E+01	5.52200E+00	2.36745E+00	1.15055E+00	1.18718E-01	2.85931E-02
175	6	6.72580E+02	4.41714E+01	1.78861E+01	1.30890E+01	5.47698E+00	2.34838E+00	1.14138E+00	1.17792E-01	2.84387E-02
176	6	6.77580E+02	4.38067E+01	1.77388E+01	1.29818E+01	5.43246E+00	2.32952E+00	1.13229E+00	1.16875E-01	2.82855E-02
177	6	6.82580E+02	4.34460E+01	1.75932E+01	1.28758E+01	5.38840E+00	2.31085E+00	1.12330E+00	1.15965E-01	2.81336E-02
178	6	6.87580E+02	4.30893E+01	1.74492E+01	1.27709E+01	5.34481E+00	2.29237E+00	1.11439E+00	1.15064E-01	2.79829E-02
179	6	6.92580E+02	4.27365E+01	1.73067E+01	1.26672E+01	5.30168E+00	2.27407E+00	1.10557E+00	1.14169E-01	2.78334E-02
180	6	6.97580E+02	4.23876E+01	1.71657E+01	1.25645E+01	5.25899E+00	2.25595E+00	1.09684E+00	1.13283E-01	2.76850E-02
181	6	7.02580E+02	4.20423E+01	1.70263E+01	1.24629E+01	5.21674E+00	2.23801E+00	1.08818E+00	1.12403E-01	2.75378E-02
182	6	7.07580E+02	4.17008E+01	1.68883E+01	1.23624E+01	5.17492E+00	2.22024E+00	1.07961E+00	1.11531E-01	2.73917E-02
183	6	7.12580E+02	4.13629E+01	1.67517E+01	1.22628E+01	5.13351E+00	2.20264E+00	1.07111E+00	1.10666E-01	2.72466E-02
184	6	7.17580E+02	4.10284E+01	1.66166E+01	1.21643E+01	5.09251E+00	2.18521E+00	1.06269E+00	1.09807E-01	2.71026E-02
185	6	7.22580E+02	4.06974E+01	1.64828E+01	1.20668E+01	5.05191E+00	2.16794E+00	1.05434E+00	1.08956E-01	2.69597E-02
186	6	7.27580E+02	4.03698E+01	1.63504E+01	1.19702E+01	5.01170E+00	2.15082E+00	1.04607E+00	1.08110E-01	2.68178E-02
187	6	7.32580E+02	4.00454E+01	1.62192E+01	1.18746E+01	4.97187E+00	2.13386E+00	1.03787E+00	1.07271E-01	2.66768E-02
188	6	7.37580E+02	3.97243E+01	1.60894E+01	1.17799E+01	4.93242E+00	2.11706E+00	1.02974E+00	1.06439E-01	2.65369E-02
189	6	7.42580E+02	3.94063E+01	1.59608E+01	1.16860E+01	4.89334E+00	2.10040E+00	1.02168E+00	1.05612E-01	2.63979E-02
190	6	7.47580E+02	3.90914E+01	1.58335E+01	1.15931E+01	4.85461E+00	2.08389E+00	1.01369E+00	1.04792E-01	2.62598E-02
191	6	7.52580E+02	3.87795E+01	1.57074E+01	1.15011E+01	4.81623E+00	2.06752E+00	1.00576E+00	1.03977E-01	2.61227E-02
192	6	7.57580E+02	3.84706E+01	1.55824E+01	1.14098E+01	4.77820E+00	2.05129E+00	9.97896E-01	1.03168E-01	2.59864E-02
193	6	7.62580E+02	3.81647E+01	1.54586E+01	1.13194E+01	4.74051E+00	2.03519E+00	9.90095E-01	1.02364E-01	2.58511E-02
194	6	7.67580E+02	3.78615E+01	1.53360E+01	1.12299E+01	4.70315E+00	2.01923E+00	9.82357E-01	1.01566E-01	2.57165E-02
195	6	7.72580E+02	3.75611E+01	1.52144E+01	1.11411E+01	4.66610E+00	2.00340E+00	9.74679E-01	1.00774E-01	2.55829E-02
196	6	7.77580E+02	3.72635E+01	1.50940E+01	1.10531E+01	4.62938E+00	1.98770E+00	9.67060E-01	9.99864E-02	2.54500E-02
197	6	7.82580E+02	3.69685E+01	1.49746E+01	1.09658E+01	4.59296E+00	1.97212E+00	9.59499E-01	9.92041E-02	2.53180E-02
198	6	7.87580E+02	3.66761E+01	1.48562E+01	1.08793E+01	4.55685E+00	1.95667E+00	9.51994E-01	9.84268E-02	2.51868E-02
199	6	7.92580E+02	3.63863E+01	1.47389E+01	1.07936E+01	4.52104E+00	1.94133E+00	9.44545E-01	9.76544E-02	2.50563E-02
200	6	7.97580E+02	3.60990E+01	1.46226E+01	1.07085E+01	4.48551E+00	1.92611E+00	9.37151E-01	9.68868E-02	2.49266E-02
201	6	8.02580E+02	3.58142E+01	1.45072E+01	1.06242E+01	4.45027E+00	1.91101E+00	9.29809E-01	9.61239E-02	2.47976E-02
202	6	8.07580E+02	3.55317E+01	1.43928E+01	1.05405E+01	4.41530E+00	1.89602E+00	9.22519E-01	9.53655E-02	2.46693E-02
203	6	8.12580E+02	3.52516E+01	1.42794E+01	1.04575E+01	4.38061E+00	1.88114E+00	9.15280E-01	9.46116E-02	2.45418E-02
204	6	8.17580E+02	3.49738E+01	1.41669E+01	1.03751E+01	4.34619E+00	1.86637E+00	9.08090E-01	9.38620E-02	2.44150E-02
205	6	8.22580E+02	3.46983E+01	1.40552E+01	1.02934E+01	4.31202E+00	1.85170E+00	9.00949E-01	9.31166E-02	2.42888E-02
206	6	8.27580E+02	3.44250E+01	1.39445E+01	1.02124E+01	4.27811E+00	1.83714E+00	8.93855E-01	9.23754E-02	2.41633E-02
207	6	8.32580E+02	3.41538E+01	1.38346E+01	1.01319E+01	4.24445E+00	1.82267E+00	8.86808E-01	9.16382E-02	2.40384E-02
208	6	8.37580E+02	3.38847E+01	1.37256E+01	1.00520E+01	4.21103E+00	1.80831E+00	8.79805E-01	9.09050E-02	2.39142E-02
209	6	8.42580E+02	3.36177E+01	1.36174E+01	9.97278E+00	4.17785E+00	1.79404E+00	8.72847E-01	9.01756E-02	2.37905E-02
210	6	8.47580E+02	3.33528E+01	1.35099E+01	9.89409E+00	4.14491E+00	1.77986E+00	8.65932E-01	8.94484E-02	2.36675E-02
211	6	8.52580E+02	3.30898E+01	1.34033E+01	9.81596E+00	4.11219E+00	1.76578E+00	8.59060E-01	8.87263E-02	2.35450E-02
212	6	8.57580E+02	3.28287E+01	1.32975E+01	9.73837E+00	4.07969E+00	1.75178E+00	8.52228E-01	8.80079E-02	2.34232E-02
213	6	8.62580E+02	3.25695E+01	1.31924E+01	9.66132E+00	4.04741E+00	1.73787E+00	8.45436E-01	8.72928E-02	2.33018E-02
214	6	8.67580E+02	3.23122E+01	1.30880E+01	9.58480E+00	4.01534E+00	1.72405E+00	8.38683E-01	8.65811E-02	2.31810E-02
215	6	8.72580E+02	3.20567E+01	1.29843E+01	9.50879E+00	3.98348E+00	1.71031E+00	8.31968E-01	8.58727E-02	2.30608E-02
216	6	8.77580E+02	3.18029E+01	1.28814E+01	9.43328E+00	3.95182E+00	1.69665E+00	8.25290E-01	8.51674E-02	2.29410E-02
217	6	8.82580E+02	3.15508E+01	1.27791E+01	9.35825E+00	3.92036E+00	1.68307E+00	8.18648E-01	8.44652E-02	2.28217E-02
218	6	8.87580E+02	3.13005E+01	1.26775E+01	9.28370E+00	3.88909E+00	1.66957E+00	8.12041E-01	8.37659E-02	2.27029E-02
219	6	8.92580E+02	3.10517E+01	1.25766E+01	9.20961E+00	3.85801E+00	1.65614E+00	8.05468E-01	8.30694E-02	2.25846E-02
220	6	8.97580E+02	3.08046E+01	1.24763E+01	9.13597E+00	3.82710E+00	1.64278E+00	7.98928E-01	8.23757E-02	2.24667E-02
221	6	9.02580E+02	3.05590E+01	1.23766E+01	9.06277E+00	3.79637E+00	1.62950E+00	7.92420E-01	8.16846E-02	2.23492E-02
222	6	9.07580E+02	3.03148E+01	1.22775E+01	8.99000E+00	3.76581E+00	1.61628E+00	7.85942E-01	8.09961E-02	2.22322E-02
223	6	9.12580E+02	3.00722E+01	1.21790E+01	8.91763E+00	3.73542E+00	1.60312E+00	7.79495E-01	8.03100E-02	2.21155E-02
224	6	9.17580E+02	2.98310E+01	1.20810E+01	8.84567E+00	3.70519E+00	1.59003E+00	7.73075E-01	7.96262E-02	2.19992E-02
225	6	9.22580E+02	2.95912E+01	1.19836E+01	8.77409E+00	3.67512E+00	1.57700E+00	7.66684E-01	7.89447E-02	2.18833E-02
226	6	9.27580E+02	2.93527E+01	1.18868E+01	8.70289E+00	3.64519E+00	1.56404E+00	7.60320E-01	7.82653E-02	2.17677E-02
227	6	9.32580E+02	2.91155E+01	1.17904E+01	8.63205E+00	3.61541E+00	1.55112E+00	7.53980E-01	7.75878E-02	2.16525E-02
228	6	9.37580E+02	2.88795E+01	1.16945E+01	8.56156E+00	3.58577E+00	1.53826E+00	7.47665E-01	7.69123E-02	2.15375E-02
229	6	9.42580E+02	2.86447E+01	1.15992E+01	8.49141E+00	3.55626E+00	1.52546E+00	7.41373E-01	7.62384E-02	2.14229E-02
230	6	9.47580E+02	2.84111E+01	1.15042E+01	8.42157E+00	3.52688E+00	1.51270E+00	7.35104E-01	7.55662E-02	2.13085E-02
231	6	9.52580E+02	2.81786E+01	1.14097E+01	8.35205E+00	3.49762E+00	1.49999E+00	7.28855E-01	7.48955E-02	2.11943E-02
232	6	9.57580E+02	2.79472E+01	1.13157E+01	8.28282E+00	3.46847E+00	1.48733E+00	7.22625E-01	7.42262E-02	2.10804E-02

233	6	9.62580E+02	2.77168E+01	1.12220E+01	8.21387E+00	3.43944E+00	1.47471E+00	7.16414E-01	7.35581E-02	2.09667E-02
234	6	9.67580E+02	2.74874E+01	1.11287E+01	8.14519E+00	3.41051E+00	1.46212E+00	7.10220E-01	7.28911E-02	2.08532E-02
235	6	9.72580E+02	2.72588E+01	1.10358E+01	8.07675E+00	3.38168E+00	1.44958E+00	7.04041E-01	7.22250E-02	2.07398E-02
236	6	9.77580E+02	2.70312E+01	1.09432E+01	8.00856E+00	3.35294E+00	1.43706E+00	6.97876E-01	7.15597E-02	2.06266E-02
237	6	9.82580E+02	2.68043E+01	1.08509E+01	7.94057E+00	3.32428E+00	1.42458E+00	6.91724E-01	7.08951E-02	2.05135E-02
238	6	9.87580E+02	2.65782E+01	1.07589E+01	7.87279E+00	3.29570E+00	1.41213E+00	6.85583E-01	7.02308E-02	2.04005E-02
239	6	9.92580E+02	2.63528E+01	1.06672E+01	7.80520E+00	3.26718E+00	1.39970E+00	6.79452E-01	6.95669E-02	2.02875E-02
240	6	9.97580E+02	2.61280E+01	1.05757E+01	7.73776E+00	3.23873E+00	1.38729E+00	6.73328E-01	6.89030E-02	2.01746E-02
241	6	1.00258E+03	2.59037E+01	1.04845E+01	7.67048E+00	3.21033E+00	1.37489E+00	6.67210E-01	6.82390E-02	2.00616E-02
242	6	1.00758E+03	2.56800E+01	1.03934E+01	7.60332E+00	3.18198E+00	1.36251E+00	6.61096E-01	6.75747E-02	1.99487E-02
243	6	1.01258E+03	2.54567E+01	1.03025E+01	7.53627E+00	3.15366E+00	1.35014E+00	6.54984E-01	6.69098E-02	1.98356E-02
244	6	1.01758E+03	2.52338E+01	1.02118E+01	7.46929E+00	3.12537E+00	1.33778E+00	6.48873E-01	6.62441E-02	1.97225E-02
245	6	1.02258E+03	2.50112E+01	1.01211E+01	7.40238E+00	3.09709E+00	1.32541E+00	6.42759E-01	6.55774E-02	1.96092E-02
246	6	1.02758E+03	2.47887E+01	1.00305E+01	7.33551E+00	3.06882E+00	1.31305E+00	6.36641E-01	6.49094E-02	1.94958E-02
247	6	1.03258E+03	2.45664E+01	9.93996E+00	7.26864E+00	3.04054E+00	1.30067E+00	6.30515E-01	6.42398E-02	1.93821E-02
248	6	1.03758E+03	2.43441E+01	9.84940E+00	7.20176E+00	3.01225E+00	1.28828E+00	6.24380E-01	6.35683E-02	1.92682E-02
249	6	1.04258E+03	2.41218E+01	9.75881E+00	7.13484E+00	2.98393E+00	1.27587E+00	6.18233E-01	6.28946E-02	1.91539E-02
250	6	1.04758E+03	2.38993E+01	9.66813E+00	7.06784E+00	2.95556E+00	1.26344E+00	6.12071E-01	6.22184E-02	1.90394E-02
251	6	1.05258E+03	2.36765E+01	9.57733E+00	7.00073E+00	2.92714E+00	1.25097E+00	6.05891E-01	6.15392E-02	1.89244E-02
252	6	1.05758E+03	2.34534E+01	9.48637E+00	6.93348E+00	2.89865E+00	1.23847E+00	5.99688E-01	6.08568E-02	1.88089E-02
253	6	1.06258E+03	2.32297E+01	9.39518E+00	6.86605E+00	2.87007E+00	1.22592E+00	5.93461E-01	6.01707E-02	1.86930E-02
254	6	1.06758E+03	2.30054E+01	9.30373E+00	6.79841E+00	2.84139E+00	1.21332E+00	5.87205E-01	5.94804E-02	1.85764E-02
255	6	1.07258E+03	2.27804E+01	9.21195E+00	6.73051E+00	2.81258E+00	1.20066E+00	5.80916E-01	5.87855E-02	1.84593E-02
256	6	1.07758E+03	2.25545E+01	9.11979E+00	6.66230E+00	2.78364E+00	1.18793E+00	5.74589E-01	5.80854E-02	1.83414E-02
257	6	1.08258E+03	2.23275E+01	9.02719E+00	6.59375E+00	2.75453E+00	1.17512E+00	5.68221E-01	5.73797E-02	1.82227E-02
258	6	1.08758E+03	2.20994E+01	8.93408E+00	6.52480E+00	2.72524E+00	1.16223E+00	5.61805E-01	5.66677E-02	1.81032E-02

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 TOTAL FLUX - G=GROUP NO. N= 48

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	2.03783E+01	8.37599E+01	3.25761E+02	5.74092E+02	3.30120E+03	3.52776E+04	2.71876E+06	5.78722E+08
2	1	1.00000E+00	2.03752E+01	8.37545E+01	3.25760E+02	5.74089E+02	3.30119E+03	3.52778E+04	2.71877E+06	5.78723E+08
3	1	2.67567E+00	2.03821E+01	8.37578E+01	3.25719E+02	5.73999E+02	3.30031E+03	3.52751E+04	2.71873E+06	5.78718E+08
4	1	5.02700E+00	2.04073E+01	8.37788E+01	3.25614E+02	5.73770E+02	3.29802E+03	3.52678E+04	2.71860E+06	5.78704E+08
5	1	7.37833E+00	2.04530E+01	8.38209E+01	3.25446E+02	5.73406E+02	3.29436E+03	3.52560E+04	2.71837E+06	5.78679E+08
6	1	9.72967E+00	2.05200E+01	8.38853E+01	3.25219E+02	5.72911E+02	3.28938E+03	3.52396E+04	2.71805E+06	5.78644E+08
7	1	1.20810E+01	2.06108E+01	8.39758E+01	3.24933E+02	5.72287E+02	3.28308E+03	3.52186E+04	2.71762E+06	5.78595E+08
8	1	1.44323E+01	2.07296E+01	8.40985E+01	3.24590E+02	5.71536E+02	3.27546E+03	3.51928E+04	2.71707E+06	5.78532E+08
9	1	1.67837E+01	2.08820E+01	8.42614E+01	3.24193E+02	5.70659E+02	3.26651E+03	3.51621E+04	2.71638E+06	5.78451E+08
10	1	1.91350E+01	2.10755E+01	8.44753E+01	3.23743E+02	5.69660E+02	3.25625E+03	3.51262E+04	2.71552E+06	5.78349E+08
11	1	2.14863E+01	2.13199E+01	8.47542E+01	3.23243E+02	5.68542E+02	3.24467E+03	3.50846E+04	2.71447E+06	5.78219E+08
12	1	2.38377E+01	2.16276E+01	8.51159E+01	3.22697E+02	5.67308E+02	3.23177E+03	3.50369E+04	2.71319E+06	5.78056E+08
13	1	2.61890E+01	2.20148E+01	8.55833E+01	3.22109E+02	5.65964E+02	3.21755E+03	3.49825E+04	2.71162E+06	5.77851E+08
14	1	2.85403E+01	2.25024E+01	8.61857E+01	3.21486E+02	5.64517E+02	3.20200E+03	3.49207E+04	2.70970E+06	5.77593E+08
15	1	3.08917E+01	2.31174E+01	8.69607E+01	3.20836E+02	5.62976E+02	3.18510E+03	3.48505E+04	2.70735E+06	5.77268E+08
16	1	3.32430E+01	2.38947E+01	8.79566E+01	3.20171E+02	5.61352E+02	3.16684E+03	3.47707E+04	2.70445E+06	5.76857E+08
17	1	3.55943E+01	2.48798E+01	8.92360E+01	3.19503E+02	5.59659E+02	3.14719E+03	3.46797E+04	2.70089E+06	5.76336E+08
18	1	3.79457E+01	2.61326E+01	9.08802E+01	3.18854E+02	5.57915E+02	3.12611E+03	3.45756E+04	2.69648E+06	5.75673E+08
19	1	4.02970E+01	2.77316E+01	9.29958E+01	3.18248E+02	5.56144E+02	3.10353E+03	3.44556E+04	2.69100E+06	5.74827E+08
20	1	4.26483E+01	2.97811E+01	9.57223E+01	3.17719E+02	5.54378E+02	3.07936E+03	3.43166E+04	2.68416E+06	5.73743E+08
21	1	4.49997E+01	3.24198E+01	9.92449E+01	3.17314E+02	5.52656E+02	3.05348E+03	3.41540E+04	2.67558E+06	5.72346E+08
22	1	4.73510E+01	3.58316E+01	1.03810E+02	3.17094E+02	5.51030E+02	3.02569E+03	3.39621E+04	2.66476E+06	5.70537E+08
23	1	4.97023E+01	4.02549E+01	1.09749E+02	3.17141E+02	5.49571E+02	2.99575E+03	3.37334E+04	2.65102E+06	5.68181E+08
24	1	5.20537E+01	4.59683E+01	1.17508E+02	3.17568E+02	5.48370E+02	2.96330E+03	3.34576E+04	2.63347E+06	5.65093E+08
25	1	5.44050E+01	5.35992E+01	1.27692E+02	3.18530E+02	5.47551E+02	2.92784E+03	3.31209E+04	2.61089E+06	5.61016E+08
26	1	5.67563E+01	6.38504E+01	1.41095E+02	3.20239E+02	5.47282E+02	2.88864E+03	3.27044E+04	2.58158E+06	5.55589E+08
27	1	5.91077E+01	7.75480E+01	1.58692E+02	3.23002E+02	5.47801E+02	2.84468E+03	3.21817E+04	2.54318E+06	5.48296E+08
28	1	6.14590E+01	9.61636E+01	1.82891E+02	3.27274E+02	5.49459E+02	2.79443E+03	3.15143E+04	2.49226E+06	5.38380E+08
29	1	6.38103E+01	1.22035E+02	2.16673E+02	3.33762E+02	5.52801E+02	2.73549E+03	3.06434E+04	2.42354E+06	5.24676E+08
30	1	6.61617E+01	1.59224E+02	2.64544E+02	3.43709E+02	5.58784E+02	2.66366E+03	2.94676E+04	2.32809E+06	5.05221E+08
31	1	6.85130E+01	2.15829E+02	3.37219E+02	3.59708E+02	5.69389E+02	2.56983E+03	2.77794E+04	2.18756E+06	4.75998E+08

32	1	7.08643E+01	3.11289E+02	4.60395E+02	3.88649E+02	5.89668E+02	2.42558E+03	2.50213E+04	1.95209E+06	4.25436E+08
33	1	7.27900E+01	4.41980E+02	6.29548E+02	4.29441E+02	6.18636E+02	2.23250E+03	2.13451E+04	1.63226E+06	3.54125E+08
34	1	7.37900E+01	5.44043E+02	7.61708E+02	4.61242E+02	6.41205E+02	2.08071E+03	1.85399E+04	1.38542E+06	2.97441E+08
0										
35	2	7.43575E+01	6.65006E+02	9.17325E+02	4.96719E+02	6.63711E+02	1.87789E+03	1.49760E+04	1.06137E+06	2.20900E+08
36	2	7.49925E+01	8.13981E+02	1.09811E+03	5.37219E+02	6.86240E+02	1.62827E+03	1.07555E+04	6.86129E+05	1.34527E+08
37	2	7.56275E+01	9.32997E+02	1.20389E+03	5.59547E+02	6.94450E+02	1.46400E+03	8.24396E+03	4.79823E+05	9.05656E+07
38	2	7.62625E+01	1.07738E+03	1.26239E+03	5.66842E+02	6.91112E+02	1.33814E+03	6.58736E+03	3.52201E+05	6.43635E+07
0										
39	3	7.68300E+01	1.17215E+03	1.28374E+03	5.67564E+02	6.87919E+02	1.28035E+03	5.88640E+03	2.99959E+05	5.38674E+07
40	3	7.73300E+01	1.19178E+03	1.28711E+03	5.69124E+02	6.90557E+02	1.27969E+03	5.84745E+03	2.96994E+05	5.33454E+07
41	3	7.78300E+01	1.21315E+03	1.29064E+03	5.70844E+02	6.93478E+02	1.27953E+03	5.81060E+03	2.94120E+05	5.28375E+07
0										
42	4	7.83300E+01	1.27481E+03	1.29872E+03	5.68575E+02	6.87978E+02	1.24037E+03	5.39137E+03	2.64126E+05	4.69130E+07
43	4	7.88300E+01	1.31744E+03	1.30546E+03	5.60458E+02	6.69191E+02	1.16393E+03	4.66080E+03	2.13226E+05	3.69034E+07
44	4	7.93300E+01	1.24962E+03	1.30251E+03	5.48301E+02	6.39711E+02	1.08831E+03	4.05182E+03	1.73206E+05	2.91938E+07
45	4	7.98300E+01	1.07028E+03	1.29467E+03	5.31445E+02	5.96032E+02	1.00724E+03	3.52411E+03	1.41327E+05	2.31970E+07
0										
46	5	8.03300E+01	8.32936E+02	1.28363E+03	5.11702E+02	5.44685E+02	9.25132E+02	3.07124E+03	1.16175E+05	1.85799E+07
47	5	8.10800E+01	5.86579E+02	1.25084E+03	4.82058E+02	4.83590E+02	8.24108E+02	2.55112E+03	8.87782E+04	1.37102E+07
48	5	8.20800E+01	3.98207E+02	1.18687E+03	4.43135E+02	4.22213E+02	7.14282E+02	2.00805E+03	6.13074E+04	8.97923E+06
49	5	8.30800E+01	3.02864E+02	1.10312E+03	4.03826E+02	3.74296E+02	6.24385E+02	1.60750E+03	4.27390E+04	5.93981E+06
50	5	8.40800E+01	2.41872E+02	1.00471E+03	3.63117E+02	3.31049E+02	5.44638E+02	1.29922E+03	3.00349E+04	3.95844E+06
51	5	8.50800E+01	1.96712E+02	8.94518E+02	3.20764E+02	2.89524E+02	4.70813E+02	1.05402E+03	2.12572E+04	2.65677E+06
52	5	8.60800E+01	1.60335E+02	7.75080E+02	2.76974E+02	2.48708E+02	4.00865E+02	8.53231E+02	1.51360E+04	1.79279E+06
53	5	8.70800E+01	1.29402E+02	6.48817E+02	2.32136E+02	2.08291E+02	3.33703E+02	6.84252E+02	1.08279E+04	1.21591E+06
54	5	8.80800E+01	1.01951E+02	5.17913E+02	1.86630E+02	1.68206E+02	2.68580E+02	5.38028E+02	7.76762E+03	8.28015E+05
55	5	8.90800E+01	7.64433E+01	3.83996E+02	1.40670E+02	1.28350E+02	2.04507E+02	4.06747E+02	5.57057E+03	5.65702E+05
56	5	8.98300E+01	5.77454E+01	2.82510E+02	1.05999E+02	9.85116E+01	1.56413E+02	3.13143E+02	4.28602E+03	4.20424E+05
0										
57	6	9.03300E+01	5.11800E+01	2.46817E+02	9.37519E+01	8.79614E+01	1.39306E+02	2.80768E+02	3.91114E+03	3.80255E+05
58	6	9.10800E+01	5.02589E+01	2.41798E+02	9.18748E+01	8.62361E+01	1.36603E+02	2.76023E+02	3.87424E+03	3.76921E+05
59	6	9.25800E+01	4.86063E+01	2.32884E+02	8.85365E+01	8.31629E+01	1.31786E+02	2.67466E+02	3.80299E+03	3.70450E+05
60	6	9.55800E+01	4.58566E+01	2.18314E+02	8.30680E+01	7.81143E+01	1.23862E+02	2.53103E+02	3.66974E+03	3.58234E+05
61	6	1.00236E+02	4.24386E+01	2.00612E+02	7.64049E+01	7.19405E+01	1.14152E+02	2.35052E+02	3.48116E+03	3.40720E+05
62	6	1.05549E+02	3.93531E+01	1.85024E+02	7.05191E+01	6.64654E+01	1.05521E+02	2.18561E+02	3.28869E+03	3.22575E+05
63	6	1.10861E+02	3.68486E+01	1.72625E+02	6.58259E+01	6.20855E+01	9.86035E+01	2.05042E+02	3.11779E+03	3.06263E+05
64	6	1.16174E+02	3.47260E+01	1.62255E+02	6.18942E+01	5.84088E+01	9.27869E+01	1.93506E+02	2.96478E+03	2.91549E+05
65	6	1.21486E+02	3.28819E+01	1.53329E+02	5.85066E+01	5.52364E+01	8.77617E+01	1.83435E+02	2.82680E+03	2.78213E+05
66	6	1.26799E+02	3.12542E+01	1.45505E+02	5.55349E+01	5.24503E+01	8.33445E+01	1.74512E+02	2.70162E+03	2.66069E+05
67	6	1.32111E+02	2.98008E+01	1.38558E+02	5.28944E+01	4.99727E+01	7.94131E+01	1.66520E+02	2.58745E+03	2.54962E+05
68	6	1.37424E+02	2.84916E+01	1.32327E+02	5.05251E+01	4.77480E+01	7.58808E+01	1.59302E+02	2.48284E+03	2.44762E+05
69	6	1.42580E+02	2.73356E+01	1.26845E+02	4.84398E+01	4.57889E+01	7.27684E+01	1.52915E+02	2.38922E+03	2.35614E+05
70	6	1.47580E+02	2.63100E+01	1.21996E+02	4.65947E+01	4.40546E+01	7.00119E+01	1.47239E+02	2.30519E+03	2.27392E+05
71	6	1.52580E+02	2.53645E+01	1.17537E+02	4.48974E+01	4.24586E+01	6.74742E+01	1.41997E+02	2.22699E+03	2.19731E+05
72	6	1.57580E+02	2.44893E+01	1.13419E+02	4.33294E+01	4.09836E+01	6.51282E+01	1.37138E+02	2.15402E+03	2.12574E+05
73	6	1.62580E+02	2.36762E+01	1.09600E+02	4.18751E+01	3.96153E+01	6.29510E+01	1.32620E+02	2.08575E+03	2.05873E+05
74	6	1.67580E+02	2.29184E+01	1.06046E+02	4.05217E+01	3.83415E+01	6.09239E+01	1.28405E+02	2.02173E+03	1.99582E+05
75	6	1.72580E+02	2.22101E+01	1.02730E+02	3.92583E+01	3.71521E+01	5.90306E+01	1.24461E+02	1.96158E+03	1.93667E+05
76	6	1.77580E+02	2.15463E+01	9.96260E+01	3.80756E+01	3.60384E+01	5.72575E+01	1.20762E+02	1.90493E+03	1.88094E+05
77	6	1.82580E+02	2.09226E+01	9.67129E+01	3.69656E+01	3.49930E+01	5.55928E+01	1.17285E+02	1.85149E+03	1.82833E+05
78	6	1.87580E+02	2.03354E+01	9.39730E+01	3.59215E+01	3.40093E+01	5.40263E+01	1.14008E+02	1.80099E+03	1.77860E+05
79	6	1.92580E+02	1.97814E+01	9.13903E+01	3.49371E+01	3.30819E+01	5.25491E+01	1.10915E+02	1.75318E+03	1.73148E+05
80	6	1.97580E+02	1.92578E+01	8.89509E+01	3.40073E+01	3.22057E+01	5.11534E+01	1.07990E+02	1.70785E+03	1.68681E+05
81	6	2.02580E+02	1.87619E+01	8.66426E+01	3.31274E+01	3.13765E+01	4.98322E+01	1.05219E+02	1.66482E+03	1.64437E+05
82	6	2.07580E+02	1.82916E+01	8.44547E+01	3.22933E+01	3.05903E+01	4.85796E+01	1.02589E+02	1.62390E+03	1.60401E+05
83	6	2.12580E+02	1.78448E+01	8.23776E+01	3.15013E+01	2.98438E+01	4.73901E+01	1.00090E+02	1.58495E+03	1.56558E+05
84	6	2.17580E+02	1.74197E+01	8.04027E+01	3.07483E+01	2.91338E+01	4.62589E+01	9.77121E+01	1.54783E+03	1.52894E+05
85	6	2.22580E+02	1.70149E+01	7.85224E+01	3.00313E+01	2.84578E+01	4.51816E+01	9.54459E+01	1.51240E+03	1.49396E+05
86	6	2.27580E+02	1.66287E+01	7.67298E+01	2.93478E+01	2.78132E+01	4.41544E+01	9.32841E+01	1.47856E+03	1.46054E+05

87	6	2.32580E+02	1.62600E+01	7.50187E+01	2.86952E+01	2.71978E+01	4.31736E+01	9.12191E+01	1.44620E+03	1.42857E+05
88	6	2.37580E+02	1.59074E+01	7.33835E+01	2.80716E+01	2.66096E+01	4.22362E+01	8.92446E+01	1.41522E+03	1.39797E+05
89	6	2.42580E+02	1.55700E+01	7.18191E+01	2.74749E+01	2.60468E+01	4.13392E+01	8.73546E+01	1.38553E+03	1.36863E+05
90	6	2.47580E+02	1.52468E+01	7.03208E+01	2.69034E+01	2.55077E+01	4.04801E+01	8.55434E+01	1.35706E+03	1.34049E+05
91	6	2.52580E+02	1.49369E+01	6.88845E+01	2.63556E+01	2.49909E+01	3.96563E+01	8.38063E+01	1.32973E+03	1.31347E+05
92	6	2.57580E+02	1.46394E+01	6.75063E+01	2.58298E+01	2.44949E+01	3.88658E+01	8.21391E+01	1.30349E+03	1.28751E+05
93	6	2.62580E+02	1.43536E+01	6.61826E+01	2.53249E+01	2.40184E+01	3.81064E+01	8.05368E+01	1.27824E+03	1.26254E+05
94	6	2.67580E+02	1.40788E+01	6.49102E+01	2.48395E+01	2.35604E+01	3.73764E+01	7.89964E+01	1.25395E+03	1.23852E+05
95	6	2.72580E+02	1.38144E+01	6.36861E+01	2.43725E+01	2.31197E+01	3.66741E+01	7.75140E+01	1.23056E+03	1.21538E+05
96	6	2.77580E+02	1.35598E+01	6.25075E+01	2.39229E+01	2.26954E+01	3.59978E+01	7.60860E+01	1.20802E+03	1.19308E+05
97	6	2.82580E+02	1.33144E+01	6.13719E+01	2.34896E+01	2.22865E+01	3.53461E+01	7.47099E+01	1.18629E+03	1.17158E+05
98	6	2.87580E+02	1.30778E+01	6.02770E+01	2.30719E+01	2.18922E+01	3.47177E+01	7.33826E+01	1.16532E+03	1.15083E+05
99	6	2.92580E+02	1.28495E+01	5.92205E+01	2.26688E+01	2.15118E+01	3.41114E+01	7.21016E+01	1.14507E+03	1.13079E+05
100	6	2.97580E+02	1.26290E+01	5.82005E+01	2.22796E+01	2.11444E+01	3.35259E+01	7.08644E+01	1.12550E+03	1.11142E+05
101	6	3.02580E+02	1.24159E+01	5.72150E+01	2.19036E+01	2.07894E+01	3.29602E+01	6.96691E+01	1.10659E+03	1.09271E+05
102	6	3.07580E+02	1.22099E+01	5.62624E+01	2.15401E+01	2.04462E+01	3.24133E+01	6.85133E+01	1.08829E+03	1.07460E+05
103	6	3.12580E+02	1.20106E+01	5.53409E+01	2.11885E+01	2.01143E+01	3.18842E+01	6.73951E+01	1.07058E+03	1.05708E+05
104	6	3.17580E+02	1.18178E+01	5.44491E+01	2.08481E+01	1.97929E+01	3.13722E+01	6.63126E+01	1.05344E+03	1.04011E+05
105	6	3.22580E+02	1.16310E+01	5.35855E+01	2.05186E+01	1.94817E+01	3.08763E+01	6.52641E+01	1.03682E+03	1.02367E+05
106	6	3.27580E+02	1.14499E+01	5.27487E+01	2.01993E+01	1.91802E+01	3.03958E+01	6.42483E+01	1.02072E+03	1.00774E+05
107	6	3.32580E+02	1.12745E+01	5.19376E+01	1.98897E+01	1.88879E+01	2.99301E+01	6.32635E+01	1.00511E+03	9.92279E+04
108	6	3.37580E+02	1.11043E+01	5.11510E+01	1.95895E+01	1.86044E+01	2.94783E+01	6.23081E+01	9.89955E+02	9.77282E+04
109	6	3.42580E+02	1.09391E+01	5.03877E+01	1.92982E+01	1.83293E+01	2.90400E+01	6.13809E+01	9.75248E+02	9.62729E+04
110	6	3.47580E+02	1.07787E+01	4.96467E+01	1.90154E+01	1.80622E+01	2.86144E+01	6.04808E+01	9.60966E+02	9.48599E+04
111	6	3.52580E+02	1.06230E+01	4.89271E+01	1.87407E+01	1.78027E+01	2.82011E+01	5.96063E+01	9.47092E+02	9.34864E+04
112	6	3.57580E+02	1.04717E+01	4.82279E+01	1.84739E+01	1.75507E+01	2.77995E+01	5.87565E+01	9.33606E+02	9.21515E+04
113	6	3.62580E+02	1.03246E+01	4.75483E+01	1.82145E+01	1.73056E+01	2.74091E+01	5.79303E+01	9.20495E+02	9.08539E+04
114	6	3.67580E+02	1.01815E+01	4.68874E+01	1.79622E+01	1.70673E+01	2.70295E+01	5.71267E+01	9.07741E+02	8.95916E+04
115	6	3.72580E+02	1.00423E+01	4.62445E+01	1.77168E+01	1.68355E+01	2.66602E+01	5.63455E+01	8.95330E+02	8.83635E+04
116	6	3.77580E+02	9.90690E+00	4.56188E+01	1.74780E+01	1.66098E+01	2.63008E+01	5.55855E+01	8.83250E+02	8.71675E+04
117	6	3.82580E+02	9.77503E+00	4.50097E+01	1.72455E+01	1.63901E+01	2.59508E+01	5.48451E+01	8.71486E+02	8.60029E+04
118	6	3.87580E+02	9.64660E+00	4.44165E+01	1.70190E+01	1.61762E+01	2.56100E+01	5.41239E+01	8.60026E+02	8.48683E+04
119	6	3.92580E+02	9.52146E+00	4.38386E+01	1.67984E+01	1.59677E+01	2.52780E+01	5.34211E+01	8.48860E+02	8.37628E+04
120	6	3.97580E+02	9.39951E+00	4.32753E+01	1.65834E+01	1.57645E+01	2.49544E+01	5.27360E+01	8.37975E+02	8.26851E+04
121	6	4.02580E+02	9.28060E+00	4.27263E+01	1.63738E+01	1.55664E+01	2.46389E+01	5.20680E+01	8.27361E+02	8.16341E+04
122	6	4.07580E+02	9.16465E+00	4.21908E+01	1.61693E+01	1.53732E+01	2.43312E+01	5.14171E+01	8.17008E+02	8.06090E+04
123	6	4.12580E+02	9.05152E+00	4.16684E+01	1.59699E+01	1.51847E+01	2.40311E+01	5.07822E+01	8.06907E+02	7.96088E+04
124	6	4.17580E+02	8.94112E+00	4.11587E+01	1.57753E+01	1.50008E+01	2.37381E+01	5.01622E+01	7.97048E+02	7.86325E+04
125	6	4.22580E+02	8.83336E+00	4.06611E+01	1.55853E+01	1.48212E+01	2.34522E+01	4.95568E+01	7.87423E+02	7.76794E+04
126	6	4.27580E+02	8.72814E+00	4.01752E+01	1.53998E+01	1.46458E+01	2.31730E+01	4.89655E+01	7.78023E+02	7.67485E+04
127	6	4.32580E+02	8.62537E+00	3.97007E+01	1.52186E+01	1.44746E+01	2.29003E+01	4.83887E+01	7.68842E+02	7.58393E+04
128	6	4.37580E+02	8.52495E+00	3.92371E+01	1.50416E+01	1.43072E+01	2.26339E+01	4.78252E+01	7.59871E+02	7.49508E+04
129	6	4.42580E+02	8.42683E+00	3.87841E+01	1.48686E+01	1.41437E+01	2.23735E+01	4.72739E+01	7.51103E+02	7.40823E+04
130	6	4.47580E+02	8.33091E+00	3.83413E+01	1.46996E+01	1.39838E+01	2.21190E+01	4.67349E+01	7.42531E+02	7.32335E+04
131	6	4.52580E+02	8.23712E+00	3.79083E+01	1.45342E+01	1.38275E+01	2.18702E+01	4.62086E+01	7.34148E+02	7.24036E+04
132	6	4.57580E+02	8.14540E+00	3.74849E+01	1.43725E+01	1.36746E+01	2.16268E+01	4.56937E+01	7.25950E+02	7.15919E+04
133	6	4.62580E+02	8.05567E+00	3.70707E+01	1.42143E+01	1.35250E+01	2.13887E+01	4.51896E+01	7.17929E+02	7.07977E+04
134	6	4.67580E+02	7.96786E+00	3.66654E+01	1.40596E+01	1.33786E+01	2.11558E+01	4.46962E+01	7.10079E+02	7.00205E+04
135	6	4.72580E+02	7.88193E+00	3.62687E+01	1.39081E+01	1.32353E+01	2.09278E+01	4.42139E+01	7.02396E+02	6.92598E+04
136	6	4.77580E+02	7.79780E+00	3.58804E+01	1.37598E+01	1.30951E+01	2.07045E+01	4.37415E+01	6.94875E+02	6.85151E+04
137	6	4.82580E+02	7.71543E+00	3.55002E+01	1.36146E+01	1.29577E+01	2.04860E+01	4.32786E+01	6.87509E+02	6.77858E+04
138	6	4.87580E+02	7.63476E+00	3.51279E+01	1.34724E+01	1.28232E+01	2.02719E+01	4.28256E+01	6.80295E+02	6.70715E+04
139	6	4.92580E+02	7.55573E+00	3.47631E+01	1.33330E+01	1.26914E+01	2.00622E+01	4.23819E+01	6.73227E+02	6.63717E+04
140	6	4.97580E+02	7.47829E+00	3.44057E+01	1.31965E+01	1.25623E+01	1.98567E+01	4.19472E+01	6.66302E+02	6.56859E+04
141	6	5.02580E+02	7.40240E+00	3.40555E+01	1.30627E+01	1.24357E+01	1.96554E+01	4.15211E+01	6.59515E+02	6.50139E+04
142	6	5.07580E+02	7.32802E+00	3.37122E+01	1.29316E+01	1.23116E+01	1.94580E+01	4.11031E+01	6.52861E+02	6.43550E+04
143	6	5.12580E+02	7.25509E+00	3.33756E+01	1.28030E+01	1.21900E+01	1.92645E+01	4.06935E+01	6.46338E+02	6.37091E+04
144	6	5.17580E+02	7.18358E+00	3.30456E+01	1.26770E+01	1.20707E+01	1.90747E+01	4.02919E+01	6.39940E+02	6.30757E+04
145	6	5.22580E+02	7.11344E+00	3.27219E+01	1.25533E+01	1.19537E+01	1.88886E+01	3.98980E+01	6.33666E+02	6.24543E+04
146	6	5.27580E+02	7.04463E+00	3.24044E+01	1.24320E+01	1.18389E+01	1.87060E+01	3.95115E+01	6.27510E+02	6.18448E+04

147	6	5.32580E+02	6.97713E+00	3.20928E+01	1.23130E+01	1.17262E+01	1.85268E+01	3.91323E+01	6.21471E+02	6.12467E+04
148	6	5.37580E+02	6.91088E+00	3.17871E+01	1.21962E+01	1.16157E+01	1.83510E+01	3.87601E+01	6.15543E+02	6.06597E+04
149	6	5.42580E+02	6.84586E+00	3.14871E+01	1.20815E+01	1.15072E+01	1.81785E+01	3.83947E+01	6.09725E+02	6.00836E+04
150	6	5.47580E+02	6.78203E+00	3.11925E+01	1.19690E+01	1.14007E+01	1.80091E+01	3.80359E+01	6.04014E+02	5.95180E+04
151	6	5.52580E+02	6.71935E+00	3.09033E+01	1.18585E+01	1.12961E+01	1.78427E+01	3.76835E+01	5.98406E+02	5.89626E+04
152	6	5.57580E+02	6.65781E+00	3.06193E+01	1.17500E+01	1.11933E+01	1.76794E+01	3.73377E+01	5.92899E+02	5.84172E+04
153	6	5.62580E+02	6.59736E+00	3.03404E+01	1.16434E+01	1.10924E+01	1.75190E+01	3.69980E+01	5.87490E+02	5.78815E+04
154	6	5.67580E+02	6.53798E+00	3.00664E+01	1.15387E+01	1.09933E+01	1.73614E+01	3.66643E+01	5.82176E+02	5.73553E+04
155	6	5.72580E+02	6.47964E+00	2.97972E+01	1.14359E+01	1.08959E+01	1.72065E+01	3.63365E+01	5.76955E+02	5.68382E+04
156	6	5.77580E+02	6.42232E+00	2.95327E+01	1.13348E+01	1.08002E+01	1.70544E+01	3.60143E+01	5.71824E+02	5.63301E+04
157	6	5.82580E+02	6.36597E+00	2.92728E+01	1.12354E+01	1.07061E+01	1.69048E+01	3.56977E+01	5.66782E+02	5.58307E+04
158	6	5.87580E+02	6.31060E+00	2.90173E+01	1.11378E+01	1.06136E+01	1.67578E+01	3.53865E+01	5.61826E+02	5.53399E+04
159	6	5.92580E+02	6.25616E+00	2.87661E+01	1.10418E+01	1.05227E+01	1.66133E+01	3.50806E+01	5.56953E+02	5.48573E+04
160	6	5.97580E+02	6.20263E+00	2.85191E+01	1.09474E+01	1.04333E+01	1.64712E+01	3.47798E+01	5.52162E+02	5.43828E+04
161	6	6.02580E+02	6.14999E+00	2.82762E+01	1.08545E+01	1.03453E+01	1.63315E+01	3.44839E+01	5.47451E+02	5.39161E+04
162	6	6.07580E+02	6.09822E+00	2.80374E+01	1.07632E+01	1.02588E+01	1.61941E+01	3.41930E+01	5.42817E+02	5.34572E+04
163	6	6.12580E+02	6.04730E+00	2.78024E+01	1.06734E+01	1.01738E+01	1.60589E+01	3.39068E+01	5.38259E+02	5.30058E+04
164	6	6.17580E+02	5.99720E+00	2.75713E+01	1.05851E+01	1.00900E+01	1.59259E+01	3.36252E+01	5.33775E+02	5.25617E+04
165	6	6.22580E+02	5.94791E+00	2.73439E+01	1.04982E+01	1.00077E+01	1.57950E+01	3.33482E+01	5.29362E+02	5.21247E+04
166	6	6.27580E+02	5.89941E+00	2.71202E+01	1.04126E+01	9.92662E+00	1.56662E+01	3.30755E+01	5.25020E+02	5.16947E+04
167	6	6.32580E+02	5.85168E+00	2.68999E+01	1.03284E+01	9.84683E+00	1.55395E+01	3.28072E+01	5.20746E+02	5.12714E+04
168	6	6.37580E+02	5.80470E+00	2.66832E+01	1.02455E+01	9.76829E+00	1.54147E+01	3.25431E+01	5.16539E+02	5.08549E+04
169	6	6.42580E+02	5.75845E+00	2.64698E+01	1.01640E+01	9.69097E+00	1.52919E+01	3.22831E+01	5.12397E+02	5.04448E+04
170	6	6.47580E+02	5.71291E+00	2.62597E+01	1.00836E+01	9.61483E+00	1.51710E+01	3.20271E+01	5.08318E+02	5.00411E+04
171	6	6.52580E+02	5.66807E+00	2.60529E+01	1.00045E+01	9.53986E+00	1.50519E+01	3.17751E+01	5.04302E+02	4.96435E+04
172	6	6.57580E+02	5.62392E+00	2.58492E+01	9.92665E+00	9.46602E+00	1.49346E+01	3.15268E+01	5.00355E+02	4.92520E+04
173	6	6.62580E+02	5.58043E+00	2.56486E+01	9.84994E+00	9.39329E+00	1.48191E+01	3.12823E+01	4.96464E+02	4.88664E+04
174	6	6.67580E+02	5.53760E+00	2.54510E+01	9.77437E+00	9.32164E+00	1.47054E+01	3.10415E+01	4.92630E+02	4.84866E+04
175	6	6.72580E+02	5.49540E+00	2.52563E+01	9.69993E+00	9.25105E+00	1.45933E+01	3.08042E+01	4.88852E+02	4.81125E+04
176	6	6.77580E+02	5.45383E+00	2.50645E+01	9.62658E+00	9.18150E+00	1.44829E+01	3.05704E+01	4.85130E+02	4.77439E+04
177	6	6.82580E+02	5.41287E+00	2.48756E+01	9.55431E+00	9.11296E+00	1.43740E+01	3.03401E+01	4.81462E+02	4.73806E+04
178	6	6.87580E+02	5.37250E+00	2.46894E+01	9.48308E+00	9.04541E+00	1.42668E+01	3.01131E+01	4.77847E+02	4.70227E+04
179	6	6.92580E+02	5.33272E+00	2.45059E+01	9.41288E+00	8.97882E+00	1.41611E+01	2.98893E+01	4.74284E+02	4.66699E+04
180	6	6.97580E+02	5.29351E+00	2.43250E+01	9.34369E+00	8.91319E+00	1.40569E+01	2.96688E+01	4.70772E+02	4.63222E+04
181	6	7.02580E+02	5.25485E+00	2.41467E+01	9.27548E+00	8.84848E+00	1.39542E+01	2.94514E+01	4.67309E+02	4.59795E+04
182	6	7.07580E+02	5.21675E+00	2.39709E+01	9.20823E+00	8.78469E+00	1.38530E+01	2.92371E+01	4.63895E+02	4.56416E+04
183	6	7.12580E+02	5.17918E+00	2.37976E+01	9.14193E+00	8.72178E+00	1.37532E+01	2.90257E+01	4.60532E+02	4.53084E+04
184	6	7.17580E+02	5.14213E+00	2.36267E+01	9.07655E+00	8.65974E+00	1.36547E+01	2.88173E+01	4.57217E+02	4.49799E+04
185	6	7.22580E+02	5.10560E+00	2.34582E+01	9.01207E+00	8.59855E+00	1.35576E+01	2.86118E+01	4.53943E+02	4.46559E+04
186	6	7.27580E+02	5.06957E+00	2.32920E+01	8.94847E+00	8.53820E+00	1.34619E+01	2.84091E+01	4.50714E+02	4.43364E+04
187	6	7.32580E+02	5.03403E+00	2.31281E+01	8.88574E+00	8.47866E+00	1.33674E+01	2.82092E+01	4.47527E+02	4.40212E+04
188	6	7.37580E+02	4.99897E+00	2.29664E+01	8.82386E+00	8.41992E+00	1.32742E+01	2.80120E+01	4.44387E+02	4.37103E+04
189	6	7.42580E+02	4.96439E+00	2.28069E+01	8.76281E+00	8.36197E+00	1.31823E+01	2.78174E+01	4.41290E+02	4.34036E+04
190	6	7.47580E+02	4.93027E+00	2.26495E+01	8.70258E+00	8.30479E+00	1.30916E+01	2.76254E+01	4.38230E+02	4.31010E+04
191	6	7.52580E+02	4.89661E+00	2.24942E+01	8.64314E+00	8.24835E+00	1.30021E+01	2.74359E+01	4.35209E+02	4.28024E+04
192	6	7.57580E+02	4.86338E+00	2.23410E+01	8.58449E+00	8.19266E+00	1.29138E+01	2.72490E+01	4.32231E+02	4.25077E+04
193	6	7.62580E+02	4.83060E+00	2.21898E+01	8.52660E+00	8.13769E+00	1.28266E+01	2.70645E+01	4.29291E+02	4.22169E+04
194	6	7.67580E+02	4.79824E+00	2.20405E+01	8.46947E+00	8.08343E+00	1.27406E+01	2.68823E+01	4.26386E+02	4.19298E+04
195	6	7.72580E+02	4.76630E+00	2.18932E+01	8.41307E+00	8.02986E+00	1.26556E+01	2.67025E+01	4.23520E+02	4.16464E+04
196	6	7.77580E+02	4.73477E+00	2.17478E+01	8.35739E+00	7.97698E+00	1.25718E+01	2.65251E+01	4.20689E+02	4.13666E+04
197	6	7.82580E+02	4.70365E+00	2.16042E+01	8.30243E+00	7.92476E+00	1.24890E+01	2.63498E+01	4.17896E+02	4.10904E+04
198	6	7.87580E+02	4.67291E+00	2.14625E+01	8.24816E+00	7.87320E+00	1.24073E+01	2.61768E+01	4.15140E+02	4.08176E+04
199	6	7.92580E+02	4.64257E+00	2.13225E+01	8.19457E+00	7.82229E+00	1.23265E+01	2.60060E+01	4.12419E+02	4.05483E+04
200	6	7.97580E+02	4.61261E+00	2.11844E+01	8.14165E+00	7.77200E+00	1.22468E+01	2.58373E+01	4.09731E+02	4.02822E+04
201	6	8.02580E+02	4.58302E+00	2.10479E+01	8.08939E+00	7.72234E+00	1.21681E+01	2.56706E+01	4.07077E+02	4.00194E+04
202	6	8.07580E+02	4.55380E+00	2.09131E+01	8.03777E+00	7.67328E+00	1.20904E+01	2.55060E+01	4.04455E+02	3.97597E+04
203	6	8.12580E+02	4.52494E+00	2.07800E+01	7.98679E+00	7.62482E+00	1.20136E+01	2.53435E+01	4.01867E+02	3.95035E+04
204	6	8.17580E+02	4.49643E+00	2.06485E+01	7.93643E+00	7.57694E+00	1.19377E+01	2.51829E+01	3.99309E+02	3.92505E+04
205	6	8.22580E+02	4.46827E+00	2.05187E+01	7.88667E+00	7.52964E+00	1.18628E+01	2.50242E+01	3.96782E+02	3.90002E+04
206	6	8.27580E+02	4.44045E+00	2.03904E+01	7.83752E+00	7.48290E+00	1.17887E+01	2.48674E+01	3.94286E+02	3.87528E+04

207	6	8.32580E+02	4.41296E+00	2.02636E+01	7.78895E+00	7.43672E+00	1.17155E+01	2.47125E+01	3.91820E+02	3.85085E+04
208	6	8.37580E+02	4.38580E+00	2.01383E+01	7.74096E+00	7.39108E+00	1.16432E+01	2.45594E+01	3.89382E+02	3.82669E+04
209	6	8.42580E+02	4.35896E+00	2.00146E+01	7.69354E+00	7.34598E+00	1.15718E+01	2.44081E+01	3.86974E+02	3.80285E+04
210	6	8.47580E+02	4.33244E+00	1.98923E+01	7.64668E+00	7.30140E+00	1.15012E+01	2.42586E+01	3.84594E+02	3.77928E+04
211	6	8.52580E+02	4.30623E+00	1.97714E+01	7.60036E+00	7.25734E+00	1.14314E+01	2.41108E+01	3.82241E+02	3.75599E+04
212	6	8.57580E+02	4.28033E+00	1.96519E+01	7.55458E+00	7.21378E+00	1.13624E+01	2.39647E+01	3.79916E+02	3.73298E+04
213	6	8.62580E+02	4.25473E+00	1.95338E+01	7.50932E+00	7.17072E+00	1.12942E+01	2.38203E+01	3.77617E+02	3.71023E+04
214	6	8.67580E+02	4.22942E+00	1.94171E+01	7.46459E+00	7.12815E+00	1.12268E+01	2.36776E+01	3.75345E+02	3.68775E+04
215	6	8.72580E+02	4.20440E+00	1.93017E+01	7.42036E+00	7.08606E+00	1.11602E+01	2.35367E+01	3.73098E+02	3.66551E+04
216	6	8.77580E+02	4.17967E+00	1.91877E+01	7.37664E+00	7.04444E+00	1.10943E+01	2.33973E+01	3.70877E+02	3.64352E+04
217	6	8.82580E+02	4.15522E+00	1.90749E+01	7.33341E+00	7.00329E+00	1.10291E+01	2.32596E+01	3.68681E+02	3.62179E+04
218	6	8.87580E+02	4.13104E+00	1.89634E+01	7.29067E+00	6.96259E+00	1.09647E+01	2.31233E+01	3.66510E+02	3.60030E+04
219	6	8.92580E+02	4.10713E+00	1.88532E+01	7.24840E+00	6.92235E+00	1.09009E+01	2.29886E+01	3.64362E+02	3.57906E+04
220	6	8.97580E+02	4.08349E+00	1.87441E+01	7.20660E+00	6.88254E+00	1.08379E+01	2.28554E+01	3.62238E+02	3.55807E+04
221	6	9.02580E+02	4.06011E+00	1.86363E+01	7.16526E+00	6.84317E+00	1.07756E+01	2.27237E+01	3.60138E+02	3.53731E+04
222	6	9.07580E+02	4.03699E+00	1.85297E+01	7.12437E+00	6.80422E+00	1.07140E+01	2.25934E+01	3.58061E+02	3.51678E+04
223	6	9.12580E+02	4.01413E+00	1.84243E+01	7.08393E+00	6.76570E+00	1.06530E+01	2.24645E+01	3.56007E+02	3.49648E+04
224	6	9.17580E+02	3.99151E+00	1.83200E+01	7.04393E+00	6.72759E+00	1.05927E+01	2.23370E+01	3.53975E+02	3.47640E+04
225	6	9.22580E+02	3.96914E+00	1.82168E+01	7.00436E+00	6.68989E+00	1.05330E+01	2.22109E+01	3.51965E+02	3.45653E+04
226	6	9.27580E+02	3.94700E+00	1.81147E+01	6.96521E+00	6.65258E+00	1.04740E+01	2.20862E+01	3.49978E+02	3.43688E+04
227	6	9.32580E+02	3.92511E+00	1.80138E+01	6.92647E+00	6.61566E+00	1.04156E+01	2.19627E+01	3.48013E+02	3.41744E+04
228	6	9.37580E+02	3.90345E+00	1.79139E+01	6.88814E+00	6.57914E+00	1.03578E+01	2.18406E+01	3.46069E+02	3.39820E+04
229	6	9.42580E+02	3.88202E+00	1.78150E+01	6.85022E+00	6.54299E+00	1.03006E+01	2.17198E+01	3.44145E+02	3.37917E+04
230	6	9.47580E+02	3.86081E+00	1.77173E+01	6.81270E+00	6.50722E+00	1.02440E+01	2.16003E+01	3.42242E+02	3.36034E+04
231	6	9.52580E+02	3.83983E+00	1.76205E+01	6.77557E+00	6.47182E+00	1.01880E+01	2.14820E+01	3.40359E+02	3.34171E+04
232	6	9.57580E+02	3.81907E+00	1.75248E+01	6.73881E+00	6.43678E+00	1.01326E+01	2.13650E+01	3.38496E+02	3.32327E+04
233	6	9.62580E+02	3.79852E+00	1.74300E+01	6.70244E+00	6.40210E+00	1.00778E+01	2.12492E+01	3.36651E+02	3.30502E+04
234	6	9.67580E+02	3.77819E+00	1.73362E+01	6.66647E+00	6.36777E+00	1.00236E+01	2.11346E+01	3.34826E+02	3.28696E+04
235	6	9.72580E+02	3.75806E+00	1.72434E+01	6.63084E+00	6.33379E+00	9.96992E+00	2.10212E+01	3.33020E+02	3.26909E+04
236	6	9.77580E+02	3.73814E+00	1.71516E+01	6.59558E+00	6.30015E+00	9.91680E+00	2.09089E+01	3.31232E+02	3.25140E+04
237	6	9.82580E+02	3.71842E+00	1.70607E+01	6.56068E+00	6.26684E+00	9.86422E+00	2.07978E+01	3.29463E+02	3.23389E+04
238	6	9.87580E+02	3.69891E+00	1.69707E+01	6.52613E+00	6.23387E+00	9.81217E+00	2.06878E+01	3.27711E+02	3.21656E+04
239	6	9.92580E+02	3.67958E+00	1.68816E+01	6.49193E+00	6.20122E+00	9.76064E+00	2.05789E+01	3.25977E+02	3.19940E+04
240	6	9.97580E+02	3.66046E+00	1.67935E+01	6.45806E+00	6.16889E+00	9.70963E+00	2.04711E+01	3.24260E+02	3.18242E+04
241	6	1.00258E+03	3.64152E+00	1.67062E+01	6.42453E+00	6.13688E+00	9.65912E+00	2.03643E+01	3.22560E+02	3.16560E+04
242	6	1.00758E+03	3.62277E+00	1.66197E+01	6.39134E+00	6.10518E+00	9.60911E+00	2.02587E+01	3.20878E+02	3.14895E+04
243	6	1.01258E+03	3.60421E+00	1.65341E+01	6.35847E+00	6.07379E+00	9.55959E+00	2.01540E+01	3.19212E+02	3.13247E+04
244	6	1.01758E+03	3.58583E+00	1.64494E+01	6.32593E+00	6.04270E+00	9.51056E+00	2.00504E+01	3.17562E+02	3.11615E+04
245	6	1.02258E+03	3.56763E+00	1.63655E+01	6.29370E+00	6.01191E+00	9.46200E+00	1.99479E+01	3.15929E+02	3.09999E+04
246	6	1.02758E+03	3.54960E+00	1.62824E+01	6.26178E+00	5.98141E+00	9.41392E+00	1.98463E+01	3.14311E+02	3.08398E+04
247	6	1.03258E+03	3.53175E+00	1.62001E+01	6.23017E+00	5.95120E+00	9.36629E+00	1.97458E+01	3.12709E+02	3.06814E+04
248	6	1.03758E+03	3.51408E+00	1.61186E+01	6.19887E+00	5.92127E+00	9.31913E+00	1.96463E+01	3.11123E+02	3.05244E+04
249	6	1.04258E+03	3.49657E+00	1.60379E+01	6.16786E+00	5.89163E+00	9.27242E+00	1.95477E+01	3.09552E+02	3.03690E+04
250	6	1.04758E+03	3.47923E+00	1.59580E+01	6.13715E+00	5.86226E+00	9.22615E+00	1.94501E+01	3.07996E+02	3.02151E+04
251	6	1.05258E+03	3.46205E+00	1.58788E+01	6.10673E+00	5.83317E+00	9.18032E+00	1.93533E+01	3.06455E+02	3.00628E+04
252	6	1.05758E+03	3.44504E+00	1.58004E+01	6.07660E+00	5.80434E+00	9.13493E+00	1.92575E+01	3.04928E+02	2.99119E+04
253	6	1.06258E+03	3.42819E+00	1.57227E+01	6.04676E+00	5.77578E+00	9.08997E+00	1.91626E+01	3.03416E+02	2.97626E+04
254	6	1.06758E+03	3.41149E+00	1.56457E+01	6.01719E+00	5.74749E+00	9.04543E+00	1.90686E+01	3.01918E+02	2.96147E+04
255	6	1.07258E+03	3.39496E+00	1.55695E+01	5.98790E+00	5.71945E+00	9.00129E+00	1.89755E+01	3.00434E+02	2.94681E+04
256	6	1.07758E+03	3.37857E+00	1.54940E+01	5.95889E+00	5.69166E+00	8.95758E+00	1.88832E+01	2.98964E+02	2.93229E+04
257	6	1.08258E+03	3.36234E+00	1.54191E+01	5.93014E+00	5.66413E+00	8.91427E+00	1.87917E+01	2.97507E+02	2.91790E+04
258	6	1.08758E+03	3.34625E+00	1.53450E+01	5.90166E+00	5.63684E+00	8.87137E+00	1.87012E+01	2.96066E+02	2.90365E+04

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 TOTAL FLUX - G=GROUP NO. N= 56

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	6.79349E+09	3.94128E+09	1.96883E+10	1.86766E+10	8.66133E+09	3.60272E+09	4.23705E+08	1.37108E+08
2	1	1.00000E+00	6.79349E+09	3.94128E+09	1.96883E+10	1.86766E+10	8.66133E+09	3.60272E+09	4.24043E+08	1.37105E+08
3	1	2.67567E+00	6.79346E+09	3.94127E+09	1.96883E+10	1.86766E+10	8.66132E+09	3.60271E+09	4.23795E+08	1.37107E+08
4	1	5.02700E+00	6.79339E+09	3.94125E+09	1.96883E+10	1.86766E+10	8.66131E+09	3.60271E+09	4.23996E+08	1.37106E+08
5	1	7.37833E+00	6.79327E+09	3.94120E+09	1.96883E+10	1.86766E+10	8.66128E+09	3.60270E+09	4.23752E+08	1.37107E+08

6	1	9.72967E+00	6.79310E+09	3.94114E+09	1.96883E+10	1.86766E+10	8.66125E+09	3.60268E+09	4.24042E+08	1.37106E+08
7	1	1.20810E+01	6.79286E+09	3.94105E+09	1.96882E+10	1.86765E+10	8.66120E+09	3.60266E+09	4.23697E+08	1.37107E+08
8	1	1.44323E+01	6.79253E+09	3.94093E+09	1.96882E+10	1.86765E+10	8.66114E+09	3.60264E+09	4.24098E+08	1.37106E+08
9	1	1.67837E+01	6.79211E+09	3.94077E+09	1.96881E+10	1.86764E+10	8.66105E+09	3.60259E+09	4.23629E+08	1.37107E+08
10	1	1.91350E+01	6.79156E+09	3.94057E+09	1.96880E+10	1.86763E+10	8.66094E+09	3.60255E+09	4.24165E+08	1.37106E+08
11	1	2.14863E+01	6.79085E+09	3.94030E+09	1.96879E+10	1.86762E+10	8.66079E+09	3.60248E+09	4.23545E+08	1.37107E+08
12	1	2.38377E+01	6.78992E+09	3.93995E+09	1.96877E+10	1.86761E+10	8.66059E+09	3.60241E+09	4.24245E+08	1.37106E+08
13	1	2.61890E+01	6.78872E+09	3.93948E+09	1.96874E+10	1.86759E+10	8.66033E+09	3.60228E+09	4.23438E+08	1.37107E+08
14	1	2.85403E+01	6.78716E+09	3.93887E+09	1.96870E+10	1.86756E+10	8.65998E+09	3.60216E+09	4.24340E+08	1.37106E+08
15	1	3.08917E+01	6.78512E+09	3.93807E+09	1.96865E+10	1.86752E+10	8.65951E+09	3.60192E+09	4.23298E+08	1.37106E+08
16	1	3.32430E+01	6.78246E+09	3.93701E+09	1.96858E+10	1.86747E+10	8.65886E+09	3.60172E+09	4.24454E+08	1.37106E+08
17	1	3.55943E+01	6.77897E+09	3.93559E+09	1.96848E+10	1.86739E+10	8.65797E+09	3.60126E+09	4.23107E+08	1.37105E+08
18	1	3.79457E+01	6.77438E+09	3.93370E+09	1.96833E+10	1.86727E+10	8.65673E+09	3.60091E+09	4.24589E+08	1.37106E+08
19	1	4.02970E+01	6.76830E+09	3.93117E+09	1.96812E+10	1.86711E+10	8.65497E+09	3.60003E+09	4.22835E+08	1.37103E+08
20	1	4.26483E+01	6.76024E+09	3.92775E+09	1.96779E+10	1.86686E+10	8.65246E+09	3.59935E+09	4.24740E+08	1.37106E+08
21	1	4.49997E+01	6.74949E+09	3.92311E+09	1.96732E+10	1.86649E+10	8.64881E+09	3.59758E+09	4.22421E+08	1.37100E+08
22	1	4.73510E+01	6.73506E+09	3.91676E+09	1.96659E+10	1.86593E+10	8.64342E+09	3.59618E+09	4.24884E+08	1.37105E+08
23	1	4.97023E+01	6.71557E+09	3.90803E+09	1.96546E+10	1.86505E+10	8.63532E+09	3.59248E+09	4.21740E+08	1.37094E+08
24	1	5.20537E+01	6.68907E+09	3.89591E+09	1.96371E+10	1.86366E+10	8.62293E+09	3.58933E+09	4.24938E+08	1.37103E+08
25	1	5.44050E+01	6.65272E+09	3.87893E+09	1.96093E+10	1.86142E+10	8.60360E+09	3.58117E+09	4.20507E+08	1.37081E+08
26	1	5.67563E+01	6.60242E+09	3.85486E+09	1.95643E+10	1.85776E+10	8.57285E+09	3.57333E+09	4.24624E+08	1.37096E+08
27	1	5.91077E+01	6.53207E+09	3.82033E+09	1.94904E+10	1.85164E+10	8.52300E+09	3.55409E+09	4.17998E+08	1.37051E+08
28	1	6.14590E+01	6.43246E+09	3.76998E+09	1.93661E+10	1.84117E+10	8.44028E+09	3.53239E+09	4.23031E+08	1.37072E+08
29	1	6.38103E+01	6.28918E+09	3.69520E+09	1.91517E+10	1.82271E+10	8.30108E+09	3.48304E+09	4.12160E+08	1.36979E+08
30	1	6.61617E+01	6.07824E+09	3.58128E+09	1.87692E+10	1.78889E+10	8.05926E+09	3.41469E+09	4.16944E+08	1.36990E+08
31	1	6.85130E+01	5.75244E+09	3.40140E+09	1.80732E+10	1.72506E+10	7.63999E+09	3.27268E+09	3.96286E+08	1.36777E+08
32	1	7.08643E+01	5.16392E+09	3.07046E+09	1.65711E+10	1.58677E+10	6.85029E+09	3.00136E+09	3.92673E+08	1.36673E+08
33	1	7.27900E+01	4.28218E+09	2.55014E+09	1.36921E+10	1.31617E+10	5.80255E+09	2.89156E+09	3.48057E+08	1.36173E+08
34	1	7.37900E+01	3.54495E+09	2.09258E+09	1.07735E+10	1.03400E+10	5.10018E+09	4.08998E+09	8.45056E+08	1.42823E+08
0										
35	2	7.43575E+01	2.55906E+09	1.51645E+09	6.98212E+09	6.88855E+09	4.81352E+09	5.88865E+09	2.42930E+09	1.92951E+08
36	2	7.49925E+01	1.49048E+09	9.10776E+08	3.39805E+09	3.64657E+09	4.12949E+09	5.80730E+09	2.72247E+09	2.17577E+08
37	2	7.56275E+01	9.81931E+08	6.15712E+08	2.05476E+09	2.30082E+09	3.12790E+09	4.53818E+09	2.19797E+09	1.78845E+08
38	2	7.62625E+01	6.84439E+08	4.36297E+08	1.31934E+09	1.52890E+09	2.36266E+09	3.50032E+09	1.71062E+09	1.36106E+08
0										
39	3	7.68300E+01	5.65994E+08	3.63187E+08	1.03737E+09	1.22468E+09	2.01446E+09	3.00874E+09	1.44150E+09	1.13956E+08
40	3	7.73300E+01	5.60430E+08	3.59482E+08	1.02787E+09	1.21280E+09	1.99741E+09	3.00588E+09	1.44015E+09	1.13857E+08
41	3	7.78300E+01	5.55028E+08	3.55934E+08	1.01864E+09	1.20139E+09	1.98214E+09	3.00502E+09	1.43880E+09	1.13773E+08
0										
42	4	7.83300E+01	4.89100E+08	3.15093E+08	8.72015E+08	1.03936E+09	1.77809E+09	2.70066E+09	1.27797E+09	9.66061E+07
43	4	7.88300E+01	3.78016E+08	2.45883E+08	6.29502E+08	7.68519E+08	1.41499E+09	2.14779E+09	1.00026E+09	7.35049E+07
44	4	7.93300E+01	2.93597E+08	1.92401E+08	4.57637E+08	5.70488E+08	1.11502E+09	1.69993E+09	7.88643E+08	5.83866E+07
45	4	7.98300E+01	2.29018E+08	1.51044E+08	3.35013E+08	4.25496E+08	8.75196E+08	1.34397E+09	6.34004E+08	4.77542E+07
0										
46	5	8.03300E+01	1.80171E+08	1.19507E+08	2.48290E+08	3.20633E+08	6.89368E+08	1.07092E+09	5.27928E+08	4.43191E+07
47	5	8.10800E+01	1.29888E+08	8.67540E+07	1.66281E+08	2.18801E+08	4.94342E+08	7.78561E+08	3.94940E+08	3.42125E+07
48	5	8.20800E+01	8.21922E+07	5.53956E+07	9.43432E+07	1.27322E+08	3.06999E+08	4.90039E+08	2.50813E+08	2.15791E+07
49	5	8.30800E+01	5.25582E+07	3.56732E+07	5.45957E+07	7.50619E+07	1.90237E+08	3.06423E+08	1.57118E+08	1.36057E+07
50	5	8.40800E+01	3.39087E+07	2.31269E+07	3.21246E+07	4.47383E+07	1.17854E+08	1.91078E+08	9.76387E+07	8.39837E+06
51	5	8.50800E+01	2.20341E+07	1.50767E+07	1.91755E+07	2.69189E+07	7.30744E+07	1.19036E+08	6.08713E+07	5.27559E+06
52	5	8.60800E+01	1.44027E+07	9.87338E+06	1.15909E+07	1.63347E+07	4.53832E+07	7.41683E+07	3.78123E+07	3.24773E+06
53	5	8.70800E+01	9.46316E+06	6.49006E+06	7.08509E+06	9.98905E+06	2.82464E+07	4.62086E+07	2.35873E+07	2.04862E+06
54	5	8.80800E+01	6.23968E+06	4.27874E+06	4.37433E+06	6.15279E+06	1.76277E+07	2.86874E+07	1.45626E+07	1.24667E+06
55	5	8.90800E+01	4.12811E+06	2.82815E+06	2.72488E+06	3.81403E+06	1.10050E+07	1.73407E+07	8.53323E+06	7.45383E+05
56	5	8.98300E+01	2.98879E+06	2.04616E+06	1.88434E+06	2.61911E+06	7.47896E+06	1.02979E+07	4.20550E+06	3.29813E+05
0										
57	6	9.03300E+01	2.68139E+06	1.83502E+06	1.66447E+06	2.30380E+06	6.47723E+06	7.76790E+06	2.38902E+06	1.97749E+05
58	6	9.10800E+01	2.65710E+06	1.81601E+06	1.64640E+06	2.27672E+06	6.37660E+06	7.60329E+06	2.33974E+06	1.93066E+05
59	6	9.25800E+01	2.61003E+06	1.77967E+06	1.61213E+06	2.22584E+06	6.19349E+06	7.31316E+06	2.25346E+06	1.85251E+05
60	6	9.55800E+01	2.52146E+06	1.71268E+06	1.54970E+06	2.13457E+06	5.88133E+06	6.84513E+06	2.11593E+06	1.73621E+05

61	6	1.00236E+02	2.39507E+06	1.61934E+06	1.46373E+06	2.01087E+06	5.48174E+06	6.28542E+06	1.95390E+06	1.60884E+05
62	6	1.05549E+02	2.26485E+06	1.52547E+06	1.37808E+06	1.88939E+06	5.11000E+06	5.80037E+06	1.81566E+06	1.50834E+05
63	6	1.10861E+02	2.14837E+06	1.44309E+06	1.30331E+06	1.78442E+06	4.80118E+06	5.41882E+06	1.70810E+06	1.43484E+05
64	6	1.16174E+02	2.04366E+06	1.36990E+06	1.23705E+06	1.69199E+06	4.53563E+06	5.10141E+06	1.61907E+06	1.37603E+05
65	6	1.21486E+02	1.94899E+06	1.30431E+06	1.17773E+06	1.60959E+06	4.30269E+06	4.82896E+06	1.54277E+06	1.32653E+05
66	6	1.26799E+02	1.86298E+06	1.24510E+06	1.12422E+06	1.53549E+06	4.09560E+06	4.59045E+06	1.47595E+06	1.28357E+05
67	6	1.32111E+02	1.78444E+06	1.19131E+06	1.07563E+06	1.46836E+06	3.90969E+06	4.37876E+06	1.41658E+06	1.24555E+05
68	6	1.37424E+02	1.71242E+06	1.14218E+06	1.03126E+06	1.40718E+06	3.74146E+06	4.18894E+06	1.36323E+06	1.21140E+05
69	6	1.42580E+02	1.64790E+06	1.09832E+06	9.91648E+05	1.35267E+06	3.59240E+06	4.02190E+06	1.31618E+06	1.18125E+05
70	6	1.47580E+02	1.58998E+06	1.05905E+06	9.56184E+05	1.30392E+06	3.45979E+06	3.87411E+06	1.27443E+06	1.15442E+05
71	6	1.52580E+02	1.53606E+06	1.02258E+06	9.23245E+05	1.25870E+06	3.33724E+06	3.73814E+06	1.23592E+06	1.12959E+05
72	6	1.57580E+02	1.48572E+06	9.88615E+05	8.92559E+05	1.21661E+06	3.22355E+06	3.61249E+06	1.20022E+06	1.10647E+05
73	6	1.62580E+02	1.43861E+06	9.56876E+05	8.63892E+05	1.17733E+06	3.11775E+06	3.49593E+06	1.16700E+06	1.08485E+05
74	6	1.67580E+02	1.39443E+06	9.27151E+05	8.37045E+05	1.14056E+06	3.01900E+06	3.38740E+06	1.13597E+06	1.06456E+05
75	6	1.72580E+02	1.35290E+06	8.99244E+05	8.11842E+05	1.10607E+06	2.92658E+06	3.28604E+06	1.10689E+06	1.04543E+05
76	6	1.77580E+02	1.31379E+06	8.72993E+05	7.88132E+05	1.07365E+06	2.83984E+06	3.19111E+06	1.07957E+06	1.02736E+05
77	6	1.82580E+02	1.27689E+06	8.48263E+05	7.65785E+05	1.04311E+06	2.75826E+06	3.10197E+06	1.05383E+06	1.01023E+05
78	6	1.87580E+02	1.24200E+06	8.24913E+05	7.44687E+05	1.01428E+06	2.68140E+06	3.01807E+06	1.02951E+06	9.93960E+04
79	6	1.92580E+02	1.20898E+06	8.02819E+05	7.24731E+05	9.87018E+05	2.60881E+06	2.93893E+06	1.00650E+06	9.78460E+04
80	6	1.97580E+02	1.17767E+06	7.81889E+05	7.05824E+05	9.61200E+05	2.54014E+06	2.86412E+06	9.84671E+05	9.63668E+04
81	6	2.02580E+02	1.14794E+06	7.62032E+05	6.87883E+05	9.36709E+05	2.47508E+06	2.79329E+06	9.63930E+05	9.49523E+04
82	6	2.07580E+02	1.11967E+06	7.43161E+05	6.70835E+05	9.13445E+05	2.41333E+06	2.72611E+06	9.44189E+05	9.35973E+04
83	6	2.12580E+02	1.09276E+06	7.25202E+05	6.54613E+05	8.91314E+05	2.35463E+06	2.66228E+06	9.25368E+05	9.22972E+04
84	6	2.17580E+02	1.06710E+06	7.08098E+05	6.39158E+05	8.70232E+05	2.29877E+06	2.60154E+06	9.07398E+05	9.10479E+04
85	6	2.22580E+02	1.04262E+06	6.91786E+05	6.24416E+05	8.50127E+05	2.24553E+06	2.54368E+06	8.90217E+05	8.98457E+04
86	6	2.27580E+02	1.01922E+06	6.76205E+05	6.10339E+05	8.30932E+05	2.19473E+06	2.48847E+06	8.73768E+05	8.86873E+04
87	6	2.32580E+02	9.96847E+05	6.61309E+05	5.96879E+05	8.12583E+05	2.14620E+06	2.43573E+06	8.58000E+05	8.75698E+04
88	6	2.37580E+02	9.75433E+05	6.47053E+05	5.83997E+05	7.95030E+05	2.09979E+06	2.38530E+06	8.42869E+05	8.64903E+04
89	6	2.42580E+02	9.54910E+05	6.33397E+05	5.71659E+05	7.78219E+05	2.05536E+06	2.33701E+06	8.28331E+05	8.54466E+04
90	6	2.47580E+02	9.35229E+05	6.20302E+05	5.59828E+05	7.62101E+05	2.01278E+06	2.29073E+06	8.14349E+05	8.44364E+04
91	6	2.52580E+02	9.16334E+05	6.07739E+05	5.48475E+05	7.46631E+05	1.97193E+06	2.24633E+06	8.00890E+05	8.34576E+04
92	6	2.57580E+02	8.98175E+05	5.95674E+05	5.37569E+05	7.31772E+05	1.93272E+06	2.20370E+06	7.87921E+05	8.25085E+04
93	6	2.62580E+02	8.80721E+05	5.84070E+05	5.27089E+05	7.17490E+05	1.89504E+06	2.16272E+06	7.75413E+05	8.15873E+04
94	6	2.67580E+02	8.63923E+05	5.72909E+05	5.17005E+05	7.03751E+05	1.85880E+06	2.12330E+06	7.63340E+05	8.06924E+04
95	6	2.72580E+02	8.47743E+05	5.62164E+05	5.07293E+05	6.90524E+05	1.82393E+06	2.08535E+06	7.51676E+05	7.98225E+04
96	6	2.77580E+02	8.32154E+05	5.51810E+05	4.97936E+05	6.77781E+05	1.79033E+06	2.04879E+06	7.40401E+05	7.89762E+04
97	6	2.82580E+02	8.17119E+05	5.41827E+05	4.88914E+05	6.65495E+05	1.75795E+06	2.01353E+06	7.29491E+05	7.81523E+04
98	6	2.87580E+02	8.02610E+05	5.32200E+05	4.80210E+05	6.53643E+05	1.72672E+06	1.97951E+06	7.18929E+05	7.73496E+04
99	6	2.92580E+02	7.88601E+05	5.22910E+05	4.71806E+05	6.42201E+05	1.69658E+06	1.94666E+06	7.08696E+05	7.65672E+04
100	6	2.97580E+02	7.75063E+05	5.13934E+05	4.63688E+05	6.31148E+05	1.66746E+06	1.91491E+06	6.98776E+05	7.58039E+04
101	6	3.02580E+02	7.61979E+05	5.05252E+05	4.55840E+05	6.20465E+05	1.63933E+06	1.88423E+06	6.89152E+05	7.50589E+04
102	6	3.07580E+02	7.49326E+05	4.96855E+05	4.48251E+05	6.10133E+05	1.61212E+06	1.85454E+06	6.79811E+05	7.43313E+04
103	6	3.12580E+02	7.37082E+05	4.88729E+05	4.40906E+05	6.00135E+05	1.58580E+06	1.82580E+06	6.70739E+05	7.36204E+04
104	6	3.17580E+02	7.25223E+05	4.80860E+05	4.33795E+05	5.90455E+05	1.56032E+06	1.79796E+06	6.61922E+05	7.29254E+04
105	6	3.22580E+02	7.13734E+05	4.73240E+05	4.26906E+05	5.81078E+05	1.53564E+06	1.77098E+06	6.53351E+05	7.22455E+04
106	6	3.27580E+02	7.02604E+05	4.65855E+05	4.20229E+05	5.71990E+05	1.51172E+06	1.74483E+06	6.45012E+05	7.15802E+04
107	6	3.32580E+02	6.91801E+05	4.58693E+05	4.13754E+05	5.63178E+05	1.48854E+06	1.71946E+06	6.36896E+05	7.09289E+04
108	6	3.37580E+02	6.81321E+05	4.51743E+05	4.07473E+05	5.54629E+05	1.46606E+06	1.69483E+06	6.28994E+05	7.02908E+04
109	6	3.42580E+02	6.71151E+05	4.44998E+05	4.01376E+05	5.46331E+05	1.44423E+06	1.67091E+06	6.21295E+05	6.96656E+04
110	6	3.47580E+02	6.61278E+05	4.38447E+05	3.95456E+05	5.38274E+05	1.42304E+06	1.64768E+06	6.13792E+05	6.90526E+04
111	6	3.52580E+02	6.51693E+05	4.32086E+05	3.89705E+05	5.30447E+05	1.40245E+06	1.62510E+06	6.06475E+05	6.84514E+04
112	6	3.57580E+02	6.42370E+05	4.25905E+05	3.84115E+05	5.22841E+05	1.38244E+06	1.60314E+06	5.99338E+05	6.78616E+04
113	6	3.62580E+02	6.33305E+05	4.19893E+05	3.78681E+05	5.15445E+05	1.36299E+06	1.58178E+06	5.92373E+05	6.72826E+04
114	6	3.67580E+02	6.24488E+05	4.14046E+05	3.73395E+05	5.08252E+05	1.34407E+06	1.56100E+06	5.85573E+05	6.67141E+04
115	6	3.72580E+02	6.15908E+05	4.08356E+05	3.68252E+05	5.01254E+05	1.32567E+06	1.54076E+06	5.78933E+05	6.61558E+04
116	6	3.77580E+02	6.07556E+05	4.02817E+05	3.63246E+05	4.94442E+05	1.30776E+06	1.52105E+06	5.72444E+05	6.56071E+04
117	6	3.82580E+02	5.99423E+05	3.97426E+05	3.58371E+05	4.87809E+05	1.29031E+06	1.50185E+06	5.66103E+05	6.50679E+04
118	6	3.87580E+02	5.91501E+05	3.92175E+05	3.53623E+05	4.81348E+05	1.27332E+06	1.48314E+06	5.59903E+05	6.45376E+04
119	6	3.92580E+02	5.83781E+05	3.87056E+05	3.48996E+05	4.75052E+05	1.25677E+06	1.46489E+06	5.53838E+05	6.40162E+04
120	6	3.97580E+02	5.76256E+05	3.82067E+05	3.44486E+05	4.68916E+05	1.24064E+06	1.44709E+06	5.47905E+05	6.35031E+04

121	6	4.02580E+02	5.68917E+05	3.77202E+05	3.40089E+05	4.62933E+05	1.22490E+06	1.42973E+06	5.42099E+05	6.29982E+04
122	6	4.07580E+02	5.61760E+05	3.72458E+05	3.35800E+05	4.57097E+05	1.20956E+06	1.41278E+06	5.36414E+05	6.25011E+04
123	6	4.12580E+02	5.54776E+05	3.67831E+05	3.31615E+05	4.51403E+05	1.19459E+06	1.39623E+06	5.30847E+05	6.20117E+04
124	6	4.17580E+02	5.47959E+05	3.63313E+05	3.27531E+05	4.45847E+05	1.17998E+06	1.38008E+06	5.25393E+05	6.15296E+04
125	6	4.22580E+02	5.41304E+05	3.58902E+05	3.23544E+05	4.40422E+05	1.16572E+06	1.36429E+06	5.20048E+05	6.10546E+04
126	6	4.27580E+02	5.34805E+05	3.54595E+05	3.19650E+05	4.35125E+05	1.15179E+06	1.34887E+06	5.14810E+05	6.05865E+04
127	6	4.32580E+02	5.28455E+05	3.50388E+05	3.15847E+05	4.29951E+05	1.13819E+06	1.33379E+06	5.09674E+05	6.01252E+04
128	6	4.37580E+02	5.22251E+05	3.46279E+05	3.12130E+05	4.24895E+05	1.12490E+06	1.31905E+06	5.04637E+05	5.96702E+04
129	6	4.42580E+02	5.16188E+05	3.42262E+05	3.08498E+05	4.19954E+05	1.11191E+06	1.30463E+06	4.99696E+05	5.92216E+04
130	6	4.47580E+02	5.10262E+05	3.38334E+05	3.04948E+05	4.15124E+05	1.09921E+06	1.29052E+06	4.94848E+05	5.87790E+04
131	6	4.52580E+02	5.04466E+05	3.34494E+05	3.01476E+05	4.10401E+05	1.08679E+06	1.27672E+06	4.90089E+05	5.83424E+04
132	6	4.57580E+02	4.98797E+05	3.30738E+05	2.98080E+05	4.05781E+05	1.07464E+06	1.26321E+06	4.85417E+05	5.79115E+04
133	6	4.62580E+02	4.93251E+05	3.27065E+05	2.94758E+05	4.01262E+05	1.06276E+06	1.24999E+06	4.80829E+05	5.74861E+04
134	6	4.67580E+02	4.87824E+05	3.23469E+05	2.91506E+05	3.96840E+05	1.05114E+06	1.23703E+06	4.76323E+05	5.70661E+04
135	6	4.72580E+02	4.82512E+05	3.19949E+05	2.88324E+05	3.92512E+05	1.03976E+06	1.22435E+06	4.71897E+05	5.66514E+04
136	6	4.77580E+02	4.77311E+05	3.16503E+05	2.85209E+05	3.88274E+05	1.02861E+06	1.21192E+06	4.67547E+05	5.62418E+04
137	6	4.82580E+02	4.72218E+05	3.13130E+05	2.82157E+05	3.84125E+05	1.01770E+06	1.19974E+06	4.63271E+05	5.58372E+04
138	6	4.87580E+02	4.67230E+05	3.09826E+05	2.79169E+05	3.80060E+05	1.00702E+06	1.18780E+06	4.59068E+05	5.54373E+04
139	6	4.92580E+02	4.62343E+05	3.06588E+05	2.76241E+05	3.76079E+05	9.96550E+05	1.17609E+06	4.54935E+05	5.50422E+04
140	6	4.97580E+02	4.57555E+05	3.03416E+05	2.73372E+05	3.72178E+05	9.86292E+05	1.16461E+06	4.50870E+05	5.46516E+04
141	6	5.02580E+02	4.52862E+05	3.00307E+05	2.70562E+05	3.68354E+05	9.76239E+05	1.15336E+06	4.46872E+05	5.42655E+04
142	6	5.07580E+02	4.48261E+05	2.97261E+05	2.67807E+05	3.64606E+05	9.66384E+05	1.14231E+06	4.42938E+05	5.38836E+04
143	6	5.12580E+02	4.43751E+05	2.94273E+05	2.65107E+05	3.60932E+05	9.56721E+05	1.13147E+06	4.39066E+05	5.35060E+04
144	6	5.17580E+02	4.39327E+05	2.91342E+05	2.62459E+05	3.57328E+05	9.47246E+05	1.12084E+06	4.35256E+05	5.31325E+04
145	6	5.22580E+02	4.34989E+05	2.88469E+05	2.59862E+05	3.53794E+05	9.37952E+05	1.11040E+06	4.31504E+05	5.27630E+04
146	6	5.27580E+02	4.30733E+05	2.85650E+05	2.57315E+05	3.50326E+05	9.28834E+05	1.10014E+06	4.27810E+05	5.23974E+04
147	6	5.32580E+02	4.26556E+05	2.82884E+05	2.54815E+05	3.46924E+05	9.19888E+05	1.09008E+06	4.24173E+05	5.20356E+04
148	6	5.37580E+02	4.22458E+05	2.80169E+05	2.52362E+05	3.43585E+05	9.11108E+05	1.08019E+06	4.20589E+05	5.16774E+04
149	6	5.42580E+02	4.18435E+05	2.77505E+05	2.49954E+05	3.40310E+05	9.02490E+05	1.07048E+06	4.17059E+05	5.13229E+04
150	6	5.47580E+02	4.14486E+05	2.74890E+05	2.47590E+05	3.37095E+05	8.94030E+05	1.06093E+06	4.13581E+05	5.09719E+04
151	6	5.52580E+02	4.10608E+05	2.72321E+05	2.45269E+05	3.33938E+05	8.85723E+05	1.05156E+06	4.10153E+05	5.06244E+04
152	6	5.57580E+02	4.06800E+05	2.69800E+05	2.42990E+05	3.30838E+05	8.77565E+05	1.04234E+06	4.06774E+05	5.02801E+04
153	6	5.62580E+02	4.03059E+05	2.67323E+05	2.40752E+05	3.27793E+05	8.69552E+05	1.03328E+06	4.03443E+05	4.99392E+04
154	6	5.67580E+02	3.99385E+05	2.64889E+05	2.38553E+05	3.24802E+05	8.61680E+05	1.02437E+06	4.00159E+05	4.96014E+04
155	6	5.72580E+02	3.95775E+05	2.62498E+05	2.36393E+05	3.21862E+05	8.53945E+05	1.01561E+06	3.96920E+05	4.92668E+04
156	6	5.77580E+02	3.92227E+05	2.60149E+05	2.34270E+05	3.18974E+05	8.46344E+05	1.00699E+06	3.93726E+05	4.89352E+04
157	6	5.82580E+02	3.88741E+05	2.57840E+05	2.32183E+05	3.16135E+05	8.38874E+05	9.98512E+05	3.90575E+05	4.86066E+04
158	6	5.87580E+02	3.85313E+05	2.55570E+05	2.30132E+05	3.13344E+05	8.31531E+05	9.90173E+05	3.87466E+05	4.82809E+04
159	6	5.92580E+02	3.81944E+05	2.53339E+05	2.28116E+05	3.10600E+05	8.24312E+05	9.81966E+05	3.84398E+05	4.79580E+04
160	6	5.97580E+02	3.78631E+05	2.51145E+05	2.26134E+05	3.07901E+05	8.17214E+05	9.73890E+05	3.81371E+05	4.76379E+04
161	6	6.02580E+02	3.75373E+05	2.48987E+05	2.24184E+05	3.05247E+05	8.10233E+05	9.65941E+05	3.78383E+05	4.73205E+04
162	6	6.07580E+02	3.72169E+05	2.46865E+05	2.22266E+05	3.02636E+05	8.03367E+05	9.58115E+05	3.75433E+05	4.70058E+04
163	6	6.12580E+02	3.69018E+05	2.44777E+05	2.20380E+05	3.00071E+05	7.96613E+05	9.50411E+05	3.72521E+05	4.66937E+04
164	6	6.17580E+02	3.65917E+05	2.42723E+05	2.18524E+05	2.97548E+05	7.89968E+05	9.42823E+05	3.69645E+05	4.63841E+04
165	6	6.22580E+02	3.62866E+05	2.40702E+05	2.16697E+05	2.95063E+05	7.83430E+05	9.35351E+05	3.66805E+05	4.60769E+04
166	6	6.27580E+02	3.59864E+05	2.38714E+05	2.14900E+05	2.92617E+05	7.76996E+05	9.27991E+05	3.64000E+05	4.57722E+04
167	6	6.32580E+02	3.56910E+05	2.36759E+05	2.13130E+05	2.90208E+05	7.70664E+05	9.20740E+05	3.61229E+05	4.54699E+04
168	6	6.37580E+02	3.54001E+05	2.34833E+05	2.11391E+05	2.87836E+05	7.64430E+05	9.13596E+05	3.58491E+05	4.51698E+04
169	6	6.42580E+02	3.51139E+05	2.32938E+05	2.09680E+05	2.85505E+05	7.58294E+05	9.06556E+05	3.55787E+05	4.48721E+04
170	6	6.47580E+02	3.48320E+05	2.31072E+05	2.07993E+05	2.83210E+05	7.52252E+05	8.99618E+05	3.53114E+05	4.45766E+04
171	6	6.52580E+02	3.45545E+05	2.29235E+05	2.06331E+05	2.80946E+05	7.46303E+05	8.92780E+05	3.50472E+05	4.42832E+04
172	6	6.57580E+02	3.42811E+05	2.27424E+05	2.04694E+05	2.78718E+05	7.40444E+05	8.86038E+05	3.47861E+05	4.39920E+04
173	6	6.62580E+02	3.40120E+05	2.25642E+05	2.03081E+05	2.76526E+05	7.34673E+05	8.79392E+05	3.45279E+05	4.37029E+04
174	6	6.67580E+02	3.37468E+05	2.23887E+05	2.01492E+05	2.74367E+05	7.28989E+05	8.72839E+05	3.42727E+05	4.34158E+04
175	6	6.72580E+02	3.34856E+05	2.22157E+05	1.99929E+05	2.72240E+05	7.23388E+05	8.66376E+05	3.40204E+05	4.31306E+04
176	6	6.77580E+02	3.32283E+05	2.20452E+05	1.98389E+05	2.70144E+05	7.17871E+05	8.60002E+05	3.37709E+05	4.28475E+04
177	6	6.82580E+02	3.29747E+05	2.18772E+05	1.96869E+05	2.68078E+05	7.12434E+05	8.53715E+05	3.35240E+05	4.25662E+04
178	6	6.87580E+02	3.27248E+05	2.17115E+05	1.95370E+05	2.66043E+05	7.07076E+05	8.47513E+05	3.32799E+05	4.22869E+04
179	6	6.92580E+02	3.24785E+05	2.15486E+05	1.93894E+05	2.64036E+05	7.01795E+05	8.41393E+05	3.30384E+05	4.20093E+04
180	6	6.97580E+02	3.22358E+05	2.13882E+05	1.92441E+05	2.62058E+05	6.96589E+05	8.35355E+05	3.27994E+05	4.17336E+04

181	6	7.02580E+02	3.19965E+05	2.12296E+05	1.91009E+05	2.60107E+05	6.91458E+05	8.29396E+05	3.25630E+05	4.14596E+04
182	6	7.07580E+02	3.17605E+05	2.10733E+05	1.89597E+05	2.58184E+05	6.86399E+05	8.23515E+05	3.23290E+05	4.11874E+04
183	6	7.12580E+02	3.15279E+05	2.09190E+05	1.88204E+05	2.56289E+05	6.81410E+05	8.17710E+05	3.20974E+05	4.09168E+04
184	6	7.17580E+02	3.12985E+05	2.07668E+05	1.86831E+05	2.54420E+05	6.76491E+05	8.11979E+05	3.18682E+05	4.06479E+04
185	6	7.22580E+02	3.10722E+05	2.06167E+05	1.85476E+05	2.52576E+05	6.71640E+05	8.06320E+05	3.16413E+05	4.03806E+04
186	6	7.27580E+02	3.08491E+05	2.04688E+05	1.84140E+05	2.50758E+05	6.66855E+05	8.00734E+05	3.14167E+05	4.01148E+04
187	6	7.32580E+02	3.06289E+05	2.03230E+05	1.82822E+05	2.48965E+05	6.62136E+05	7.95216E+05	3.11943E+05	3.98507E+04
188	6	7.37580E+02	3.04117E+05	2.01787E+05	1.81521E+05	2.47196E+05	6.57480E+05	7.89768E+05	3.09741E+05	3.95880E+04
189	6	7.42580E+02	3.01974E+05	2.00366E+05	1.80238E+05	2.45451E+05	6.52886E+05	7.84386E+05	3.07560E+05	3.93269E+04
190	6	7.47580E+02	2.99860E+05	1.98966E+05	1.78972E+05	2.43729E+05	6.48354E+05	7.79069E+05	3.05400E+05	3.90672E+04
191	6	7.52580E+02	2.97773E+05	1.97585E+05	1.77724E+05	2.42031E+05	6.43882E+05	7.73817E+05	3.03261E+05	3.88089E+04
192	6	7.57580E+02	2.95713E+05	1.96222E+05	1.76492E+05	2.40354E+05	6.39469E+05	7.68627E+05	3.01141E+05	3.85520E+04
193	6	7.62580E+02	2.93679E+05	1.94876E+05	1.75276E+05	2.38700E+05	6.35113E+05	7.63500E+05	2.99041E+05	3.82965E+04
194	6	7.67580E+02	2.91673E+05	1.93546E+05	1.74076E+05	2.37067E+05	6.30814E+05	7.58432E+05	2.96961E+05	3.80423E+04
195	6	7.72580E+02	2.89692E+05	1.92234E+05	1.72891E+05	2.35455E+05	6.26570E+05	7.53424E+05	2.94899E+05	3.77895E+04
196	6	7.77580E+02	2.87741E+05	1.90939E+05	1.71722E+05	2.33864E+05	6.22381E+05	7.48473E+05	2.92856E+05	3.75379E+04
197	6	7.82580E+02	2.85814E+05	1.89661E+05	1.70567E+05	2.32293E+05	6.18244E+05	7.43579E+05	2.90832E+05	3.72875E+04
198	6	7.87580E+02	2.83909E+05	1.88399E+05	1.69428E+05	2.30742E+05	6.14161E+05	7.38741E+05	2.88825E+05	3.70384E+04
199	6	7.92580E+02	2.82026E+05	1.87153E+05	1.68302E+05	2.29211E+05	6.10128E+05	7.33957E+05	2.86835E+05	3.67905E+04
200	6	7.97580E+02	2.80165E+05	1.85923E+05	1.67191E+05	2.27699E+05	6.06146E+05	7.29227E+05	2.84863E+05	3.65438E+04
201	6	8.02580E+02	2.78327E+05	1.84708E+05	1.66093E+05	2.26205E+05	6.02213E+05	7.24549E+05	2.82907E+05	3.62982E+04
202	6	8.07580E+02	2.76514E+05	1.83508E+05	1.65009E+05	2.24730E+05	5.98328E+05	7.19923E+05	2.80968E+05	3.60537E+04
203	6	8.12580E+02	2.74723E+05	1.82323E+05	1.63938E+05	2.23274E+05	5.94492E+05	7.15346E+05	2.79045E+05	3.58104E+04
204	6	8.17580E+02	2.72952E+05	1.81152E+05	1.62881E+05	2.21835E+05	5.90701E+05	7.10819E+05	2.77137E+05	3.55681E+04
205	6	8.22580E+02	2.71206E+05	1.79995E+05	1.61836E+05	2.20413E+05	5.86957E+05	7.06341E+05	2.75245E+05	3.53268E+04
206	6	8.27580E+02	2.69480E+05	1.78853E+05	1.60804E+05	2.19008E+05	5.83257E+05	7.01910E+05	2.73369E+05	3.50866E+04
207	6	8.32580E+02	2.67774E+05	1.77724E+05	1.59784E+05	2.17621E+05	5.79602E+05	6.97525E+05	2.71507E+05	3.48473E+04
208	6	8.37580E+02	2.66089E+05	1.76608E+05	1.58776E+05	2.16250E+05	5.75990E+05	6.93186E+05	2.69660E+05	3.46090E+04
209	6	8.42580E+02	2.64422E+05	1.75506E+05	1.57781E+05	2.14895E+05	5.72421E+05	6.88892E+05	2.67827E+05	3.43717E+04
210	6	8.47580E+02	2.62775E+05	1.74417E+05	1.56797E+05	2.13556E+05	5.68893E+05	6.84641E+05	2.66008E+05	3.41353E+04
211	6	8.52580E+02	2.61149E+05	1.73340E+05	1.55824E+05	2.12233E+05	5.65407E+05	6.80434E+05	2.64203E+05	3.38997E+04
212	6	8.57580E+02	2.59542E+05	1.72276E+05	1.54863E+05	2.10925E+05	5.61961E+05	6.76268E+05	2.62411E+05	3.36651E+04
213	6	8.62580E+02	2.57954E+05	1.71224E+05	1.53913E+05	2.09633E+05	5.58554E+05	6.72144E+05	2.60632E+05	3.34312E+04
214	6	8.67580E+02	2.56384E+05	1.70184E+05	1.52974E+05	2.08355E+05	5.55187E+05	6.68061E+05	2.58866E+05	3.31982E+04
215	6	8.72580E+02	2.54831E+05	1.69156E+05	1.52046E+05	2.07092E+05	5.51857E+05	6.64017E+05	2.57113E+05	3.29660E+04
216	6	8.77580E+02	2.53297E+05	1.68140E+05	1.51129E+05	2.05843E+05	5.48566E+05	6.60012E+05	2.55372E+05	3.27346E+04
217	6	8.82580E+02	2.51780E+05	1.67136E+05	1.50221E+05	2.04608E+05	5.45311E+05	6.56045E+05	2.53643E+05	3.25038E+04
218	6	8.87580E+02	2.50279E+05	1.66142E+05	1.49324E+05	2.03388E+05	5.42093E+05	6.52116E+05	2.51926E+05	3.22738E+04
219	6	8.92580E+02	2.48796E+05	1.65160E+05	1.48438E+05	2.02181E+05	5.38910E+05	6.48223E+05	2.50220E+05	3.20445E+04
220	6	8.97580E+02	2.47329E+05	1.64189E+05	1.47561E+05	2.00987E+05	5.35763E+05	6.44366E+05	2.48526E+05	3.18159E+04
221	6	9.02580E+02	2.45878E+05	1.63229E+05	1.46693E+05	1.99807E+05	5.32650E+05	6.40544E+05	2.46842E+05	3.15879E+04
222	6	9.07580E+02	2.44443E+05	1.62279E+05	1.45835E+05	1.98640E+05	5.29571E+05	6.36757E+05	2.45170E+05	3.13605E+04
223	6	9.12580E+02	2.43024E+05	1.61340E+05	1.44987E+05	1.97485E+05	5.26525E+05	6.33004E+05	2.43507E+05	3.11336E+04
224	6	9.17580E+02	2.41621E+05	1.60411E+05	1.44148E+05	1.96343E+05	5.23512E+05	6.29283E+05	2.41855E+05	3.09074E+04
225	6	9.22580E+02	2.40232E+05	1.59492E+05	1.43318E+05	1.95214E+05	5.20532E+05	6.25595E+05	2.40213E+05	3.06816E+04
226	6	9.27580E+02	2.38859E+05	1.58583E+05	1.42497E+05	1.94097E+05	5.17583E+05	6.21939E+05	2.38580E+05	3.04563E+04
227	6	9.32580E+02	2.37500E+05	1.57684E+05	1.41685E+05	1.92992E+05	5.14666E+05	6.18314E+05	2.36957E+05	3.02315E+04
228	6	9.37580E+02	2.36156E+05	1.56795E+05	1.40881E+05	1.91899E+05	5.11779E+05	6.14719E+05	2.35343E+05	3.00072E+04
229	6	9.42580E+02	2.34826E+05	1.55915E+05	1.40086E+05	1.90817E+05	5.08922E+05	6.11153E+05	2.33738E+05	2.97832E+04
230	6	9.47580E+02	2.33510E+05	1.55045E+05	1.39300E+05	1.89746E+05	5.06095E+05	6.07617E+05	2.32141E+05	2.95595E+04
231	6	9.52580E+02	2.32208E+05	1.54183E+05	1.38521E+05	1.88687E+05	5.03297E+05	6.04109E+05	2.30553E+05	2.93362E+04
232	6	9.57580E+02	2.30919E+05	1.53331E+05	1.37751E+05	1.87640E+05	5.00529E+05	6.00628E+05	2.28972E+05	2.91132E+04
233	6	9.62580E+02	2.29644E+05	1.52487E+05	1.36989E+05	1.86602E+05	4.97788E+05	5.97174E+05	2.27399E+05	2.88905E+04
234	6	9.67580E+02	2.28382E+05	1.51652E+05	1.36235E+05	1.85576E+05	4.95075E+05	5.93747E+05	2.25834E+05	2.86679E+04
235	6	9.72580E+02	2.27134E+05	1.50826E+05	1.35489E+05	1.84561E+05	4.92390E+05	5.90345E+05	2.24276E+05	2.84455E+04
236	6	9.77580E+02	2.25898E+05	1.50008E+05	1.34750E+05	1.83555E+05	4.89731E+05	5.86968E+05	2.22724E+05	2.82233E+04
237	6	9.82580E+02	2.24674E+05	1.49198E+05	1.34019E+05	1.82560E+05	4.87099E+05	5.83615E+05	2.21179E+05	2.80011E+04
238	6	9.87580E+02	2.23463E+05	1.48397E+05	1.33295E+05	1.81576E+05	4.84493E+05	5.80286E+05	2.19641E+05	2.77790E+04
239	6	9.92580E+02	2.22265E+05	1.47604E+05	1.32579E+05	1.80601E+05	4.81913E+05	5.76979E+05	2.18108E+05	2.75568E+04
240	6	9.97580E+02	2.21078E+05	1.46818E+05	1.31870E+05	1.79636E+05	4.79358E+05	5.73695E+05	2.16580E+05	2.73346E+04

241	6	1.00258E+03	2.19904E+05	1.46041E+05	1.31168E+05	1.78681E+05	4.76828E+05	5.70432E+05	2.15058E+05	2.71123E+04
242	6	1.00758E+03	2.18743E+05	1.45272E+05	1.30473E+05	1.77735E+05	4.74323E+05	5.67189E+05	2.13540E+05	2.68898E+04
243	6	1.01258E+03	2.17594E+05	1.44510E+05	1.29785E+05	1.76798E+05	4.71842E+05	5.63967E+05	2.12027E+05	2.66670E+04
244	6	1.01758E+03	2.16456E+05	1.43756E+05	1.29104E+05	1.75871E+05	4.69384E+05	5.60763E+05	2.10518E+05	2.64440E+04
245	6	1.02258E+03	2.15330E+05	1.43009E+05	1.28430E+05	1.74953E+05	4.66950E+05	5.57578E+05	2.09013E+05	2.62206E+04
246	6	1.02758E+03	2.14214E+05	1.42269E+05	1.27762E+05	1.74045E+05	4.64539E+05	5.54410E+05	2.07511E+05	2.59967E+04
247	6	1.03258E+03	2.13109E+05	1.41537E+05	1.27101E+05	1.73145E+05	4.62150E+05	5.51259E+05	2.06011E+05	2.57724E+04
248	6	1.03758E+03	2.12015E+05	1.40813E+05	1.26446E+05	1.72253E+05	4.59784E+05	5.48124E+05	2.04514E+05	2.55474E+04
249	6	1.04258E+03	2.10931E+05	1.40095E+05	1.25798E+05	1.71371E+05	4.57439E+05	5.45004E+05	2.03018E+05	2.53218E+04
250	6	1.04758E+03	2.09858E+05	1.39384E+05	1.25156E+05	1.70497E+05	4.55116E+05	5.41898E+05	2.01524E+05	2.50954E+04
251	6	1.05258E+03	2.08795E+05	1.38680E+05	1.24520E+05	1.69631E+05	4.52815E+05	5.38805E+05	2.00031E+05	2.48682E+04
252	6	1.05758E+03	2.07742E+05	1.37983E+05	1.23891E+05	1.68774E+05	4.50534E+05	5.35724E+05	1.98538E+05	2.46400E+04
253	6	1.06258E+03	2.06699E+05	1.37293E+05	1.23267E+05	1.67925E+05	4.48273E+05	5.32654E+05	1.97044E+05	2.44107E+04
254	6	1.06758E+03	2.05666E+05	1.36609E+05	1.22649E+05	1.67084E+05	4.46033E+05	5.29594E+05	1.95550E+05	2.41803E+04
255	6	1.07258E+03	2.04643E+05	1.35932E+05	1.22037E+05	1.66251E+05	4.43813E+05	5.26544E+05	1.94053E+05	2.39485E+04
256	6	1.07758E+03	2.03629E+05	1.35262E+05	1.21431E+05	1.65425E+05	4.41613E+05	5.23501E+05	1.92555E+05	2.37154E+04
257	6	1.08258E+03	2.02625E+05	1.34598E+05	1.20831E+05	1.64608E+05	4.39431E+05	5.20465E+05	1.91053E+05	2.34806E+04
258	6	1.08758E+03	2.01630E+05	1.33941E+05	1.20237E+05	1.63798E+05	4.37269E+05	5.17434E+05	1.89548E+05	2.32442E+04

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 TOTAL FLUX - G=GROUP NO. N= 64

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3
1	1	2.50000E-01	9.80256E+07	7.22916E+06	5.44876E+06
2	1	1.00000E+00	9.76643E+07	7.22175E+06	5.44515E+06
3	1	2.67567E+00	9.78913E+07	7.22632E+06	5.44737E+06
4	1	5.02700E+00	9.77263E+07	7.22305E+06	5.44578E+06
5	1	7.37833E+00	9.79122E+07	7.22669E+06	5.44755E+06
6	1	9.72967E+00	9.77038E+07	7.22266E+06	5.44560E+06
7	1	1.20810E+01	9.79356E+07	7.22708E+06	5.44775E+06
8	1	1.44323E+01	9.76795E+07	7.22226E+06	5.44540E+06
9	1	1.67837E+01	9.79610E+07	7.22748E+06	5.44794E+06
10	1	1.91350E+01	9.76531E+07	7.22186E+06	5.44521E+06
11	1	2.14863E+01	9.79885E+07	7.22788E+06	5.44813E+06
12	1	2.38377E+01	9.76243E+07	7.22146E+06	5.44502E+06
13	1	2.61890E+01	9.80186E+07	7.22829E+06	5.44832E+06
14	1	2.85403E+01	9.75927E+07	7.22105E+06	5.44482E+06
15	1	3.08917E+01	9.80519E+07	7.22870E+06	5.44852E+06
16	1	3.32430E+01	9.75578E+07	7.22065E+06	5.44462E+06
17	1	3.55943E+01	9.80886E+07	7.22910E+06	5.44872E+06
18	1	3.79457E+01	9.75189E+07	7.22024E+06	5.44443E+06
19	1	4.02970E+01	9.81297E+07	7.22952E+06	5.44892E+06
20	1	4.26483E+01	9.74754E+07	7.21982E+06	5.44423E+06
21	1	4.49997E+01	9.81758E+07	7.22993E+06	5.44911E+06
22	1	4.73510E+01	9.74264E+07	7.21940E+06	5.44403E+06
23	1	4.97023E+01	9.82277E+07	7.23035E+06	5.44931E+06
24	1	5.20537E+01	9.73712E+07	7.21898E+06	5.44383E+06
25	1	5.44050E+01	9.82866E+07	7.23077E+06	5.44951E+06
26	1	5.67563E+01	9.73084E+07	7.21856E+06	5.44363E+06
27	1	5.91077E+01	9.83534E+07	7.23120E+06	5.44971E+06
28	1	6.14590E+01	9.72369E+07	7.21813E+06	5.44343E+06
29	1	6.38103E+01	9.84296E+07	7.23163E+06	5.44992E+06
30	1	6.61617E+01	9.71551E+07	7.21770E+06	5.44323E+06
31	1	6.85130E+01	9.85165E+07	7.23207E+06	5.45012E+06
32	1	7.08643E+01	9.70608E+07	7.21726E+06	5.44302E+06
33	1	7.27900E+01	9.90970E+07	7.23699E+06	5.45247E+06
34	1	7.37900E+01	9.29969E+07	7.18480E+06	5.42755E+06

0

35	2	7.43575E+01	5.13266E+06	1.55961E+04	2.49778E+03
36	2	7.49925E+01	2.54313E+06	8.83253E+01	2.01305E-01
37	2	7.56275E+01	2.32046E+06	8.13276E+01	1.97242E-01
38	2	7.62625E+01	1.59845E+06	5.57475E+01	1.89940E-01

0					
39	3	7.68300E+01	2.07443E+06	9.05395E+01	2.24578E-01
40	3	7.73300E+01	2.05791E+06	8.99268E+01	2.22551E-01
41	3	7.78300E+01	2.04248E+06	8.92413E+01	2.20450E-01
0					
42	4	7.83300E+01	1.16445E+06	3.78776E+01	9.18914E-02
43	4	7.88300E+01	7.94115E+05	2.56902E+01	8.79097E-02
44	4	7.93300E+01	6.92190E+05	2.26239E+01	8.45512E-02
45	4	7.98300E+01	5.24925E+05	1.71209E+01	8.09213E-02
0					
46	5	8.03300E+01	5.98384E+05	2.28716E+01	2.21178E-01
47	5	8.10800E+01	4.44694E+05	1.70998E+01	2.09942E-01
48	5	8.20800E+01	2.88954E+05	1.14385E+01	1.93687E-01
49	5	8.30800E+01	1.75339E+05	7.14119E+00	1.76818E-01
50	5	8.40800E+01	1.13461E+05	4.87609E+00	1.58418E-01
51	5	8.50800E+01	6.75157E+04	3.06743E+00	1.39405E-01
52	5	8.60800E+01	4.41620E+04	2.15830E+00	1.19033E-01
53	5	8.70800E+01	2.61103E+04	1.38186E+00	9.82699E-02
54	5	8.80800E+01	1.70498E+04	9.70635E-01	7.63459E-02
55	5	8.90800E+01	9.40438E+03	5.75285E-01	5.37257E-02
56	5	8.98300E+01	4.85273E+03	3.46369E-01	3.48445E-02
0					
57	6	9.03300E+01	1.94628E+03	1.12181E+00	4.14959E-02
58	6	9.10800E+01	1.98064E+03	1.14425E+00	4.06913E-02
59	6	9.25800E+01	2.04454E+03	1.18652E+00	3.92970E-02
60	6	9.55800E+01	2.16075E+03	1.26528E+00	3.71151E-02
61	6	1.00236E+02	2.30676E+03	1.36851E+00	3.46078E-02
62	6	1.05549E+02	2.42901E+03	1.46066E+00	3.25310E-02
63	6	1.10861E+02	2.51784E+03	1.53275E+00	3.09583E-02
64	6	1.16174E+02	2.58606E+03	1.59200E+00	2.96832E-02
65	6	1.21486E+02	2.64085E+03	1.64268E+00	2.86095E-02
66	6	1.26799E+02	2.68497E+03	1.68637E+00	2.76840E-02
67	6	1.32111E+02	2.72174E+03	1.72473E+00	2.68734E-02
68	6	1.37424E+02	2.75278E+03	1.75915E+00	2.61550E-02
69	6	1.42580E+02	2.77805E+03	1.78946E+00	2.55293E-02
70	6	1.47580E+02	2.79868E+03	1.81600E+00	2.49809E-02
71	6	1.52580E+02	2.81643E+03	1.84017E+00	2.44806E-02
72	6	1.57580E+02	2.83172E+03	1.86243E+00	2.40219E-02
73	6	1.62580E+02	2.84459E+03	1.88297E+00	2.35994E-02
74	6	1.67580E+02	2.85536E+03	1.90181E+00	2.32086E-02
75	6	1.72580E+02	2.86429E+03	1.91912E+00	2.28459E-02
76	6	1.77580E+02	2.87160E+03	1.93505E+00	2.25081E-02
77	6	1.82580E+02	2.87747E+03	1.94973E+00	2.21926E-02
78	6	1.87580E+02	2.88206E+03	1.96327E+00	2.18970E-02
79	6	1.92580E+02	2.88550E+03	1.97575E+00	2.16193E-02
80	6	1.97580E+02	2.88791E+03	1.98728E+00	2.13578E-02
81	6	2.02580E+02	2.88939E+03	1.99791E+00	2.11110E-02
82	6	2.07580E+02	2.89002E+03	2.00772E+00	2.08776E-02
83	6	2.12580E+02	2.88989E+03	2.01675E+00	2.06563E-02
84	6	2.17580E+02	2.88905E+03	2.02507E+00	2.04461E-02
85	6	2.22580E+02	2.88758E+03	2.03272E+00	2.02460E-02
86	6	2.27580E+02	2.88551E+03	2.03974E+00	2.00553E-02
87	6	2.32580E+02	2.88291E+03	2.04617E+00	1.98731E-02
88	6	2.37580E+02	2.87980E+03	2.05204E+00	1.96988E-02
89	6	2.42580E+02	2.87624E+03	2.05738E+00	1.95317E-02
90	6	2.47580E+02	2.87225E+03	2.06223E+00	1.93714E-02
91	6	2.52580E+02	2.86787E+03	2.06660E+00	1.92173E-02
92	6	2.57580E+02	2.86312E+03	2.07053E+00	1.90689E-02
93	6	2.62580E+02	2.85803E+03	2.07403E+00	1.89258E-02
94	6	2.67580E+02	2.85262E+03	2.07713E+00	1.87876E-02

95	6	2.72580E+02	2.84692E+03	2.07985E+00	1.86541E-02
96	6	2.77580E+02	2.84094E+03	2.08219E+00	1.85247E-02
97	6	2.82580E+02	2.83470E+03	2.08418E+00	1.83994E-02
98	6	2.87580E+02	2.82822E+03	2.08584E+00	1.82777E-02
99	6	2.92580E+02	2.82151E+03	2.08718E+00	1.81594E-02
100	6	2.97580E+02	2.81458E+03	2.08820E+00	1.80444E-02
101	6	3.02580E+02	2.80746E+03	2.08893E+00	1.79323E-02
102	6	3.07580E+02	2.80014E+03	2.08937E+00	1.78230E-02
103	6	3.12580E+02	2.79265E+03	2.08954E+00	1.77163E-02
104	6	3.17580E+02	2.78499E+03	2.08944E+00	1.76120E-02
105	6	3.22580E+02	2.77717E+03	2.08909E+00	1.75100E-02
106	6	3.27580E+02	2.76920E+03	2.08850E+00	1.74100E-02
107	6	3.32580E+02	2.76109E+03	2.08766E+00	1.73121E-02
108	6	3.37580E+02	2.75284E+03	2.08660E+00	1.72160E-02
109	6	3.42580E+02	2.74447E+03	2.08532E+00	1.71216E-02
110	6	3.47580E+02	2.73598E+03	2.08382E+00	1.70288E-02
111	6	3.52580E+02	2.72737E+03	2.08211E+00	1.69375E-02
112	6	3.57580E+02	2.71865E+03	2.08020E+00	1.68476E-02
113	6	3.62580E+02	2.70983E+03	2.07810E+00	1.67590E-02
114	6	3.67580E+02	2.70091E+03	2.07581E+00	1.66717E-02
115	6	3.72580E+02	2.69190E+03	2.07333E+00	1.65854E-02
116	6	3.77580E+02	2.68280E+03	2.07068E+00	1.65003E-02
117	6	3.82580E+02	2.67361E+03	2.06785E+00	1.64161E-02
118	6	3.87580E+02	2.66434E+03	2.06486E+00	1.63328E-02
119	6	3.92580E+02	2.65500E+03	2.06170E+00	1.62504E-02
120	6	3.97580E+02	2.64558E+03	2.05838E+00	1.61688E-02
121	6	4.02580E+02	2.63609E+03	2.05490E+00	1.60880E-02
122	6	4.07580E+02	2.62653E+03	2.05128E+00	1.60078E-02
123	6	4.12580E+02	2.61691E+03	2.04750E+00	1.59283E-02
124	6	4.17580E+02	2.60723E+03	2.04358E+00	1.58493E-02
125	6	4.22580E+02	2.59749E+03	2.03953E+00	1.57709E-02
126	6	4.27580E+02	2.58769E+03	2.03533E+00	1.56930E-02
127	6	4.32580E+02	2.57783E+03	2.03100E+00	1.56156E-02
128	6	4.37580E+02	2.56793E+03	2.02654E+00	1.55386E-02
129	6	4.42580E+02	2.55797E+03	2.02195E+00	1.54619E-02
130	6	4.47580E+02	2.54797E+03	2.01724E+00	1.53857E-02
131	6	4.52580E+02	2.53792E+03	2.01240E+00	1.53097E-02
132	6	4.57580E+02	2.52782E+03	2.00745E+00	1.52340E-02
133	6	4.62580E+02	2.51769E+03	2.00237E+00	1.51586E-02
134	6	4.67580E+02	2.50751E+03	1.99719E+00	1.50835E-02
135	6	4.72580E+02	2.49729E+03	1.99189E+00	1.50085E-02
136	6	4.77580E+02	2.48704E+03	1.98648E+00	1.49337E-02
137	6	4.82580E+02	2.47674E+03	1.98096E+00	1.48591E-02
138	6	4.87580E+02	2.46642E+03	1.97533E+00	1.47846E-02
139	6	4.92580E+02	2.45605E+03	1.96961E+00	1.47103E-02
140	6	4.97580E+02	2.44566E+03	1.96378E+00	1.46360E-02
141	6	5.02580E+02	2.43523E+03	1.95785E+00	1.45618E-02
142	6	5.07580E+02	2.42477E+03	1.95182E+00	1.44877E-02
143	6	5.12580E+02	2.41429E+03	1.94570E+00	1.44136E-02
144	6	5.17580E+02	2.40377E+03	1.93948E+00	1.43396E-02
145	6	5.22580E+02	2.39323E+03	1.93317E+00	1.42655E-02
146	6	5.27580E+02	2.38265E+03	1.92677E+00	1.41915E-02
147	6	5.32580E+02	2.37206E+03	1.92027E+00	1.41174E-02
148	6	5.37580E+02	2.36143E+03	1.91369E+00	1.40433E-02
149	6	5.42580E+02	2.35078E+03	1.90703E+00	1.39692E-02
150	6	5.47580E+02	2.34011E+03	1.90027E+00	1.38950E-02
151	6	5.52580E+02	2.32942E+03	1.89344E+00	1.38207E-02
152	6	5.57580E+02	2.31870E+03	1.88652E+00	1.37463E-02
153	6	5.62580E+02	2.30796E+03	1.87952E+00	1.36719E-02
154	6	5.67580E+02	2.29720E+03	1.87244E+00	1.35973E-02

155	6	5.72580E+02	2.28642E+03	1.86528E+00	1.35227E-02
156	6	5.77580E+02	2.27562E+03	1.85804E+00	1.34479E-02
157	6	5.82580E+02	2.26480E+03	1.85073E+00	1.33730E-02
158	6	5.87580E+02	2.25396E+03	1.84334E+00	1.32979E-02
159	6	5.92580E+02	2.24310E+03	1.83588E+00	1.32227E-02
160	6	5.97580E+02	2.23222E+03	1.82834E+00	1.31474E-02
161	6	6.02580E+02	2.22132E+03	1.82073E+00	1.30719E-02
162	6	6.07580E+02	2.21041E+03	1.81305E+00	1.29962E-02
163	6	6.12580E+02	2.19948E+03	1.80530E+00	1.29203E-02
164	6	6.17580E+02	2.18853E+03	1.79748E+00	1.28443E-02
165	6	6.22580E+02	2.17757E+03	1.78960E+00	1.27680E-02
166	6	6.27580E+02	2.16659E+03	1.78164E+00	1.26916E-02
167	6	6.32580E+02	2.15560E+03	1.77362E+00	1.26150E-02
168	6	6.37580E+02	2.14459E+03	1.76553E+00	1.25381E-02
169	6	6.42580E+02	2.13356E+03	1.75738E+00	1.24611E-02
170	6	6.47580E+02	2.12252E+03	1.74916E+00	1.23838E-02
171	6	6.52580E+02	2.11146E+03	1.74088E+00	1.23063E-02
172	6	6.57580E+02	2.10039E+03	1.73254E+00	1.22286E-02
173	6	6.62580E+02	2.08931E+03	1.72414E+00	1.21506E-02
174	6	6.67580E+02	2.07821E+03	1.71567E+00	1.20724E-02
175	6	6.72580E+02	2.06710E+03	1.70714E+00	1.19940E-02
176	6	6.77580E+02	2.05598E+03	1.69856E+00	1.19153E-02
177	6	6.82580E+02	2.04484E+03	1.68991E+00	1.18363E-02
178	6	6.87580E+02	2.03369E+03	1.68121E+00	1.17571E-02
179	6	6.92580E+02	2.02252E+03	1.67245E+00	1.16776E-02
180	6	6.97580E+02	2.01134E+03	1.66363E+00	1.15979E-02
181	6	7.02580E+02	2.00015E+03	1.65475E+00	1.15179E-02
182	6	7.07580E+02	1.98895E+03	1.64582E+00	1.14376E-02
183	6	7.12580E+02	1.97773E+03	1.63683E+00	1.13571E-02
184	6	7.17580E+02	1.96650E+03	1.62779E+00	1.12762E-02
185	6	7.22580E+02	1.95526E+03	1.61869E+00	1.11951E-02
186	6	7.27580E+02	1.94400E+03	1.60954E+00	1.11137E-02
187	6	7.32580E+02	1.93274E+03	1.60033E+00	1.10320E-02
188	6	7.37580E+02	1.92146E+03	1.59107E+00	1.09500E-02
189	6	7.42580E+02	1.91016E+03	1.58176E+00	1.08677E-02
190	6	7.47580E+02	1.89886E+03	1.57240E+00	1.07851E-02
191	6	7.52580E+02	1.88754E+03	1.56298E+00	1.07022E-02
192	6	7.57580E+02	1.87621E+03	1.55351E+00	1.06190E-02
193	6	7.62580E+02	1.86487E+03	1.54399E+00	1.05354E-02
194	6	7.67580E+02	1.85352E+03	1.53442E+00	1.04515E-02
195	6	7.72580E+02	1.84215E+03	1.52480E+00	1.03674E-02
196	6	7.77580E+02	1.83077E+03	1.51513E+00	1.02828E-02
197	6	7.82580E+02	1.81938E+03	1.50541E+00	1.01980E-02
198	6	7.87580E+02	1.80797E+03	1.49564E+00	1.01128E-02
199	6	7.92580E+02	1.79655E+03	1.48582E+00	1.00272E-02
200	6	7.97580E+02	1.78512E+03	1.47595E+00	9.94135E-03
201	6	8.02580E+02	1.77367E+03	1.46603E+00	9.85512E-03
202	6	8.07580E+02	1.76222E+03	1.45606E+00	9.76852E-03
203	6	8.12580E+02	1.75074E+03	1.44605E+00	9.68157E-03
204	6	8.17580E+02	1.73926E+03	1.43598E+00	9.59424E-03
205	6	8.22580E+02	1.72776E+03	1.42587E+00	9.50655E-03
206	6	8.27580E+02	1.71624E+03	1.41571E+00	9.41847E-03
207	6	8.32580E+02	1.70471E+03	1.40550E+00	9.33001E-03
208	6	8.37580E+02	1.69317E+03	1.39525E+00	9.24116E-03
209	6	8.42580E+02	1.68161E+03	1.38494E+00	9.15192E-03
210	6	8.47580E+02	1.67004E+03	1.37459E+00	9.06227E-03
211	6	8.52580E+02	1.65845E+03	1.36419E+00	8.97221E-03
212	6	8.57580E+02	1.64684E+03	1.35374E+00	8.88173E-03
213	6	8.62580E+02	1.63522E+03	1.34324E+00	8.79083E-03
214	6	8.67580E+02	1.62358E+03	1.33269E+00	8.69949E-03

215	6	8.72580E+02	1.61192E+03	1.32210E+00	8.60772E-03
216	6	8.77580E+02	1.60024E+03	1.31146E+00	8.51549E-03
217	6	8.82580E+02	1.58855E+03	1.30076E+00	8.42280E-03
218	6	8.87580E+02	1.57684E+03	1.29002E+00	8.32964E-03
219	6	8.92580E+02	1.56510E+03	1.27923E+00	8.23600E-03
220	6	8.97580E+02	1.55335E+03	1.26839E+00	8.14187E-03
221	6	9.02580E+02	1.54158E+03	1.25750E+00	8.04723E-03
222	6	9.07580E+02	1.52978E+03	1.24655E+00	7.95208E-03
223	6	9.12580E+02	1.51796E+03	1.23556E+00	7.85639E-03
224	6	9.17580E+02	1.50612E+03	1.22451E+00	7.76016E-03
225	6	9.22580E+02	1.49425E+03	1.21341E+00	7.66337E-03
226	6	9.27580E+02	1.48236E+03	1.20226E+00	7.56600E-03
227	6	9.32580E+02	1.47044E+03	1.19105E+00	7.46804E-03
228	6	9.37580E+02	1.45850E+03	1.17978E+00	7.36947E-03
229	6	9.42580E+02	1.44652E+03	1.16846E+00	7.27026E-03
230	6	9.47580E+02	1.43452E+03	1.15709E+00	7.17039E-03
231	6	9.52580E+02	1.42248E+03	1.14565E+00	7.06985E-03
232	6	9.57580E+02	1.41041E+03	1.13415E+00	6.96860E-03
233	6	9.62580E+02	1.39831E+03	1.12259E+00	6.86663E-03
234	6	9.67580E+02	1.38617E+03	1.11097E+00	6.76389E-03
235	6	9.72580E+02	1.37399E+03	1.09929E+00	6.66036E-03
236	6	9.77580E+02	1.36177E+03	1.08753E+00	6.55601E-03
237	6	9.82580E+02	1.34951E+03	1.07571E+00	6.45080E-03
238	6	9.87580E+02	1.33721E+03	1.06382E+00	6.34469E-03
239	6	9.92580E+02	1.32486E+03	1.05185E+00	6.23764E-03
240	6	9.97580E+02	1.31246E+03	1.03981E+00	6.12960E-03
241	6	1.00258E+03	1.30001E+03	1.02768E+00	6.02052E-03
242	6	1.00758E+03	1.28750E+03	1.01548E+00	5.91035E-03
243	6	1.01258E+03	1.27494E+03	1.00319E+00	5.79902E-03
244	6	1.01758E+03	1.26231E+03	9.90816E-01	5.68648E-03
245	6	1.02258E+03	1.24962E+03	9.78346E-01	5.57266E-03
246	6	1.02758E+03	1.23686E+03	9.65779E-01	5.45747E-03
247	6	1.03258E+03	1.22403E+03	9.53112E-01	5.34084E-03
248	6	1.03758E+03	1.21112E+03	9.40339E-01	5.22267E-03
249	6	1.04258E+03	1.19813E+03	9.27454E-01	5.10288E-03
250	6	1.04758E+03	1.18506E+03	9.14453E-01	4.98134E-03
251	6	1.05258E+03	1.17189E+03	9.01329E-01	4.85794E-03
252	6	1.05758E+03	1.15862E+03	8.88076E-01	4.73256E-03
253	6	1.06258E+03	1.14526E+03	8.74687E-01	4.60506E-03
254	6	1.06758E+03	1.13178E+03	8.61153E-01	4.47527E-03
255	6	1.07258E+03	1.11818E+03	8.47468E-01	4.34303E-03
256	6	1.07758E+03	1.10446E+03	8.33621E-01	4.20816E-03
257	6	1.08258E+03	1.09060E+03	8.19604E-01	4.07046E-03
258	6	1.08758E+03	1.07661E+03	8.05406E-01	3.92970E-03

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 DISTRIBUTED SOURCE - G=GROUP NO. N= 0

0 INT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	.00000E+00	5.75270E-01	4.98760E+00	7.69950E+00	2.44420E+01	1.47890E+02	3.05770E+02	3.57970E+02
	INT. 2 THRU INT. 34 SAME AS ABOVE							
35	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	INT. 36 THRU INT. 258 SAME AS ABOVE							

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 DISTRIBUTED SOURCE - G=GROUP NO. N= 8

0 INT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1.85480E+02	2.54090E+02	2.36720E+02	9.19320E+01	1.78930E+01	1.04440E+02	2.83740E+02	3.24590E+02
	INT. 2 THRU INT. 34 SAME AS ABOVE							
35	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	INT. 36 THRU INT. 258 SAME AS ABOVE							

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1
0 DISTRIBUTED SOURCE - G=GROUP NO. N= 16

```
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1  4.09340E+02  5.65660E+02  3.04840E+02  1.37570E+02  2.37130E+02  1.94140E+02  1.90280E+02  4.11530E+01
         INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         INT.    36 THRU  INT.   258 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0 DISTRIBUTED SOURCE - G=GROUP NO.    N= 24
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1  6.55330E+01  4.14110E+01  6.37230E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         INT.    36 THRU  INT.   258 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0 DISTRIBUTED SOURCE - G=GROUP NO.    N= 32
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         INT.     2 THRU  INT.   258 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0 DISTRIBUTED SOURCE - G=GROUP NO.    N= 40
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         INT.     2 THRU  INT.   258 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0 DISTRIBUTED SOURCE - G=GROUP NO.    N= 48
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1  1.67490E+00  5.25880E+00  1.60340E+01  2.68100E+01  1.00200E+02  2.34730E+03  2.20170E+05  5.23730E+07
         INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         INT.    36 THRU  INT.   258 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0 DISTRIBUTED SOURCE - G=GROUP NO.    N= 56
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1  7.16180E+08  4.68050E+08  3.49310E+09  3.49310E+09  6.71010E+08  2.43980E+08  6.69240E+08  6.62720E+08
         INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         INT.    36 THRU  INT.   258 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1
0 DISTRIBUTED SOURCE - G=GROUP NO.    N= 64
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3
     1  1.62450E+09  7.29390E+08  7.29390E+08
         INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00
         INT.    36 THRU  INT.   258 SAME AS ABOVE
1 SUMMARY FOR ZONE  1 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE  68              ZONE VOLUME=  1.72220E+04

0 GRP.  FIX  SOURCE  FISS SOURCE  IN  SCATTER  SLF SCATTER  OUT SCATTER  ABSORPTION  LEAKAGE  BALANCE
     1   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00  .00000E+00  .00000E+00  1.00000E+00
     2  9.90728E+03   .00000E+00   .00000E+00  6.68315E+03  5.43225E+03  1.83951E+03  2.63551E+03  1.00000E+00
     3  8.58963E+04   .00000E+00  1.14213E+03  5.69993E+04  4.79994E+04  1.61724E+04  2.28666E+04  1.00000E+00
     4  1.32601E+05   .00000E+00  9.56923E+03  9.00249E+04  7.89735E+04  2.62770E+04  3.69193E+04  1.00000E+00
     5  4.20939E+05   .00000E+00  1.98850E+04  2.95654E+05  2.55875E+05  7.00697E+04  1.14880E+05  9.99999E-01
     6  2.54696E+06   .00000E+00  7.62982E+04  2.04305E+06  1.50178E+06  3.98446E+05  7.23033E+05  1.00000E+00
     7  5.26596E+06   .00000E+00  4.90114E+05  5.21363E+06  3.68977E+06  5.44391E+05  1.52191E+06  1.00000E+00
     8  6.16495E+06   .00000E+00  1.61514E+06  8.88879E+06  5.10294E+06  7.82705E+05  1.89444E+06  1.00000E+00
     9  3.19433E+06   .00000E+00  2.03428E+06  5.81122E+06  3.81463E+06  3.72730E+05  1.04124E+06  1.00000E+00
    10  4.37593E+06   .00000E+00  1.37804E+06  4.76325E+06  4.06947E+06  4.23630E+05  1.26087E+06  1.00000E+00
    11  4.07678E+06   .00000E+00  2.20487E+06  5.27673E+06  4.51821E+06  4.88619E+05  1.27483E+06  1.00000E+00
    12  1.58325E+06   .00000E+00  1.29070E+06  1.91960E+06  2.08661E+06  2.21553E+05  5.65785E+05  1.00000E+00
    13  3.08153E+05   .00000E+00  3.91878E+05  3.04201E+05  5.15786E+05  5.03772E+04  1.33868E+05  1.00000E+00
    14  1.79866E+06   .00000E+00  1.50908E+06  2.47185E+06  2.37611E+06  2.70216E+05  6.61413E+05  1.00000E+00
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15	4.88656E+06	.00000E+00	2.75889E+06	7.86938E+06	5.63308E+06	6.52793E+05	1.35958E+06	1.00000E+00
16	5.59008E+06	.00000E+00	3.77844E+06	9.55000E+06	7.16855E+06	7.00137E+05	1.49984E+06	1.00000E+00
17	7.04964E+06	.00000E+00	6.37445E+06	1.74705E+07	1.05192E+07	8.24570E+05	2.08037E+06	9.99999E-01
18	9.74178E+06	.00000E+00	1.05064E+07	4.26210E+07	1.73584E+07	6.50254E+05	2.23957E+06	1.00000E+00
19	5.24994E+06	.00000E+00	1.42112E+07	3.09236E+07	1.67597E+07	4.66407E+05	2.23513E+06	9.99999E-01
20	2.36923E+06	.00000E+00	1.39868E+07	2.11848E+07	1.41353E+07	3.56732E+05	1.86399E+06	1.00000E+00
21	4.08384E+06	.00000E+00	2.06375E+07	6.00220E+07	2.18365E+07	7.31901E+05	2.15253E+06	1.00001E+00
22	3.34347E+06	.00000E+00	2.43614E+07	7.75403E+07	2.37620E+07	7.64694E+05	3.17824E+06	9.99999E-01
23	3.27700E+06	.00000E+00	2.84664E+07	1.19326E+08	3.05207E+07	7.26171E+05	4.96892E+05	9.99994E-01
24	7.08736E+05	.00000E+00	3.19748E+07	6.68627E+07	3.09807E+07	6.85789E+05	1.01712E+06	9.99997E-01
25	1.12861E+06	.00000E+00	3.53252E+07	2.24517E+08	2.84909E+07	1.80998E+06	6.15284E+06	1.00000E+00
26	7.13179E+05	.00000E+00	3.04565E+07	2.09888E+08	2.74785E+07	1.86125E+06	1.83228E+06	9.99961E-01
27	1.09744E+05	.00000E+00	2.82246E+07	1.93862E+08	2.38775E+07	2.04399E+06	2.41375E+06	9.99986E-01
28	.00000E+00	.00000E+00	2.29899E+07	1.57300E+08	1.90434E+07	2.33811E+06	1.60896E+06	9.99987E-01
29	.00000E+00	.00000E+00	1.92015E+07	6.90378E+07	1.58916E+07	1.47163E+06	1.83882E+06	9.99985E-01
30	.00000E+00	.00000E+00	1.58260E+07	4.82907E+07	1.36888E+07	1.21199E+06	9.25251E+05	9.99999E-01
31	.00000E+00	.00000E+00	8.84562E+06	1.53647E+07	9.31737E+06	4.93813E+05	-9.65700E+05	1.00001E+00
32	.00000E+00	.00000E+00	1.07564E+07	2.19530E+07	9.94494E+06	6.38296E+05	1.73029E+05	1.00000E+00
33	.00000E+00	.00000E+00	1.45665E+07	8.46039E+07	1.02281E+07	2.01329E+06	2.32526E+06	9.99993E-01
34	.00000E+00	.00000E+00	1.05022E+07	1.11772E+08	7.65026E+06	3.28483E+06	-4.34448E+05	1.00007E+00
35	.00000E+00	.00000E+00	7.72256E+06	8.93627E+07	4.49625E+06	3.22597E+06	8.47561E+01	1.00002E+00
36	.00000E+00	.00000E+00	4.51941E+06	4.24497E+07	2.57936E+06	2.15216E+06	-2.11889E+05	9.99976E-01
37	.00000E+00	.00000E+00	2.58591E+06	2.27321E+07	6.84176E+05	2.27571E+06	-3.73931E+05	9.99992E-01
38	.00000E+00	.00000E+00	6.84374E+05	3.93557E+06	2.10448E+05	6.87176E+05	-2.13244E+05	9.99996E-01
39	.00000E+00	.00000E+00	2.10554E+05	1.11399E+06	1.22597E+05	3.00782E+05	-2.12825E+05	1.00000E+00
40	.00000E+00	.00000E+00	1.22657E+05	4.95657E+05	2.49202E+04	2.10052E+05	-1.12318E+05	1.00001E+00
41	.00000E+00	.00000E+00	2.49347E+04	1.30129E+05	1.34102E+03	1.26009E+05	-1.02414E+05	9.99990E-01
42	.00000E+00	.00000E+00	1.34807E+03	7.68078E+03	3.82866E+02	4.21489E+04	-4.11837E+04	1.00000E+00
43	.00000E+00	.00000E+00	3.82602E+02	8.71549E+04	4.93555E+03	1.81718E+04	-2.27243E+04	9.99472E-01
44	.00000E+00	.00000E+00	4.93464E+03	4.85089E+03	2.73816E+02	1.64598E+04	-1.17990E+04	1.00000E+00
45	.00000E+00	.00000E+00	2.73528E+02	7.37371E+03	5.52042E+02	3.71410E+03	-3.99271E+03	1.00017E+00
46	.00000E+00	.00000E+00	5.52120E+02	1.31277E+03	3.16366E+01	2.53404E+03	-2.01355E+03	9.99991E-01
47	.00000E+00	.00000E+00	3.15811E+01	1.76860E+02	4.71497E-03	1.91482E+02	-1.59902E+02	9.99942E-01
48	.00000E+00	.00000E+00	8.14078E+00	4.31361E+00	4.18904E+02	.00000E+00	-4.10763E+02	1.00001E+00
49	2.88451E+04	.00000E+00	1.19487E+03	2.59826E+03	1.55504E+05	.00000E+00	-1.25464E+05	1.00000E+00
50	9.05669E+04	.00000E+00	2.90470E+04	4.51835E+03	2.80282E+05	.00000E+00	-1.60668E+05	1.00000E+00
51	2.76137E+05	.00000E+00	1.66460E+05	6.83714E+03	4.81608E+05	.00000E+00	-3.90110E+04	1.00000E+00
52	4.61721E+05	.00000E+00	3.02851E+05	2.11976E+04	7.89183E+05	.00000E+00	-2.46108E+04	1.00000E+00
53	1.72564E+06	.00000E+00	2.46191E+06	1.63774E+05	3.97080E+06	.00000E+00	2.16755E+05	1.00000E+00
54	4.04251E+07	.00000E+00	6.35940E+06	2.94096E+06	4.30181E+07	.00000E+00	3.76646E+06	1.00000E+00
55	3.79176E+09	.00000E+00	2.77934E+07	3.77839E+08	3.50280E+09	.00000E+00	3.16754E+08	1.00000E+00
56	9.01966E+11	.00000E+00	5.01283E+08	1.01165E+11	8.34825E+11	.00000E+00	6.76421E+10	1.00000E+00
57	1.23340E+13	.00000E+00	1.87194E+11	2.14780E+12	1.17290E+13	.00000E+00	7.92239E+11	1.00000E+00
58	8.06074E+12	.00000E+00	1.83688E+12	1.25017E+12	9.44438E+12	.00000E+00	4.53245E+11	1.00000E+00
59	6.01580E+13	.00000E+00	1.83462E+12	6.12714E+12	5.96895E+13	.00000E+00	2.30313E+12	1.00000E+00
60	6.01580E+13	.00000E+00	8.49465E+12	7.69984E+12	6.64892E+13	.00000E+00	2.16345E+12	1.00000E+00
61	1.15561E+13	.00000E+00	3.17902E+13	8.43964E+12	4.25577E+13	.00000E+00	7.88636E+11	1.00000E+00
62	4.20182E+12	.00000E+00	5.09531E+13	9.18050E+12	5.57717E+13	.00000E+00	-6.16776E+11	1.00000E+00
63	1.15256E+13	.00000E+00	1.31251E+13	2.51995E+12	2.50079E+13	.00000E+00	-3.57199E+11	1.00000E+00
64	1.14133E+13	.00000E+00	4.70279E+11	1.60164E+12	1.18840E+13	.00000E+00	-3.83866E+08	1.00000E+00
65	2.79771E+13	.00000E+00	8.38101E+10	2.35083E+12	2.80500E+13	.00000E+00	1.08429E+10	1.00000E+00
66	1.25615E+13	.00000E+00	1.21820E+09	3.96286E+11	1.25622E+13	.00000E+00	4.98105E+08	1.00000E+00
67	1.25615E+13	.00000E+00	1.29606E+09	3.54895E+11	1.25625E+13	.00000E+00	3.14890E+08	1.00000E+00
68	2.33414E+14	.00000E+00	1.08779E+14	4.21720E+13	3.36587E+14	3.64547E+07	5.60599E+12	1.00000E+00

0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	1.08737E+01	5.77627E+00	5.66525E+00	2.63551E+03	.00000E+00	5.50316E+03	3.19657E+05	3.19657E+05
3	9.56994E+01	5.03773E+01	4.91536E+01	2.28666E+04	.00000E+00	4.26519E+04	2.81240E+06	2.81240E+06
4	1.57637E+02	8.20463E+01	7.93610E+01	3.69193E+04	.00000E+00	6.63730E+04	4.61386E+06	4.61386E+06
5	4.92432E+02	2.55441E+02	2.46945E+02	1.14880E+05	.00000E+00	1.95856E+05	1.43936E+07	1.43936E+07

6	3.13819E+03	1.61767E+03	1.55422E+03	7.23033E+05	.00000E+00	9.82816E+05	9.09915E+07	9.09915E+07
7	6.91575E+03	3.48125E+03	3.27147E+03	1.52191E+06	.00000E+00	1.41309E+06	2.00530E+08	2.00530E+08
8	9.71605E+03	4.60869E+03	4.07224E+03	1.89444E+06	.00000E+00	1.81150E+06	2.79699E+08	2.79699E+08
9	6.05186E+03	2.71112E+03	2.23823E+03	1.04124E+06	.00000E+00	1.01561E+06	1.72451E+08	1.72451E+08
10	7.03018E+03	3.20525E+03	2.71034E+03	1.26087E+06	.00000E+00	1.11884E+06	1.94956E+08	1.94956E+08
11	8.16193E+03	3.50413E+03	2.74034E+03	1.27483E+06	.00000E+00	1.26805E+06	2.19032E+08	2.19032E+08
12	3.73372E+03	1.58607E+03	1.21620E+03	5.65785E+05	.00000E+00	5.67145E+05	9.76611E+07	9.76611E+07
13	8.48340E+02	3.66983E+02	2.87759E+02	1.33868E+05	.00000E+00	1.28320E+05	2.20904E+07	2.20904E+07
14	4.52175E+03	1.89159E+03	1.42176E+03	6.61413E+05	.00000E+00	6.84096E+05	1.17782E+08	1.17782E+08
15	1.13676E+04	4.38467E+03	2.92253E+03	1.35958E+06	.00000E+00	1.61823E+06	2.83501E+08	2.83501E+08
16	1.29237E+04	4.92886E+03	3.22402E+03	1.49984E+06	.00000E+00	1.66659E+06	3.25807E+08	3.25807E+08
17	2.07052E+04	7.53145E+03	4.47193E+03	2.08037E+06	.00000E+00	1.80908E+06	5.12916E+08	5.12916E+08
18	3.81740E+04	1.20385E+04	4.81414E+03	2.23957E+06	.00000E+00	8.60509E+05	8.58192E+08	8.58192E+08
19	2.58352E+04	8.97308E+03	4.80459E+03	2.23513E+06	.00000E+00	4.29691E+05	6.57785E+08	6.57785E+08
20	2.06218E+04	7.31852E+03	4.00679E+03	1.86399E+06	.00000E+00	2.88532E+05	5.44017E+08	5.44017E+08
21	5.29969E+04	1.57391E+04	4.62704E+03	2.15253E+06	.00000E+00	5.41134E+05	1.17742E+09	1.17742E+09
22	5.60275E+04	1.76457E+04	6.83188E+03	3.17824E+06	.00000E+00	5.30906E+05	1.31722E+09	1.31722E+09
23	6.36334E+04	1.66161E+04	1.06811E+03	4.96892E+05	.00000E+00	4.57182E+05	1.26881E+09	1.26881E+09
24	5.81645E+04	1.57773E+04	2.18639E+03	1.01712E+06	.00000E+00	4.06420E+05	1.17615E+09	1.17615E+09
25	1.19932E+05	3.72277E+04	1.32260E+04	6.15284E+06	.00000E+00	1.00045E+06	2.95357E+09	2.95357E+09
26	1.22440E+05	3.30181E+04	3.93864E+03	1.83228E+06	.00000E+00	8.78050E+05	2.57818E+09	2.57818E+09
27	1.01848E+05	2.84680E+04	5.18854E+03	2.41375E+06	.00000E+00	7.85493E+05	2.23192E+09	2.23192E+09
28	7.81532E+04	2.16069E+04	3.45859E+03	1.60896E+06	.00000E+00	6.16102E+05	1.70902E+09	1.70902E+09
29	3.24117E+04	1.02787E+04	3.95270E+03	1.83882E+06	.00000E+00	3.23573E+05	8.57747E+08	8.57747E+08
30	2.43870E+04	7.24316E+03	1.98890E+03	9.25251E+05	.00000E+00	2.43773E+05	6.25095E+08	6.25095E+08
31	1.82395E+04	3.29267E+03	-2.07585E+03	-9.65700E+05	.00000E+00	9.71492E+04	2.47871E+08	2.47871E+08
32	1.58819E+04	4.15183E+03	3.71939E+02	1.73029E+05	.00000E+00	1.21198E+05	3.08956E+08	3.08956E+08
33	2.82661E+04	9.76053E+03	4.99834E+03	2.32526E+06	.00000E+00	3.63182E+05	8.55301E+08	8.55301E+08
34	6.30835E+04	1.54157E+04	-9.33880E+02	-4.34448E+05	.00000E+00	5.64497E+05	1.15222E+09	1.15222E+09
35	4.41790E+04	1.11720E+04	1.82190E-01	8.47561E+01	.00000E+00	4.89787E+05	7.90951E+08	7.90951E+08
36	2.07646E+04	5.04537E+03	-4.55472E+02	-2.11889E+05	.00000E+00	3.10919E+05	3.34718E+08	3.34718E+08
37	1.46959E+04	3.33117E+03	-8.03794E+02	-3.73931E+05	.00000E+00	3.40752E+05	1.96945E+08	1.96945E+08
38	3.71854E+03	7.21193E+02	-4.58385E+02	-2.13244E+05	.00000E+00	1.05372E+05	3.47954E+07	3.47954E+07
39	1.71107E+03	2.17511E+02	-4.57485E+02	-2.12825E+05	.00000E+00	1.69592E+04	4.01501E+06	4.01501E+06
40	1.17118E+03	1.82034E+02	-2.41436E+02	-1.12318E+05	.00000E+00	3.48562E+04	3.73415E+06	3.73415E+06
41	5.72299E+02	4.43891E+01	-2.20148E+02	-1.02414E+05	.00000E+00	6.32592E+03	3.92972E+05	3.92972E+05
42	1.70794E+02	3.65847E+00	-8.85278E+01	-4.11837E+04	.00000E+00	1.07231E+03	6.74907E+04	6.74907E+04
43	2.03515E+02	2.86457E+01	-4.88477E+01	-2.27243E+04	.00000E+00	6.78945E+03	1.16680E+06	1.16680E+06
44	5.32261E+01	2.04832E+00	-2.53629E+01	-1.17990E+04	.00000E+00	2.93668E+02	4.81413E+04	4.81413E+04
45	2.69898E+01	2.85727E+00	-8.58266E+00	-3.99271E+03	.00000E+00	2.59240E+03	9.87463E+04	9.87463E+04
46	1.01969E+01	6.24424E-01	-4.32828E+00	-2.01355E+03	.00000E+00	3.96261E+03	1.67634E+04	1.67634E+04
47	9.52084E-01	8.37453E-02	-3.43721E-01	-1.59902E+02	.00000E+00	3.02645E+02	2.18389E+03	2.18389E+03
48	1.91801E+00	1.45791E-02	-8.82969E-01	-4.10763E+02	.00000E+00	.00000E+00	4.46102E+03	4.46102E+03
49	5.76343E+02	8.29574E+00	-2.69695E+02	-1.25464E+05	.00000E+00	.00000E+00	1.75212E+06	1.75212E+06
50	8.03526E+02	2.45043E+01	-3.45369E+02	-1.60668E+05	.00000E+00	.00000E+00	3.26158E+06	3.26158E+06
51	4.71232E+02	7.37768E+01	-8.38573E+01	-3.90110E+04	.00000E+00	.00000E+00	5.77401E+06	5.77401E+06
52	6.48286E+02	1.32482E+02	-5.29030E+01	-2.46108E+04	.00000E+00	.00000E+00	9.68664E+06	9.68664E+06
53	2.03175E+03	7.45904E+02	4.65932E+02	2.16755E+05	.00000E+00	.00000E+00	4.99723E+07	4.99723E+07
54	1.76606E+04	8.63287E+03	8.09631E+03	3.76646E+06	.00000E+00	.00000E+00	5.48758E+08	5.48758E+08
55	1.30763E+06	6.82282E+05	6.80887E+05	3.16754E+08	.00000E+00	.00000E+00	4.29403E+10	4.29403E+10
56	2.79251E+08	1.45518E+08	1.45402E+08	6.76421E+10	.00000E+00	.00000E+00	9.22371E+12	9.22371E+12
57	3.30054E+09	1.70774E+09	1.70298E+09	7.92239E+11	.00000E+00	.00000E+00	1.09478E+14	1.09478E+14
58	1.93520E+09	9.85366E+08	9.74287E+08	4.53245E+11	.00000E+00	.00000E+00	6.39510E+13	6.39510E+13
59	9.68163E+09	4.96612E+09	4.95076E+09	2.30313E+12	.00000E+00	.00000E+00	3.25847E+14	3.25847E+14
60	9.25960E+09	4.69484E+09	4.65050E+09	2.16345E+12	.00000E+00	.00000E+00	3.09756E+14	3.09756E+14
61	4.92066E+09	2.03213E+09	1.69524E+09	7.88636E+11	.00000E+00	.00000E+00	1.41991E+14	1.41991E+14
62	5.24909E+09	5.86151E+08	-1.32581E+09	-6.16776E+11	.00000E+00	.00000E+00	6.02295E+13	6.02295E+13
63	1.83053E+09	9.32202E+07	-7.67829E+08	-3.57199E+11	.00000E+00	.00000E+00	7.25824E+12	7.25824E+12
64	1.50237E+08	3.78404E+07	-8.25150E+05	-3.83866E+08	.00000E+00	.00000E+00	2.36078E+12	2.36078E+12
65	4.61624E+07	2.39199E+07	2.33076E+07	1.08429E+10	.00000E+00	.00000E+00	1.68389E+12	1.68389E+12

66	1.73835E+06	1.07096E+06	1.07072E+06	4.98105E+08	.00000E+00	.00000E+00	1.24420E+11	1.24420E+11
67	1.08298E+06	6.76894E+05	6.76881E+05	3.14890E+08	.00000E+00	.00000E+00	9.37992E+10	9.37992E+10
68	3.66581E+10	1.52756E+10	1.20505E+10	5.60599E+12	.00000E+00	2.42216E+07	1.03207E+15	1.03207E+15

1 SUMMARY FOR ZONE 2 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 1.20189E+03

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	9.12406E+02	9.60057E+02	1.54429E+02	-1.11448E+03	.00000E+00
3	.00000E+00	.00000E+00	1.06676E+02	9.76693E+03	8.60008E+03	1.24792E+03	-9.74136E+03	1.00018E+00
4	.00000E+00	.00000E+00	8.82744E+02	1.82635E+04	1.47740E+04	1.79242E+03	-1.56836E+04	1.00001E+00
5	.00000E+00	.00000E+00	1.93590E+03	6.22972E+04	4.74137E+04	4.80645E+03	-5.02845E+04	1.00008E+00
6	.00000E+00	.00000E+00	7.51227E+03	4.22956E+05	3.10397E+05	2.36483E+04	-3.26534E+05	1.00007E+00
7	.00000E+00	.00000E+00	4.99058E+04	9.86716E+05	6.97096E+05	3.48937E+04	-6.82088E+05	1.00004E+00
8	.00000E+00	.00000E+00	1.73120E+05	1.53701E+06	9.31556E+05	3.46598E+04	-7.93103E+05	1.00002E+00
9	.00000E+00	.00000E+00	2.47243E+05	8.98709E+05	6.30982E+05	1.42601E+04	-3.97995E+05	9.99991E-01
10	.00000E+00	.00000E+00	2.53756E+05	9.46048E+05	7.60155E+05	1.16778E+04	-5.18075E+05	9.99997E-01
11	.00000E+00	.00000E+00	4.13510E+05	1.23487E+06	8.86146E+05	1.05297E+04	-4.83166E+05	1.00000E+00
12	.00000E+00	.00000E+00	3.41144E+05	4.10791E+05	5.43078E+05	3.91517E+03	-2.05848E+05	9.99999E-01
13	.00000E+00	.00000E+00	1.09276E+05	3.13820E+04	1.49535E+05	8.56151E+02	-4.11151E+04	1.00000E+00
14	.00000E+00	.00000E+00	4.01384E+05	4.96562E+05	6.16773E+05	4.21063E+03	-2.19598E+05	9.99998E-01
15	.00000E+00	.00000E+00	7.47160E+05	1.87793E+06	1.09877E+06	7.77107E+03	-3.59384E+05	1.00000E+00
16	.00000E+00	.00000E+00	8.12147E+05	1.96466E+06	1.15848E+06	6.30345E+03	-3.52651E+05	1.00001E+00
17	.00000E+00	.00000E+00	1.26437E+06	3.65009E+06	1.67448E+06	8.50081E+03	-4.18527E+05	9.99969E-01
18	.00000E+00	.00000E+00	1.83833E+06	8.24252E+06	1.69930E+06	1.43330E+04	1.24637E+05	1.00002E+00
19	.00000E+00	.00000E+00	1.33222E+06	4.75196E+06	1.60322E+06	1.17137E+04	-2.82727E+05	1.00001E+00
20	.00000E+00	.00000E+00	1.66025E+06	4.55477E+06	2.22606E+06	1.26111E+04	-5.78458E+05	1.00001E+00
21	.00000E+00	.00000E+00	2.86134E+06	1.15668E+07	2.30356E+06	3.58566E+04	5.21930E+05	9.99999E-01
22	.00000E+00	.00000E+00	2.80504E+06	1.27883E+07	2.82827E+06	2.93087E+04	-5.25750E+04	1.00001E+00
23	.00000E+00	.00000E+00	3.36789E+06	2.33854E+07	2.32727E+06	3.57435E+04	1.00511E+06	9.99965E-01
24	.00000E+00	.00000E+00	2.67613E+06	1.63731E+07	1.95081E+06	4.21272E+04	6.82950E+05	1.00005E+00
25	.00000E+00	.00000E+00	2.55018E+06	3.93336E+07	3.89811E+06	8.70710E+04	-1.43476E+06	9.99952E-01
26	.00000E+00	.00000E+00	4.14276E+06	5.06148E+07	2.82972E+06	1.07592E+05	1.20553E+06	9.99989E-01
27	.00000E+00	.00000E+00	2.95754E+06	5.19875E+07	2.61000E+06	1.30006E+05	2.17142E+05	1.00007E+00
28	.00000E+00	.00000E+00	2.68323E+06	3.78017E+07	2.69872E+06	9.56453E+04	-1.14387E+05	1.00061E+00
29	.00000E+00	.00000E+00	2.71762E+06	1.53013E+07	3.60733E+06	6.23000E+04	-9.52597E+05	1.00011E+00
30	.00000E+00	.00000E+00	3.61800E+06	3.71421E+07	4.37966E+06	3.77692E+04	-7.99494E+05	1.00001E+00
31	.00000E+00	.00000E+00	4.36467E+06	2.93489E+06	2.30694E+06	1.49607E+04	2.04290E+06	9.99985E-01
32	.00000E+00	.00000E+00	2.29621E+06	3.38477E+06	1.93806E+06	3.52930E+04	3.22964E+05	9.99975E-01
33	.00000E+00	.00000E+00	1.99285E+06	1.38032E+07	3.55852E+06	2.24605E+04	-1.58834E+06	1.00005E+00
34	.00000E+00	.00000E+00	3.59619E+06	2.99045E+07	2.23779E+06	8.58148E+04	1.27312E+06	9.99927E-01
35	.00000E+00	.00000E+00	2.24722E+06	2.70107E+07	1.47955E+06	4.86614E+04	7.19345E+05	9.99925E-01
36	.00000E+00	.00000E+00	1.48202E+06	2.64906E+07	1.08747E+06	1.04171E+05	2.90092E+05	1.00009E+00
37	.00000E+00	.00000E+00	1.08830E+06	1.75244E+07	5.65326E+05	2.35487E+05	2.87433E+05	1.00002E+00
38	.00000E+00	.00000E+00	5.65295E+05	1.12532E+07	3.21337E+05	1.02232E+05	1.41644E+05	1.00007E+00
39	.00000E+00	.00000E+00	3.21047E+05	3.54341E+06	1.77232E+05	4.21198E+04	1.01696E+05	1.00000E+00
40	.00000E+00	.00000E+00	1.77146E+05	2.38147E+06	8.69780E+04	6.64722E+04	2.36458E+04	1.00014E+00
41	.00000E+00	.00000E+00	8.69171E+04	1.57069E+06	4.62021E+04	1.52657E+04	2.54415E+04	1.00004E+00
42	.00000E+00	.00000E+00	4.62236E+04	5.68198E+05	2.84298E+04	8.25758E+03	9.53668E+03	9.99996E-01
43	.00000E+00	.00000E+00	2.84258E+04	4.50453E+05	1.64012E+04	1.00504E+04	1.98143E+03	9.99874E-01
44	.00000E+00	.00000E+00	1.63921E+04	1.68206E+05	7.62622E+03	5.82694E+03	2.93699E+03	1.00006E+00
45	.00000E+00	.00000E+00	7.63289E+03	6.89928E+04	3.65001E+03	3.49933E+03	4.84048E+02	9.99967E-01
46	.00000E+00	.00000E+00	3.65020E+03	3.22580E+04	5.84121E+02	2.69220E+03	3.73881E+02	1.00000E+00
47	.00000E+00	.00000E+00	5.83580E+02	3.02695E+03	1.24268E-01	5.69192E+02	1.42536E+01	1.00001E+00
48	.00000E+00	.00000E+00	1.00303E+03	1.35789E+01	7.61689E+02	.00000E+00	2.41342E+02	1.00000E+00
49	.00000E+00	.00000E+00	2.79003E+05	6.70001E+03	2.41217E+05	.00000E+00	3.77863E+04	1.00000E+00
50	.00000E+00	.00000E+00	4.30157E+05	7.91151E+03	3.10397E+05	.00000E+00	1.19759E+05	1.00000E+00
51	.00000E+00	.00000E+00	1.90257E+05	3.14561E+03	1.52521E+05	.00000E+00	3.77356E+04	1.00000E+00
52	.00000E+00	.00000E+00	2.29846E+05	7.54008E+03	1.93681E+05	.00000E+00	3.61646E+04	1.00000E+00
53	.00000E+00	.00000E+00	3.59459E+05	2.60108E+04	4.54887E+05	.00000E+00	-9.54273E+04	1.00000E+00
54	.00000E+00	.00000E+00	7.42516E+05	2.72907E+05	3.02783E+06	.00000E+00	-2.28532E+06	1.00000E+00

55	.00000E+00	.00000E+00	1.84216E+06	2.79142E+07	2.13849E+08	.00000E+00	-2.12007E+08	1.00001E+00
56	.00000E+00	.00000E+00	3.93350E+07	6.59616E+09	4.84062E+10	.00000E+00	-4.83669E+10	1.00007E+00
57	.00000E+00	.00000E+00	1.38032E+10	1.29607E+11	6.03335E+11	.00000E+00	-5.89532E+11	1.00000E+00
58	.00000E+00	.00000E+00	1.28341E+11	6.71377E+10	4.55789E+11	.00000E+00	-3.27448E+11	1.00000E+00
59	.00000E+00	.00000E+00	1.31037E+11	2.09613E+11	2.05366E+12	.00000E+00	-1.92262E+12	1.00000E+00
60	.00000E+00	.00000E+00	5.10085E+11	2.86138E+11	2.23800E+12	.00000E+00	-1.72791E+12	1.00000E+00
61	.00000E+00	.00000E+00	1.92069E+12	8.05879E+11	2.12265E+12	.00000E+00	-2.01962E+11	1.00000E+00
62	.00000E+00	.00000E+00	3.98457E+12	2.50250E+12	3.04011E+12	.00000E+00	9.44463E+11	1.00000E+00
63	.00000E+00	.00000E+00	3.18622E+12	2.28397E+12	2.81357E+12	.00000E+00	3.72642E+11	1.00000E+00
64	.00000E+00	.00000E+00	8.20312E+11	2.93859E+11	8.16938E+11	.00000E+00	3.37456E+09	1.00000E+00
65	.00000E+00	.00000E+00	3.69638E+10	7.30282E+09	4.76515E+10	.00000E+00	-1.06878E+10	1.00000E+00
66	.00000E+00	.00000E+00	1.31592E+07	1.98514E+07	5.11258E+08	.00000E+00	-4.98099E+08	1.00002E+00
67	.00000E+00	.00000E+00	3.61160E+05	5.34011E+06	3.15251E+08	.00000E+00	-3.14890E+08	1.00010E+00
68	.00000E+00	.00000E+00	1.07321E+13	6.59312E+12	1.42412E+13	1.67514E+06	-3.50908E+12	1.00000E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	4.94101E+00	3.20167E+00	3.16113E+00	1.52103E+03	2.63551E+03	.00000E+00	8.81621E+03	8.81621E+03
3	4.32187E+01	2.77371E+01	2.72780E+01	1.31253E+04	2.28666E+04	.00000E+00	7.72913E+04	7.72913E+04
4	7.15205E+01	4.51876E+01	4.41337E+01	2.12357E+04	3.69193E+04	.00000E+00	1.27554E+05	1.27554E+05
5	2.17080E+02	1.37336E+02	1.34248E+02	6.45958E+04	1.14880E+05	.00000E+00	3.92836E+05	3.92836E+05
6	1.34847E+03	8.47103E+02	8.24035E+02	3.96498E+05	7.23033E+05	.00000E+00	2.47339E+06	2.47339E+06
7	3.02019E+03	1.83022E+03	1.74539E+03	8.39825E+05	1.52191E+06	.00000E+00	5.49806E+06	5.49806E+06
8	4.56564E+03	2.53502E+03	2.28888E+03	1.10133E+06	1.89444E+06	.00000E+00	8.02637E+06	8.02637E+06
9	3.06872E+03	1.57203E+03	1.33685E+03	6.43247E+05	1.04124E+06	.00000E+00	5.20032E+06	5.20032E+06
10	3.42599E+03	1.79191E+03	1.54374E+03	7.42796E+05	1.26087E+06	.00000E+00	5.91006E+06	5.91006E+06
11	4.23297E+03	2.04482E+03	1.64530E+03	7.91661E+05	1.27483E+06	.00000E+00	7.08819E+06	7.08819E+06
12	1.98426E+03	9.44436E+02	7.48050E+02	3.59936E+05	5.65785E+05	.00000E+00	3.28641E+06	3.28641E+06
13	4.77367E+02	2.34457E+02	1.92766E+02	9.27524E+04	1.33868E+05	.00000E+00	7.70458E+05	7.70458E+05
14	2.51991E+03	1.17555E+03	9.18218E+02	4.41815E+05	6.61413E+05	.00000E+00	4.07308E+06	4.07308E+06
15	6.85930E+03	2.92499E+03	2.07869E+03	1.00020E+06	1.35958E+06	.00000E+00	1.06705E+07	1.06705E+07
16	8.00502E+03	3.38710E+03	2.38418E+03	1.14718E+06	1.49984E+06	.00000E+00	1.23091E+07	1.23091E+07
17	1.35660E+04	5.36524E+03	3.45379E+03	1.66185E+06	2.08037E+06	.00000E+00	2.02488E+07	2.02488E+07
18	2.96784E+04	1.00633E+04	4.91350E+03	2.36421E+06	2.23957E+06	.00000E+00	4.07337E+07	4.07337E+07
19	1.87903E+04	6.96029E+03	4.05765E+03	1.95240E+06	2.23513E+06	.00000E+00	2.65651E+07	2.65651E+07
20	1.37482E+04	4.97888E+03	2.67169E+03	1.28553E+06	1.86399E+06	.00000E+00	2.01833E+07	2.01833E+07
21	4.31943E+04	1.38747E+04	5.55829E+03	2.67446E+06	2.15253E+06	.00000E+00	5.81692E+07	5.81692E+07
22	4.54181E+04	1.48531E+04	6.49602E+03	3.12566E+06	3.17824E+06	.00000E+00	6.07846E+07	6.07846E+07
23	5.85358E+04	1.62805E+04	3.12158E+03	1.50200E+06	4.96892E+05	.00000E+00	7.42018E+07	7.42018E+07
24	5.20794E+04	1.50051E+04	3.53323E+03	1.70007E+06	1.01712E+06	.00000E+00	6.68251E+07	6.68251E+07
25	9.21637E+04	2.85677E+04	9.80551E+03	4.71808E+06	6.15284E+06	.00000E+00	1.25872E+08	1.25872E+08
26	1.06110E+05	3.01114E+04	6.31344E+03	3.03781E+06	1.83228E+06	.00000E+00	1.38508E+08	1.38508E+08
27	8.13233E+04	2.35622E+04	5.46773E+03	2.63089E+06	2.41375E+06	.00000E+00	1.10413E+08	1.10413E+08
28	6.75240E+04	1.86051E+04	3.10615E+03	1.49458E+06	1.60896E+06	.00000E+00	8.70888E+07	8.70888E+07
29	2.04469E+04	6.19919E+03	1.84183E+03	8.86228E+05	1.83882E+06	.00000E+00	3.05255E+07	3.05255E+07
30	1.13806E+04	3.02650E+03	2.61357E+02	1.25756E+05	9.25251E+05	.00000E+00	1.90632E+07	1.90632E+07
31	1.53317E+04	4.94244E+03	2.23872E+03	1.07720E+06	-9.65700E+05	.00000E+00	2.15659E+07	2.15659E+07
32	1.42127E+04	4.07735E+03	1.03081E+03	4.95993E+05	1.73029E+05	.00000E+00	1.83985E+07	1.83985E+07
33	1.22924E+04	3.99563E+03	1.53154E+03	7.36927E+05	2.32526E+06	.00000E+00	2.20804E+07	2.20804E+07
34	6.03420E+04	1.59015E+04	1.74300E+03	8.38673E+05	-4.34448E+05	.00000E+00	7.48985E+07	7.48985E+07
35	4.11669E+04	1.11446E+04	1.49518E+03	7.19430E+05	8.47561E+01	.00000E+00	5.20892E+07	5.20892E+07
36	2.17562E+04	5.59250E+03	1.62528E+02	7.82031E+04	-2.11889E+05	.00000E+00	2.60982E+07	2.60982E+07
37	1.80900E+04	4.47846E+03	-1.79766E+02	-8.64974E+04	-3.73931E+05	.00000E+00	2.01942E+07	2.01942E+07
38	7.30082E+03	1.77382E+03	-1.48805E+02	-7.16002E+04	-2.13244E+05	.00000E+00	7.03913E+06	7.03913E+06
39	4.37687E+03	9.85709E+02	-2.30959E+02	-1.11130E+05	-2.12825E+05	.00000E+00	3.88250E+06	3.88250E+06
40	2.89221E+03	6.39174E+02	-1.84285E+02	-8.86719E+04	-1.12318E+05	.00000E+00	2.50926E+06	2.50926E+06
41	2.07121E+03	4.42619E+02	-1.59971E+02	-7.69728E+04	-1.02414E+05	.00000E+00	1.66398E+06	1.66398E+06
42	7.94729E+02	1.67516E+02	-6.57716E+01	-3.16471E+04	-4.11837E+04	.00000E+00	6.11821E+05	6.11821E+05
43	5.78306E+02	1.24566E+02	-4.31096E+01	-2.07429E+04	-2.27243E+04	.00000E+00	4.78174E+05	4.78174E+05
44	2.31038E+02	4.90859E+01	-1.84177E+01	-8.86200E+03	-1.17990E+04	.00000E+00	1.79996E+05	1.79996E+05
45	9.35083E+01	1.99692E+01	-7.29200E+00	-3.50866E+03	-3.99271E+03	.00000E+00	7.43347E+04	7.43347E+04

46	4.34170E+01	9.26163E+00	-3.40769E+00	-1.63966E+03	-2.01355E+03	.00000E+00	3.35775E+04	3.35775E+04
47	4.02941E+00	8.67635E-01	-3.02698E-01	-1.45648E+02	-1.59902E+02	.00000E+00	3.07491E+03	3.07491E+03
48	3.32252E+00	5.49167E-01	-3.52105E-01	-1.69421E+02	-4.10763E+02	.00000E+00	3.26736E+03	3.26736E+03
49	1.16305E+03	1.62586E+02	-1.82219E+02	-8.76778E+04	-1.25464E+05	.00000E+00	1.05018E+06	1.05018E+06
50	1.28209E+03	2.55452E+02	-8.50206E+01	-4.09091E+04	-1.60668E+05	.00000E+00	1.34808E+06	1.34808E+06
51	5.66822E+02	1.31865E+02	-2.65059E+00	-1.27537E+03	-3.90110E+04	.00000E+00	6.49416E+05	6.49416E+05
52	6.86669E+02	1.74027E+02	2.40119E+01	1.15537E+04	-2.46108E+04	.00000E+00	8.22064E+05	8.22064E+05
53	1.28080E+03	4.64545E+02	2.52153E+02	1.21328E+05	2.16755E+05	.00000E+00	1.89322E+06	1.89322E+06
54	5.90641E+03	3.44297E+03	3.07824E+03	1.48115E+06	3.76646E+06	.00000E+00	1.21530E+07	1.21530E+07
55	3.01465E+05	2.18204E+05	2.17694E+05	1.04747E+08	3.16754E+08	.00000E+00	7.72123E+08	7.72123E+08
56	5.41321E+07	4.00470E+07	4.00593E+07	1.92752E+10	6.76421E+10	.00000E+00	1.52698E+11	1.52698E+11
57	5.68818E+08	4.21245E+08	4.21283E+08	2.02707E+11	7.92239E+11	.00000E+00	1.70971E+12	1.70971E+12
58	3.65080E+08	2.61742E+08	2.61442E+08	1.25797E+11	4.53245E+11	.00000E+00	1.04094E+12	1.04094E+12
59	1.04220E+09	7.91414E+08	7.90806E+08	3.80509E+11	2.30313E+12	.00000E+00	4.10958E+12	4.10958E+12
60	1.23073E+09	9.06729E+08	9.05160E+08	4.35533E+11	2.16345E+12	.00000E+00	4.29419E+12	4.29419E+12
61	2.02345E+09	1.24527E+09	1.21927E+09	5.86674E+11	7.88636E+11	.00000E+00	4.32633E+12	4.32633E+12
62	3.01066E+09	1.09592E+09	6.81027E+08	3.27687E+11	-6.16776E+11	.00000E+00	5.91900E+12	5.91900E+12
63	1.44218E+09	3.90404E+08	3.20940E+07	1.54426E+10	-3.57199E+11	.00000E+00	2.71900E+12	2.71900E+12
64	1.14010E+08	3.20982E+07	6.21551E+06	2.99069E+09	-3.83866E+08	.00000E+00	2.17722E+11	2.17722E+11
65	2.08299E+06	6.64669E+05	3.22297E+05	1.55079E+08	1.08429E+10	.00000E+00	3.47019E+09	3.47019E+09
66	9.08277E+01	2.86087E+01	1.12514E+01	5.41380E+03	4.98105E+08	.00000E+00	4.69490E+06	4.69490E+06
67	2.25580E-01	5.63674E-02	1.13226E-02	5.44805E+00	3.14890E+08	.00000E+00	7.41208E+05	7.41208E+05
68	9.85455E+09	5.18602E+09	4.35799E+09	2.09692E+12	5.60599E+12	.00000E+00	2.44946E+13	2.44946E+13

1 SUMMARY FOR ZONE 3 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 7.28818E+02

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	1.10307E-01	1.33994E-01	4.16232E-02	-1.75781E-01	1.00000E+00
3	.00000E+00	.00000E+00	5.98865E-02	7.76032E-01	1.09145E+00	3.97047E-01	-1.43457E+00	1.05237E+00
4	.00000E+00	.00000E+00	4.53002E-01	1.07831E+00	1.75443E+00	5.29516E-01	-1.83398E+00	1.00336E+00
5	.00000E+00	.00000E+00	1.01351E+00	3.29689E+00	6.14211E+00	1.50167E+00	-6.62891E+00	9.99324E-01
6	.00000E+00	.00000E+00	3.87262E+00	2.27083E+01	3.24087E+01	9.64840E+00	-3.82188E+01	1.00444E+00
7	.00000E+00	.00000E+00	2.33337E+01	6.37344E+01	7.28271E+01	1.89144E+01	-6.85625E+01	1.00333E+00
8	.00000E+00	.00000E+00	6.94592E+01	1.45528E+02	9.17244E+01	5.65243E+01	-7.87500E+01	9.99716E-01
9	.00000E+00	.00000E+00	7.66553E+01	7.22219E+01	1.01652E+02	3.21632E+01	-5.70625E+01	9.99367E-01
10	.00000E+00	.00000E+00	5.56384E+01	3.66772E+01	1.19794E+02	2.23646E+01	-9.11250E+01	1.04317E+00
11	.00000E+00	.00000E+00	8.42106E+01	4.23737E+01	1.53057E+02	1.83880E+01	-8.72500E+01	1.00009E+00
12	.00000E+00	.00000E+00	5.77657E+01	8.47197E+00	7.98168E+01	6.91935E+00	-2.89375E+01	9.99715E-01
13	.00000E+00	.00000E+00	1.39010E+01	4.36977E-01	1.96716E+01	1.63140E+00	-7.39844E+00	9.99872E-01
14	.00000E+00	.00000E+00	8.22781E+01	1.59403E+01	1.04989E+02	1.20566E+01	-3.46875E+01	9.99513E-01
15	.00000E+00	.00000E+00	2.39092E+02	1.29568E+02	2.49747E+02	1.95543E+01	-2.98125E+01	9.99170E-01
16	.00000E+00	.00000E+00	2.48125E+02	1.78393E+02	4.00892E+02	2.68757E+01	-1.79500E+02	9.99712E-01
17	.00000E+00	.00000E+00	4.15220E+02	4.63634E+02	6.23141E+02	4.93522E+01	-2.57125E+02	9.99822E-01
18	.00000E+00	.00000E+00	6.80128E+02	1.41884E+03	1.11402E+03	2.84394E+01	-4.63500E+02	1.00086E+00
19	.00000E+00	.00000E+00	1.00671E+03	4.68198E+02	8.52944E+02	7.28094E+00	1.46375E+02	1.00005E+00
20	.00000E+00	.00000E+00	6.05875E+02	2.27623E+02	8.23024E+02	7.26092E+00	-2.24250E+02	9.99867E-01
21	.00000E+00	.00000E+00	1.08616E+03	1.44447E+03	2.03649E+03	1.63289E+02	-1.11275E+03	9.99597E-01
22	.00000E+00	.00000E+00	1.97849E+03	1.76152E+03	2.20830E+03	2.47350E+01	-2.53250E+02	9.99671E-01
23	.00000E+00	.00000E+00	2.36379E+03	5.22440E+03	3.07938E+03	6.67445E+01	-7.84125E+02	1.00038E+00
24	.00000E+00	.00000E+00	2.95741E+03	2.36556E+03	3.63556E+03	4.47386E+00	-7.76125E+02	1.01606E+00
25	.00000E+00	.00000E+00	3.75867E+03	8.71492E+03	2.92900E+03	5.43135E+00	1.11950E+03	9.62207E-01
26	.00000E+00	.00000E+00	2.92922E+03	1.12176E+04	4.25424E+03	4.60506E+00	-1.32500E+03	9.99212E-01
27	.00000E+00	.00000E+00	4.25435E+03	9.84305E+03	3.73077E+03	3.27593E+00	5.19000E+02	1.00015E+00
28	.00000E+00	.00000E+00	3.73082E+03	9.29037E+03	3.69524E+03	2.92183E+00	3.21250E+01	1.00007E+00
29	.00000E+00	.00000E+00	3.64350E+03	1.99157E+03	2.35174E+03	1.00037E+00	1.29106E+03	9.99958E-01
30	.00000E+00	.00000E+00	2.19719E+03	9.83333E+02	1.58870E+03	6.18482E-01	6.03195E+02	1.00107E+00
31	.00000E+00	.00000E+00	8.81712E+02	5.27670E+02	3.00360E+03	8.66915E-01	-2.12613E+03	1.00192E+00
32	.00000E+00	.00000E+00	1.99038E+03	6.66583E+02	2.69941E+03	8.35598E-01	-7.09875E+02	1.00000E+00
33	.00000E+00	.00000E+00	4.62580E+03	1.93164E+03	1.11708E+03	7.91347E-01	3.50681E+03	1.00012E+00
34	.00000E+00	.00000E+00	1.11708E+03	1.34818E+04	3.10470E+03	5.21618E+00	-1.99294E+03	1.00004E+00

35	.00000E+00	.00000E+00	3.10474E+03	1.01292E+04	2.18072E+03	5.26610E+00	9.18875E+02	9.99980E-01
36	.00000E+00	.00000E+00	2.18079E+03	5.47700E+03	1.37533E+03	4.19295E+00	7.52828E+02	1.01123E+00
37	.00000E+00	.00000E+00	1.37538E+03	5.22230E+03	6.41379E+02	5.80698E+00	7.21320E+02	1.00250E+00
38	.00000E+00	.00000E+00	6.41351E+02	1.95927E+03	4.35376E+02	3.84546E+00	1.56141E+02	1.03719E+00
39	.00000E+00	.00000E+00	4.35383E+02	1.18084E+03	2.61733E+02	3.36567E+00	1.70172E+02	1.00013E+00
40	.00000E+00	.00000E+00	2.61723E+02	8.25511E+02	1.29656E+02	3.46564E+00	1.28602E+02	9.99999E-01
41	.00000E+00	.00000E+00	1.29656E+02	6.10742E+02	7.40421E+01	4.38206E+00	4.67813E+01	1.01746E+00
42	.00000E+00	.00000E+00	7.40449E+01	2.15436E+02	4.74600E+01	2.74660E+00	2.40684E+01	9.98449E-01
43	.00000E+00	.00000E+00	4.74659E+01	1.65858E+02	2.54902E+01	3.11151E+00	1.88672E+01	9.99969E-01
44	.00000E+00	.00000E+00	2.54836E+01	6.36845E+01	1.28015E+01	1.91330E+00	1.07666E+01	1.00004E+00
45	.00000E+00	.00000E+00	1.27979E+01	2.58163E+01	5.16676E+00	1.12619E+00	6.74609E+00	9.90667E-01
46	.00000E+00	.00000E+00	5.16839E+00	1.36949E+01	7.34927E-01	8.90343E-01	3.54382E+00	9.99932E-01
47	.00000E+00	.00000E+00	7.35233E-01	1.37220E+00	1.37687E-04	1.90743E-01	5.44510E-01	9.99893E-01
48	.00000E+00	.00000E+00	6.02969E-01	1.70954E-03	5.83861E-02	.00000E+00	5.44556E-01	1.00002E+00
49	.00000E+00	.00000E+00	1.49621E-01	9.18694E-01	2.16811E+01	.00000E+00	-2.15625E+01	1.11552E+00
50	.00000E+00	.00000E+00	1.49477E+00	9.10170E-01	2.50747E+01	.00000E+00	-2.35586E+01	9.92916E-01
51	.00000E+00	.00000E+00	4.34153E+00	3.30451E-01	1.21138E+01	.00000E+00	-7.77026E+00	9.99769E-01
52	.00000E+00	.00000E+00	8.65282E+00	7.62051E-01	1.54463E+01	.00000E+00	-6.78711E+00	9.99634E-01
53	.00000E+00	.00000E+00	8.25853E+00	2.11531E+00	3.09383E+01	.00000E+00	-2.26875E+01	1.00047E+00
54	.00000E+00	.00000E+00	1.23290E+01	1.57966E+01	1.56066E+02	.00000E+00	-1.43375E+02	9.85545E-01
55	.00000E+00	.00000E+00	7.15782E+01	1.28779E+03	9.45671E+03	.00000E+00	-9.39200E+03	1.05043E+00
56	.00000E+00	.00000E+00	1.81807E+03	2.74531E+05	2.01294E+06	.00000E+00	-2.01728E+06	-1.44381E+00
57	.00000E+00	.00000E+00	5.85238E+05	5.04514E+06	2.38225E+07	.00000E+00	-2.32161E+07	9.82238E-01
58	.00000E+00	.00000E+00	5.12256E+06	2.68280E+06	1.89264E+07	.00000E+00	-1.37789E+07	9.97574E-01
59	.00000E+00	.00000E+00	5.36831E+06	5.80147E+06	6.14829E+07	.00000E+00	-5.59677E+07	9.86510E-01
60	.00000E+00	.00000E+00	1.68286E+07	8.92963E+06	7.55747E+07	.00000E+00	-5.87203E+07	9.99232E-01
61	.00000E+00	.00000E+00	6.48098E+07	4.26375E+07	1.14990E+08	.00000E+00	-5.02006E+07	1.00016E+00
62	.00000E+00	.00000E+00	1.70849E+08	1.41687E+08	1.53851E+08	.00000E+00	1.70394E+07	9.99879E-01
63	.00000E+00	.00000E+00	1.86838E+08	1.23986E+08	5.48645E+07	.00000E+00	1.31824E+08	1.00040E+00
64	.00000E+00	.00000E+00	5.37638E+07	1.37763E+07	2.92527E+06	.00000E+00	5.08403E+07	9.99983E-01
65	.00000E+00	.00000E+00	2.44456E+06	3.25231E+05	3.89055E+04	.00000E+00	2.40570E+06	9.99992E-01
66	.00000E+00	.00000E+00	1.05034E+03	1.68954E+01	1.74117E+01	.00000E+00	1.03292E+03	1.00000E+00
67	.00000E+00	.00000E+00	7.30691E-01	5.36147E-02	2.18287E-01	.00000E+00	5.12401E-01	1.00000E+00
68	.00000E+00	.00000E+00	5.06662E+08	3.45245E+08	5.08548E+08	6.44952E+02	-1.80108E+06	9.99915E-01
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	4.78991E+00	3.14217E+00	3.10004E+00	1.52085E+03	1.52103E+03	.00000E+00	3.54451E+03	3.54451E+03
3	4.19258E+01	2.72273E+01	2.67510E+01	1.31238E+04	1.31253E+04	.00000E+00	3.10135E+04	3.10135E+04
4	6.94598E+01	4.43712E+01	4.32821E+01	2.12338E+04	2.12357E+04	.00000E+00	5.13506E+04	5.13506E+04
5	2.10882E+02	1.34861E+02	1.31656E+02	6.45892E+04	6.45958E+04	.00000E+00	1.55879E+05	1.55879E+05
6	1.31140E+03	8.32022E+02	8.08127E+02	3.96460E+05	3.96498E+05	.00000E+00	9.68823E+05	9.68823E+05
7	2.94394E+03	1.79876E+03	1.71172E+03	8.39756E+05	8.39825E+05	.00000E+00	2.17236E+06	2.17236E+06
8	4.46878E+03	2.49484E+03	2.24475E+03	1.10125E+06	1.10133E+06	.00000E+00	3.29073E+06	3.29073E+06
9	3.01520E+03	1.54924E+03	1.31105E+03	6.43190E+05	6.43247E+05	.00000E+00	2.21609E+06	2.21609E+06
10	3.36495E+03	1.76535E+03	1.51390E+03	7.42705E+05	7.42796E+05	.00000E+00	2.47363E+06	2.47363E+06
11	4.17181E+03	2.01738E+03	1.61351E+03	7.91574E+05	7.91661E+05	.00000E+00	3.06156E+06	3.06156E+06
12	1.95558E+03	9.31916E+02	7.33620E+02	3.59907E+05	3.59936E+05	.00000E+00	1.43516E+06	1.43516E+06
13	4.69274E+02	2.31172E+02	1.89048E+02	9.27450E+04	9.27524E+04	.00000E+00	3.44824E+05	3.44824E+05
14	2.48672E+03	1.16053E+03	9.00507E+02	4.41781E+05	4.41815E+05	.00000E+00	1.82375E+06	1.82375E+06
15	6.79112E+03	2.89282E+03	2.03870E+03	1.00017E+06	1.00020E+06	.00000E+00	4.97249E+06	4.97249E+06
16	7.91398E+03	3.34907E+03	2.33801E+03	1.14701E+06	1.14718E+06	.00000E+00	5.79893E+06	5.79893E+06
17	1.34747E+04	5.31520E+03	3.38691E+03	1.66159E+06	1.66185E+06	.00000E+00	9.85049E+06	9.85049E+06
18	2.96593E+04	1.00093E+04	4.81816E+03	2.36375E+06	2.36421E+06	.00000E+00	2.16169E+07	2.16169E+07
19	1.87104E+04	6.90696E+03	3.97999E+03	1.95255E+06	1.95240E+06	.00000E+00	1.36613E+07	1.36613E+07
20	1.37057E+04	4.94263E+03	2.61991E+03	1.28530E+06	1.28553E+06	.00000E+00	1.00018E+07	1.00018E+07
21	4.29624E+04	1.37946E+04	5.44924E+03	2.67335E+06	2.67446E+06	.00000E+00	3.13902E+07	3.13902E+07
22	4.54562E+04	1.47885E+04	6.37070E+03	3.12541E+06	3.12566E+06	.00000E+00	3.31073E+07	3.31073E+07
23	5.85873E+04	1.62592E+04	3.06002E+03	1.50122E+06	1.50200E+06	.00000E+00	4.26759E+07	4.26759E+07
24	5.18835E+04	1.49531E+04	3.46377E+03	1.69930E+06	1.70007E+06	.00000E+00	3.78809E+07	3.78809E+07
25	9.22538E+04	2.84689E+04	9.61942E+03	4.71920E+06	4.71808E+06	.00000E+00	6.71931E+07	6.71931E+07

26	1.05965E+05	3.00362E+04	6.18945E+03	3.03649E+06	3.03781E+06	.00000E+00	7.72742E+07	7.72742E+07
27	8.11112E+04	2.34849E+04	5.36375E+03	2.63141E+06	2.63089E+06	.00000E+00	5.91861E+07	5.91861E+07
28	6.77379E+04	1.85957E+04	3.04654E+03	1.49461E+06	1.49458E+06	.00000E+00	4.92867E+07	4.92867E+07
29	2.04333E+04	6.17783E+03	1.80908E+03	8.87519E+05	8.86228E+05	.00000E+00	1.48953E+07	1.48953E+07
30	1.13867E+04	3.02484E+03	2.57566E+02	1.26359E+05	1.25756E+05	.00000E+00	8.29634E+06	8.29634E+06
31	1.49969E+04	4.89369E+03	2.19138E+03	1.07507E+06	1.07720E+06	.00000E+00	1.10479E+07	1.10479E+07
32	1.42136E+04	4.06841E+03	1.00956E+03	4.95283E+05	4.95993E+05	.00000E+00	1.03573E+07	1.03573E+07
33	1.22465E+04	3.97595E+03	1.50927E+03	7.40434E+05	7.36927E+05	.00000E+00	8.94090E+06	8.94090E+06
34	6.07060E+04	1.59235E+04	1.70545E+03	8.36680E+05	8.38673E+05	.00000E+00	4.41071E+07	4.41071E+07
35	4.11640E+04	1.11329E+04	1.46833E+03	7.20349E+05	7.19430E+05	.00000E+00	2.99998E+07	2.99998E+07
36	2.17648E+04	5.59305E+03	1.60940E+02	7.89560E+04	7.82031E+04	.00000E+00	1.58591E+07	1.58591E+07
37	1.81060E+04	4.48352E+03	-1.74842E+02	-8.57761E+04	-8.64974E+04	.00000E+00	1.31903E+07	1.31903E+07
38	7.30592E+03	1.77618E+03	-1.45628E+02	-7.14440E+04	-7.16002E+04	.00000E+00	5.32294E+06	5.32294E+06
39	4.38191E+03	9.89089E+02	-2.26175E+02	-1.10960E+05	-1.11130E+05	.00000E+00	3.19203E+06	3.19203E+06
40	2.89434E+03	6.41508E+02	-1.80483E+02	-8.85433E+04	-8.86719E+04	.00000E+00	2.10890E+06	2.10890E+06
41	2.07316E+03	4.44603E+02	-1.56803E+02	-7.69260E+04	-7.69728E+04	.00000E+00	1.51043E+06	1.51043E+06
42	7.95564E+02	1.68342E+02	-6.44590E+01	-3.16230E+04	-3.16471E+04	.00000E+00	5.79597E+05	5.79597E+05
43	5.78814E+02	1.25101E+02	-4.22429E+01	-2.07240E+04	-2.07429E+04	.00000E+00	4.21719E+05	4.21719E+05
44	2.31273E+02	4.93207E+01	-1.80420E+01	-8.85123E+03	-8.86200E+03	.00000E+00	1.68493E+05	1.68493E+05
45	9.36032E+01	2.00645E+01	-7.13816E+00	-3.50192E+03	-3.50866E+03	.00000E+00	6.81947E+04	6.81947E+04
46	4.34614E+01	9.30647E+00	-3.33500E+00	-1.63612E+03	-1.63966E+03	.00000E+00	3.16636E+04	3.16636E+04
47	4.03401E+00	8.71882E-01	-2.95773E-01	-1.45103E+02	-1.45648E+02	.00000E+00	2.93879E+03	2.93879E+03
48	3.49298E+00	5.72162E-01	-3.44230E-01	-1.68876E+02	-1.69421E+02	.00000E+00	2.48305E+03	2.48305E+03
49	1.22399E+03	1.71590E+02	-1.78763E+02	-8.76994E+04	-8.76778E+04	.00000E+00	8.69079E+05	8.69079E+05
50	1.29245E+03	2.58257E+02	-8.34353E+01	-4.09326E+04	-4.09091E+04	.00000E+00	9.38118E+05	9.38118E+05
51	5.71745E+02	1.32731E+02	-2.61551E+00	-1.28314E+03	-1.27537E+03	.00000E+00	4.14832E+05	4.14832E+05
52	6.95011E+02	1.74968E+02	2.35368E+01	1.15469E+04	1.15537E+04	.00000E+00	5.03368E+05	5.03368E+05
53	1.27957E+03	4.61381E+02	2.47263E+02	1.21305E+05	1.21328E+05	.00000E+00	9.32782E+05	9.32782E+05
54	5.79269E+03	3.38652E+03	3.01881E+03	1.48100E+06	1.48115E+06	.00000E+00	4.26212E+06	4.26212E+06
55	2.92704E+05	2.13995E+05	2.13492E+05	1.04737E+08	1.04747E+08	.00000E+00	2.16468E+08	2.16468E+08
56	5.25870E+07	3.92714E+07	3.92856E+07	1.92732E+10	1.92752E+10	.00000E+00	3.88809E+10	3.88809E+10
57	5.52367E+08	4.13090E+08	4.13142E+08	2.02684E+11	2.02707E+11	.00000E+00	4.08474E+11	4.08474E+11
58	3.54198E+08	2.56745E+08	2.56391E+08	1.25783E+11	1.25797E+11	.00000E+00	2.62024E+11	2.62024E+11
59	1.01410E+09	7.76141E+08	7.75499E+08	3.80453E+11	3.80509E+11	.00000E+00	7.49167E+11	7.49167E+11
60	1.19579E+09	8.89357E+08	8.87651E+08	4.35474E+11	4.35533E+11	.00000E+00	8.83988E+11	8.83988E+11
61	1.97494E+09	1.22443E+09	1.19575E+09	5.86624E+11	5.86674E+11	.00000E+00	1.45613E+12	1.45613E+12
62	3.00508E+09	1.08910E+09	6.67979E+08	3.27704E+11	3.27687E+11	.00000E+00	2.19122E+12	2.19122E+12
63	1.43811E+09	3.89549E+08	3.17462E+07	1.55744E+10	1.54426E+10	.00000E+00	1.04960E+12	1.04960E+12
64	1.13734E+08	3.20658E+07	6.19973E+06	3.04153E+09	2.99069E+09	.00000E+00	8.29845E+10	8.29845E+10
65	2.03503E+06	6.61067E+05	3.21009E+05	1.57484E+08	1.55079E+08	.00000E+00	1.50006E+09	1.50006E+09
66	8.88801E+01	2.93216E+01	1.31407E+01	6.44673E+03	5.41380E+03	.00000E+00	6.55206E+04	6.55206E+04
67	2.19375E-01	5.65195E-02	1.21495E-02	5.96045E+00	5.44805E+00	.00000E+00	1.62175E+02	1.62175E+02
68	9.70414E+09	5.11089E+09	4.27426E+09	2.09692E+12	2.09692E+12	.00000E+00	7.12485E+12	7.12485E+12

1 SUMMARY FOR ZONE 4 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 9.93750E+02

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	4.05017E+02	3.82323E+02	1.08079E+02	-4.90392E+02	.00000E+00
3	.00000E+00	.00000E+00	4.65602E+01	4.24092E+03	3.30540E+03	1.04239E+03	-4.30124E+03	1.00010E+00
4	.00000E+00	.00000E+00	3.70683E+02	7.85969E+03	5.71582E+03	1.70243E+03	-7.04762E+03	1.00006E+00
5	.00000E+00	.00000E+00	7.85850E+02	2.59830E+04	1.80565E+04	4.92461E+03	-2.21954E+04	1.00008E+00
6	.00000E+00	.00000E+00	2.90459E+03	1.71739E+05	1.17626E+05	2.73761E+04	-1.42099E+05	1.00014E+00
7	.00000E+00	.00000E+00	1.81144E+04	4.06739E+05	2.72481E+05	4.80182E+04	-3.02390E+05	1.00015E+00
8	.00000E+00	.00000E+00	6.63293E+04	6.55313E+05	3.98265E+05	5.25208E+04	-3.84456E+05	9.99996E-01
9	.00000E+00	.00000E+00	9.48121E+04	4.21243E+05	2.81141E+05	2.22071E+04	-2.08537E+05	1.00001E+00
10	.00000E+00	.00000E+00	1.05444E+05	4.45978E+05	3.36186E+05	1.74246E+04	-2.48166E+05	1.00000E+00
11	.00000E+00	.00000E+00	1.80845E+05	5.76494E+05	4.05605E+05	1.61625E+04	-2.40923E+05	1.00000E+00
12	.00000E+00	.00000E+00	1.55219E+05	1.98236E+05	2.61194E+05	5.95503E+03	-1.11929E+05	9.99998E-01
13	.00000E+00	.00000E+00	5.28419E+04	1.92985E+04	8.08356E+04	1.31612E+03	-2.93099E+04	1.00000E+00
14	.00000E+00	.00000E+00	1.95859E+05	2.63913E+05	3.15525E+05	6.35446E+03	-1.26017E+05	9.99992E-01

15	.00000E+00	.00000E+00	3.22451E+05	1.01591E+06	5.39995E+05	1.19390E+04	-2.29487E+05	1.00001E+00
16	.00000E+00	.00000E+00	3.25081E+05	1.16408E+06	6.23539E+05	8.55106E+03	-3.07002E+05	9.99989E-01
17	.00000E+00	.00000E+00	5.57991E+05	2.33254E+06	8.41238E+05	1.01446E+04	-2.93538E+05	1.00013E+00
18	.00000E+00	.00000E+00	9.46225E+05	6.12514E+06	8.12965E+05	1.71428E+04	1.16080E+05	1.00002E+00
19	.00000E+00	.00000E+00	7.66638E+05	3.32835E+06	9.76772E+05	9.51996E+03	-2.19794E+05	1.00009E+00
20	.00000E+00	.00000E+00	1.03372E+06	2.51604E+06	1.21807E+06	7.96747E+03	-1.92230E+05	9.99959E-01
21	.00000E+00	.00000E+00	1.49195E+06	8.73303E+06	2.17156E+06	2.57168E+04	-7.05097E+05	9.99924E-01
22	.00000E+00	.00000E+00	2.37930E+06	9.08626E+06	1.98106E+06	2.52099E+04	3.72905E+05	1.00003E+00
23	.00000E+00	.00000E+00	2.22674E+06	1.75882E+07	1.67463E+06	3.71599E+04	5.14534E+05	1.00009E+00
24	.00000E+00	.00000E+00	1.83095E+06	1.40328E+07	2.42123E+06	4.25410E+04	-6.33244E+05	1.00012E+00
25	.00000E+00	.00000E+00	2.70744E+06	3.14720E+07	2.08881E+06	8.48044E+04	5.34771E+05	9.99825E-01
26	.00000E+00	.00000E+00	2.22153E+06	4.31669E+07	2.51584E+06	1.21518E+05	-4.18084E+05	1.00051E+00
27	.00000E+00	.00000E+00	2.58799E+06	3.93679E+07	3.81221E+06	1.07976E+05	-1.33010E+06	9.99594E-01
28	.00000E+00	.00000E+00	3.85516E+06	3.45179E+07	1.91436E+06	1.01257E+05	1.84272E+06	9.99588E-01
29	.00000E+00	.00000E+00	1.92521E+06	9.00644E+06	2.00361E+06	6.22682E+04	-1.40771E+05	1.00003E+00
30	.00000E+00	.00000E+00	2.01058E+06	1.23195E+07	1.92278E+06	2.57363E+04	6.20800E+04	9.99997E-01
31	.00000E+00	.00000E+00	1.91991E+06	4.66868E+06	4.02004E+06	1.39812E+04	-2.11409E+06	9.99995E-01
32	.00000E+00	.00000E+00	4.01958E+06	5.79507E+06	3.35606E+06	2.16426E+04	6.41880E+05	9.99999E-01
33	.00000E+00	.00000E+00	3.37354E+06	1.41295E+07	4.08768E+06	2.08769E+04	-7.35001E+05	9.99998E-01
34	.00000E+00	.00000E+00	4.10061E+06	2.99832E+07	1.66089E+06	1.60937E+05	2.28005E+06	9.99846E-01
35	.00000E+00	.00000E+00	1.66400E+06	2.62907E+07	1.37573E+06	6.42024E+04	2.25429E+05	9.99589E-01
36	.00000E+00	.00000E+00	1.37701E+06	2.32549E+07	1.09758E+06	1.15050E+05	1.64408E+05	9.99992E-01
37	.00000E+00	.00000E+00	1.09740E+06	1.99415E+07	6.14426E+05	1.89304E+05	2.93630E+05	1.00002E+00
38	.00000E+00	.00000E+00	6.14309E+05	1.15015E+07	4.33307E+05	7.91214E+04	1.02129E+05	9.99798E-01
39	.00000E+00	.00000E+00	4.33142E+05	5.83124E+06	2.83735E+05	6.42911E+04	8.51030E+04	1.00002E+00
40	.00000E+00	.00000E+00	2.83678E+05	4.28779E+06	1.52251E+05	1.13263E+05	1.82000E+04	9.99937E-01
41	.00000E+00	.00000E+00	1.52224E+05	3.11600E+06	8.92135E+04	2.78065E+04	3.51559E+04	1.00016E+00
42	.00000E+00	.00000E+00	8.92296E+04	1.19208E+06	5.80555E+04	1.59064E+04	1.52604E+04	1.00004E+00
43	.00000E+00	.00000E+00	5.80400E+04	8.66122E+05	3.06755E+04	1.77947E+04	9.56179E+03	1.00007E+00
44	.00000E+00	.00000E+00	3.06851E+04	3.47366E+05	1.53816E+04	1.10930E+04	4.21119E+03	9.99989E-01
45	.00000E+00	.00000E+00	1.53890E+04	1.39686E+05	7.17588E+03	6.53233E+03	1.67991E+03	1.00003E+00
46	.00000E+00	.00000E+00	7.17929E+03	6.76465E+04	1.20302E+03	5.21213E+03	7.63887E+02	1.00002E+00
47	.00000E+00	.00000E+00	1.20244E+03	6.49456E+03	9.27734E-02	1.12826E+03	7.40677E+01	1.00001E+00
48	.00000E+00	.00000E+00	1.47355E+03	1.41935E+01	8.06720E+02	.00000E+00	6.66831E+02	1.00000E+00
49	.00000E+00	.00000E+00	5.57495E+05	8.06904E+03	2.93907E+05	.00000E+00	2.63588E+05	1.00000E+00
50	.00000E+00	.00000E+00	3.61398E+05	7.86392E+03	3.11644E+05	.00000E+00	4.97532E+04	1.00000E+00
51	.00000E+00	.00000E+00	1.57995E+05	2.75655E+03	1.34745E+05	.00000E+00	2.32502E+04	1.00000E+00
52	.00000E+00	.00000E+00	1.98372E+05	6.12513E+03	1.58471E+05	.00000E+00	3.99013E+04	1.00000E+00
53	.00000E+00	.00000E+00	2.73031E+05	1.59196E+04	2.79990E+05	.00000E+00	-6.95840E+03	1.00000E+00
54	.00000E+00	.00000E+00	4.94672E+05	1.01878E+05	1.13466E+06	.00000E+00	-6.39990E+05	1.00000E+00
55	.00000E+00	.00000E+00	1.00994E+06	7.36532E+06	5.65031E+07	.00000E+00	-5.54931E+07	9.99990E-01
56	.00000E+00	.00000E+00	1.07531E+07	1.51397E+09	1.11098E+10	.00000E+00	-1.10991E+10	1.00186E+00
57	.00000E+00	.00000E+00	3.16788E+09	2.71092E+10	1.26132E+11	.00000E+00	-1.22965E+11	1.00000E+00
58	.00000E+00	.00000E+00	2.69291E+10	1.50338E+10	1.01879E+11	.00000E+00	-7.49497E+10	1.00000E+00
59	.00000E+00	.00000E+00	2.84184E+10	3.02038E+10	2.94846E+11	.00000E+00	-2.66428E+11	1.00000E+00
60	.00000E+00	.00000E+00	8.25157E+10	4.82363E+10	3.76035E+11	.00000E+00	-2.93520E+11	1.00000E+00
61	.00000E+00	.00000E+00	3.18909E+11	2.48960E+11	6.56061E+11	.00000E+00	-3.37152E+11	9.99999E-01
62	.00000E+00	.00000E+00	8.92350E+11	8.61643E+11	1.06094E+12	.00000E+00	-1.68587E+11	1.00000E+00
63	.00000E+00	.00000E+00	1.03070E+12	8.05604E+11	1.05046E+12	.00000E+00	-1.97620E+10	1.00000E+00
64	.00000E+00	.00000E+00	2.86391E+11	9.72607E+10	2.89576E+11	.00000E+00	-3.18517E+09	1.00000E+00
65	.00000E+00	.00000E+00	1.20496E+10	1.75469E+09	1.21803E+10	.00000E+00	-1.30762E+08	1.00000E+00
66	.00000E+00	.00000E+00	3.11254E+06	1.15955E+05	3.11794E+06	.00000E+00	-5.39981E+03	1.00000E+00
67	.00000E+00	.00000E+00	4.01836E+04	6.58994E+02	4.02040E+04	.00000E+00	-2.03623E+01	1.00000E+00
68	.00000E+00	.00000E+00	2.68149E+12	2.13772E+12	3.97933E+12	1.83271E+06	-1.29784E+12	1.00000E+00

0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	3.01571E+00	2.07654E+00	2.04799E+00	1.03046E+03	1.52085E+03	.00000E+00	3.79600E+03	3.79600E+03
3	2.61953E+01	1.78353E+01	1.75344E+01	8.82258E+03	1.31238E+04	.00000E+00	3.31235E+04	3.31235E+04
4	4.32287E+01	2.88731E+01	2.81944E+01	1.41862E+04	2.12338E+04	.00000E+00	5.47869E+04	5.47869E+04
5	1.29622E+02	8.63488E+01	8.42556E+01	4.23938E+04	6.45892E+04	.00000E+00	1.65348E+05	1.65348E+05

6	7.91534E+02	5.21105E+02	5.05530E+02	2.54361E+05	3.96460E+05	.00000E+00	1.01962E+06	1.01962E+06
7	1.78640E+03	1.12497E+03	1.06799E+03	5.37366E+05	8.39756E+05	.00000E+00	2.29451E+06	2.29451E+06
8	2.81039E+03	1.59579E+03	1.42460E+03	7.16798E+05	1.10125E+06	.00000E+00	3.53830E+06	3.53830E+06
9	1.96443E+03	1.02538E+03	8.63851E+02	4.34653E+05	6.43190E+05	.00000E+00	2.42981E+06	2.42981E+06
10	2.15251E+03	1.14915E+03	9.82870E+02	4.94538E+05	7.42705E+05	.00000E+00	2.69068E+06	2.69068E+06
11	2.73882E+03	1.35592E+03	1.09439E+03	5.50651E+05	7.91574E+05	.00000E+00	3.38194E+06	3.38194E+06
12	1.29634E+03	6.26837E+02	4.92844E+02	2.47978E+05	3.59907E+05	.00000E+00	1.58995E+06	1.58995E+06
13	3.11762E+02	1.55653E+02	1.26074E+02	6.34351E+04	9.27450E+04	.00000E+00	3.80824E+05	3.80824E+05
14	1.66241E+03	7.96440E+02	6.27565E+02	3.15764E+05	4.41781E+05	.00000E+00	2.03332E+06	2.03332E+06
15	4.71522E+03	2.08840E+03	1.53169E+03	7.70680E+05	1.00017E+06	.00000E+00	5.66313E+06	5.66313E+06
16	5.64353E+03	2.40758E+03	1.66946E+03	8.40003E+05	1.14701E+06	.00000E+00	6.64797E+06	6.64797E+06
17	9.59876E+03	3.97582E+03	2.71893E+03	1.36805E+06	1.66159E+06	.00000E+00	1.13999E+07	1.13999E+07
18	2.26907E+04	8.36903E+03	4.92853E+03	2.47983E+06	2.36375E+06	.00000E+00	2.61046E+07	2.61046E+07
19	1.40416E+04	5.44453E+03	3.44376E+03	1.73276E+06	1.95255E+06	.00000E+00	1.62318E+07	1.62318E+07
20	1.02600E+04	3.81069E+03	2.17243E+03	1.09307E+06	1.28530E+06	.00000E+00	1.18908E+07	1.18908E+07
21	3.65076E+04	1.13160E+04	3.91180E+03	1.96825E+06	2.67335E+06	.00000E+00	3.90380E+07	3.90380E+07
22	3.62284E+04	1.27882E+04	6.95273E+03	3.49832E+06	3.12541E+06	.00000E+00	4.08083E+07	4.08083E+07
23	5.11861E+04	1.49181E+04	4.00620E+03	2.01575E+06	1.50122E+06	.00000E+00	5.47064E+07	5.47064E+07
24	4.74685E+04	1.30456E+04	2.11873E+03	1.06605E+06	1.69930E+06	.00000E+00	4.87926E+07	4.87926E+07
25	6.96479E+04	2.31069E+04	1.04420E+04	5.25397E+06	4.71920E+06	.00000E+00	8.10770E+07	8.10770E+07
26	9.04132E+04	2.55213E+04	5.20395E+03	2.61841E+06	3.03649E+06	.00000E+00	9.69884E+07	9.69884E+07
27	6.83289E+04	1.87311E+04	2.58629E+03	1.30131E+06	2.63141E+06	.00000E+00	7.30807E+07	7.30807E+07
28	4.96163E+04	1.59032E+04	6.63278E+03	3.33733E+06	1.49461E+06	.00000E+00	5.99157E+07	5.99157E+07
29	1.46153E+04	4.50602E+03	1.48412E+03	7.46748E+05	8.87519E+05	.00000E+00	1.74239E+07	1.74239E+07
30	8.42504E+03	2.33435E+03	3.74514E+02	1.88439E+05	1.26359E+05	.00000E+00	9.93627E+06	9.93627E+06
31	1.67732E+04	2.78363E+03	-2.06500E+03	-1.03902E+06	1.07507E+06	.00000E+00	1.29279E+07	1.29279E+07
32	8.47580E+03	3.23344E+03	2.26005E+03	1.13716E+06	4.95283E+05	.00000E+00	1.14663E+07	1.14663E+07
33	5.86855E+03	1.47610E+03	1.07983E+01	5.43323E+03	7.40434E+05	.00000E+00	7.77396E+06	7.77396E+06
34	4.29937E+04	1.40015E+04	6.19435E+03	3.11673E+06	8.36680E+05	.00000E+00	5.31508E+07	5.31508E+07
35	3.31331E+04	9.34369E+03	1.87968E+03	9.45777E+05	7.20349E+05	.00000E+00	3.70269E+07	3.70269E+07
36	1.91791E+04	5.10612E+03	4.83674E+02	2.43364E+05	7.89560E+04	.00000E+00	2.05118E+07	2.05118E+07
37	1.70559E+04	4.52585E+03	4.13100E+02	2.07854E+05	-8.57761E+04	.00000E+00	1.78045E+07	1.78045E+07
38	7.58953E+03	1.95481E+03	6.09851E+01	3.06851E+04	-7.14440E+04	.00000E+00	7.55880E+06	7.55880E+06
39	5.32146E+03	1.31925E+03	-5.13884E+01	-2.58565E+04	-1.10960E+05	.00000E+00	4.91815E+06	4.91815E+06
40	4.09844E+03	9.66861E+02	-1.39804E+02	-7.03433E+04	-8.85433E+04	.00000E+00	3.49134E+06	3.49134E+06
41	2.99019E+03	7.14450E+02	-8.30161E+01	-4.17701E+04	-7.69260E+04	.00000E+00	2.55738E+06	2.55738E+06
42	1.16931E+03	2.79327E+02	-3.25197E+01	-1.63626E+04	-3.16230E+04	.00000E+00	9.95065E+05	9.95065E+05
43	8.32248E+02	1.99383E+02	-2.21843E+01	-1.11622E+04	-2.07240E+04	.00000E+00	7.13250E+05	7.13250E+05
44	3.38434E+02	8.09753E+01	-9.22185E+00	-4.64004E+03	-8.85123E+03	.00000E+00	2.88388E+05	2.88388E+05
45	1.36893E+02	3.28129E+01	-3.62116E+00	-1.82201E+03	-3.50192E+03	.00000E+00	1.16722E+05	1.16722E+05
46	6.44966E+01	1.54508E+01	-1.73352E+00	-8.72233E+02	-1.63612E+03	.00000E+00	5.46742E+04	5.46742E+04
47	6.05365E+00	1.46212E+00	-1.41180E-01	-7.10356E+01	-1.45103E+02	.00000E+00	5.12532E+03	5.12532E+03
48	2.44036E+00	1.06224E+00	9.89660E-01	4.97955E+02	-1.68876E+02	.00000E+00	3.29390E+03	3.29390E+03
49	9.50588E+02	3.91999E+02	3.49569E+02	1.75888E+05	-8.76994E+04	.00000E+00	1.21983E+06	1.21983E+06
50	1.29025E+03	3.16654E+02	1.75305E+01	8.82061E+03	-4.09326E+04	.00000E+00	1.29220E+06	1.29220E+06
51	5.21798E+02	1.47202E+02	4.36583E+01	2.19670E+04	-1.28314E+03	.00000E+00	5.48646E+05	5.48646E+05
52	5.70078E+02	1.89436E+02	1.02251E+02	5.14482E+04	1.15469E+04	.00000E+00	6.43937E+05	6.43937E+05
53	9.64535E+02	3.67495E+02	2.27258E+02	1.14347E+05	1.21305E+05	.00000E+00	1.11732E+06	1.11732E+06
54	3.27613E+03	1.90125E+03	1.67147E+03	8.41012E+05	1.48100E+06	.00000E+00	4.37461E+06	4.37461E+06
55	1.27144E+05	9.82193E+04	9.78705E+04	4.92443E+07	1.04737E+08	.00000E+00	1.96413E+08	1.96413E+08
56	2.05666E+07	1.62474E+07	1.62456E+07	8.17408E+09	1.92732E+10	.00000E+00	3.37770E+10	3.37770E+10
57	2.00975E+08	1.58497E+08	1.58438E+08	7.97194E+10	2.02684E+11	.00000E+00	3.44582E+11	3.44582E+11
58	1.32992E+08	1.01150E+08	1.01029E+08	5.08336E+10	1.25783E+11	.00000E+00	2.24263E+11	2.24263E+11
59	2.83822E+08	2.26884E+08	2.26619E+08	1.14025E+11	3.80453E+11	.00000E+00	5.68557E+11	5.68557E+11
60	3.64116E+08	2.82734E+08	2.82127E+08	1.41954E+11	4.35474E+11	.00000E+00	6.94984E+11	6.94984E+11
61	7.69110E+08	5.03989E+08	4.95813E+08	2.49472E+11	5.86624E+11	.00000E+00	1.28536E+12	1.28536E+12
62	1.18742E+09	4.66423E+08	3.16238E+08	1.59118E+11	3.27704E+11	.00000E+00	1.95721E+12	1.95721E+12
63	5.73412E+08	1.44111E+08	-8.32269E+06	-4.18762E+09	1.55744E+10	.00000E+00	9.17755E+11	9.17755E+11
64	4.62664E+07	1.15409E+07	-2.85472E+05	-1.43637E+08	3.04153E+09	.00000E+00	6.85043E+10	6.85043E+10
65	7.55732E+05	2.09620E+05	5.31091E+04	2.67222E+07	1.57484E+08	.00000E+00	7.87372E+08	7.87372E+08

66	3.03569E+01	8.77905E+00	2.08070E+00	1.04692E+03	6.44673E+03	.00000E+00	2.56154E+04	2.56154E+04
67	1.88831E-01	3.20978E-02	-2.86230E-02	-1.44019E+01	5.96045E+00	.00000E+00	8.57504E+01	8.57504E+01
68	3.58029E+09	1.91211E+09	1.58813E+09	7.99080E+11	2.09692E+12	.00000E+00	6.09679E+12	6.09679E+12

1 SUMMARY FOR ZONE 5 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 5.34573E+03

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	7.05059E+02	7.53345E+02	9.37792E+01	-8.47137E+02	1.00000E+00
3	.00000E+00	.00000E+00	8.29517E+01	7.59364E+03	6.74064E+03	6.13961E+02	-7.27167E+03	1.00015E+00
4	.00000E+00	.00000E+00	6.93006E+02	1.42219E+04	1.16346E+04	7.43166E+02	-1.16848E+04	1.00001E+00
5	.00000E+00	.00000E+00	1.53614E+03	4.63418E+04	3.54875E+04	1.53567E+03	-3.54871E+04	1.00001E+00
6	.00000E+00	.00000E+00	5.79162E+03	2.95405E+05	2.17585E+05	4.71686E+03	-2.16510E+05	9.99942E-01
7	.00000E+00	.00000E+00	3.75413E+04	6.94762E+05	4.91983E+05	2.66309E+03	-4.57099E+05	9.99921E-01
8	.00000E+00	.00000E+00	1.26137E+05	1.20596E+06	7.20954E+05	8.47157E+02	-5.95654E+05	9.99960E-01
9	.00000E+00	.00000E+00	1.99204E+05	7.46716E+05	5.49844E+05	7.06706E+02	-3.51341E+05	9.99986E-01
10	.00000E+00	.00000E+00	2.09462E+05	7.32811E+05	6.14357E+05	8.33658E+02	-4.05721E+05	9.99983E-01
11	.00000E+00	.00000E+00	3.28855E+05	1.05666E+06	7.71073E+05	1.07667E+03	-4.43294E+05	9.99999E-01
12	.00000E+00	.00000E+00	2.88148E+05	3.62114E+05	4.82488E+05	5.22448E+02	-1.94864E+05	1.00000E+00
13	.00000E+00	.00000E+00	9.35709E+04	2.62017E+04	1.40205E+05	1.35616E+02	-4.67701E+04	1.00000E+00
14	.00000E+00	.00000E+00	3.41876E+05	4.53322E+05	5.77435E+05	6.91157E+02	-2.36259E+05	1.00001E+00
15	.00000E+00	.00000E+00	6.79810E+05	1.94222E+06	1.23396E+06	1.88491E+03	-5.56030E+05	9.99997E-01
16	.00000E+00	.00000E+00	8.23994E+05	2.14544E+06	1.36312E+06	2.38267E+03	-5.41505E+05	9.99998E-01
17	.00000E+00	.00000E+00	1.32210E+06	3.89612E+06	2.20433E+06	4.14169E+03	-8.86337E+05	9.99987E-01
18	.00000E+00	.00000E+00	1.93926E+06	1.08712E+07	3.16080E+06	1.22171E+04	-1.23367E+06	9.99976E-01
19	.00000E+00	.00000E+00	1.70086E+06	6.24440E+06	2.48477E+06	1.56099E+04	-7.99406E+05	9.99968E-01
20	.00000E+00	.00000E+00	2.31153E+06	6.26977E+06	2.96553E+06	1.71955E+04	-6.71196E+05	1.00000E+00
21	.00000E+00	.00000E+00	3.79190E+06	2.22669E+07	3.05798E+06	6.88996E+04	6.65220E+05	9.99973E-01
22	.00000E+00	.00000E+00	3.71622E+06	2.13849E+07	4.90778E+06	4.48001E+04	-1.23623E+06	9.99982E-01
23	.00000E+00	.00000E+00	5.74637E+06	4.91736E+07	5.13513E+06	5.77831E+04	5.53263E+05	1.00002E+00
24	.00000E+00	.00000E+00	5.70327E+06	3.87063E+07	3.24703E+06	8.99682E+04	2.36686E+06	9.99947E-01
25	.00000E+00	.00000E+00	4.21559E+06	5.31621E+07	6.40290E+06	1.03622E+05	-2.29245E+06	1.00018E+00
26	.00000E+00	.00000E+00	6.75885E+06	8.75806E+07	4.53205E+06	1.62830E+05	2.06370E+06	1.00002E+00
27	.00000E+00	.00000E+00	4.69424E+06	9.81733E+07	2.71209E+06	2.43907E+05	1.73571E+06	1.00027E+00
28	.00000E+00	.00000E+00	2.80134E+06	4.21923E+07	4.34552E+06	1.02036E+05	-1.64674E+06	1.00009E+00
29	.00000E+00	.00000E+00	4.36195E+06	1.88693E+07	4.79362E+06	5.01264E+04	-4.81687E+05	9.99987E-01
30	.00000E+00	.00000E+00	4.80944E+06	4.60606E+07	4.91409E+06	2.74963E+04	-1.32157E+05	1.00000E+00
31	.00000E+00	.00000E+00	4.90026E+06	3.61967E+06	1.10027E+06	3.34369E+04	3.76654E+06	1.00000E+00
32	.00000E+00	.00000E+00	9.46713E+05	9.77959E+05	8.88049E+05	4.68903E+04	1.17536E+04	1.00001E+00
33	.00000E+00	.00000E+00	1.10738E+06	4.25737E+06	6.24911E+05	3.68250E+03	4.78752E+05	1.00001E+00
34	.00000E+00	.00000E+00	7.03952E+05	3.59431E+07	2.54881E+06	1.06541E+04	-1.85576E+06	1.00018E+00
35	.00000E+00	.00000E+00	2.56850E+06	4.54109E+07	2.47982E+06	1.39305E+04	7.32733E+04	1.00029E+00
36	.00000E+00	.00000E+00	2.48405E+06	4.46526E+07	2.23654E+06	3.34772E+04	2.14145E+05	9.99978E-01
37	.00000E+00	.00000E+00	2.23815E+06	4.20637E+07	1.37575E+06	6.77502E+05	1.84983E+05	9.99981E-01
38	.00000E+00	.00000E+00	1.37576E+06	2.89271E+07	1.11401E+06	1.51985E+05	1.09642E+05	1.00005E+00
39	.00000E+00	.00000E+00	1.11248E+06	1.74078E+07	8.93370E+05	5.36283E+04	1.65508E+05	9.99990E-01
40	.00000E+00	.00000E+00	8.92720E+05	1.62016E+07	6.12102E+05	7.61565E+04	2.04481E+05	9.99989E-01
41	.00000E+00	.00000E+00	6.11426E+05	1.23083E+07	3.65179E+05	1.02159E+05	1.44149E+05	9.99951E-01
42	.00000E+00	.00000E+00	3.65391E+05	4.79295E+06	2.41827E+05	6.64595E+04	5.71108E+04	9.99992E-01
43	.00000E+00	.00000E+00	2.41803E+05	3.47043E+06	1.27477E+05	7.40272E+04	4.02982E+04	1.00000E+00
44	.00000E+00	.00000E+00	1.27338E+05	1.40824E+06	6.42236E+04	4.66621E+04	1.64532E+04	9.99997E-01
45	.00000E+00	.00000E+00	6.42968E+04	5.65944E+05	3.02887E+04	2.74692E+04	6.53904E+03	9.99999E-01
46	.00000E+00	.00000E+00	3.02827E+04	2.77775E+05	5.05959E+03	2.21769E+04	3.04636E+03	9.99997E-01
47	.00000E+00	.00000E+00	5.05339E+03	2.66568E+04	1.53711E+00	4.79448E+03	2.57370E+02	1.00000E+00
48	.00000E+00	.00000E+00	2.27979E+02	1.24550E+01	6.95560E+02	.00000E+00	-4.67582E+02	1.00000E+00
49	.00000E+00	.00000E+00	1.55636E+05	8.71745E+03	3.12642E+05	.00000E+00	-1.57006E+05	1.00000E+00
50	.00000E+00	.00000E+00	1.10159E+06	2.62559E+04	1.02661E+06	.00000E+00	7.49866E+04	1.00000E+00
51	.00000E+00	.00000E+00	3.96905E+05	7.99805E+03	3.86760E+05	.00000E+00	1.01457E+04	1.00000E+00
52	.00000E+00	.00000E+00	3.44224E+05	1.42530E+04	3.65204E+05	.00000E+00	-2.09805E+04	1.00000E+00
53	.00000E+00	.00000E+00	5.51017E+05	3.53197E+04	6.16416E+05	.00000E+00	-6.53982E+04	1.00000E+00
54	.00000E+00	.00000E+00	9.06866E+05	1.47988E+05	1.63953E+06	.00000E+00	-7.32663E+05	1.00000E+00

55	.00000E+00	.00000E+00	1.61432E+06	6.39354E+06	4.89517E+07	.00000E+00	-4.73375E+07	1.00003E+00
56	.00000E+00	.00000E+00	9.66244E+06	1.08916E+09	7.99214E+09	.00000E+00	-7.98249E+09	1.00063E+00
57	.00000E+00	.00000E+00	2.28368E+09	1.73300E+10	8.06744E+10	.00000E+00	-7.83907E+10	1.00000E+00
58	.00000E+00	.00000E+00	1.73612E+10	9.91286E+09	6.73355E+10	.00000E+00	-4.99743E+10	1.00000E+00
59	.00000E+00	.00000E+00	1.85879E+10	1.34381E+10	1.31836E+11	.00000E+00	-1.13248E+11	1.00000E+00
60	.00000E+00	.00000E+00	4.26881E+10	2.34503E+10	1.83599E+11	.00000E+00	-1.40911E+11	9.99999E-01
61	.00000E+00	.00000E+00	1.61782E+11	1.55388E+11	4.08655E+11	.00000E+00	-2.46873E+11	9.99999E-01
62	.00000E+00	.00000E+00	5.14624E+11	5.59606E+11	6.71206E+11	.00000E+00	-1.56582E+11	1.00000E+00
63	.00000E+00	.00000E+00	6.63399E+11	5.61825E+11	6.58570E+11	.00000E+00	4.82909E+09	1.00000E+00
64	.00000E+00	.00000E+00	2.02855E+11	7.72739E+10	2.02677E+11	.00000E+00	1.77371E+08	1.00000E+00
65	.00000E+00	.00000E+00	9.79938E+09	1.58594E+09	9.82653E+09	.00000E+00	-2.71442E+07	1.00000E+00
66	.00000E+00	.00000E+00	3.19648E+06	1.29669E+05	3.19782E+06	.00000E+00	-1.34149E+03	1.00000E+00
67	.00000E+00	.00000E+00	3.07377E+05	5.08523E+03	3.07355E+05	.00000E+00	2.24616E+01	1.00000E+00
68	.00000E+00	.00000E+00	1.63347E+12	1.42168E+12	2.42251E+12	2.46517E+06	-7.89034E+11	1.00000E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	4.15018E-01	3.23842E-01	3.23903E-01	1.83326E+02	1.03046E+03	.00000E+00	6.78770E+03	6.78770E+03
3	3.56051E+00	2.74024E+00	2.74017E+00	1.55091E+03	8.82258E+03	.00000E+00	5.88320E+04	5.88320E+04
4	5.85772E+00	4.42172E+00	4.41960E+00	2.50144E+03	1.41862E+04	.00000E+00	9.74645E+04	9.74645E+04
5	1.63015E+01	1.22087E+01	1.22030E+01	6.90677E+03	4.23938E+04	.00000E+00	2.85290E+05	2.85290E+05
6	9.02501E+01	6.69055E+01	6.68772E+01	3.78518E+04	2.54361E+05	.00000E+00	1.69273E+06	1.69273E+06
7	1.96382E+02	1.41980E+02	1.41817E+02	8.02670E+04	5.37366E+05	.00000E+00	3.81979E+06	3.81979E+06
8	3.11928E+02	2.14858E+02	2.14040E+02	1.21145E+05	7.16798E+05	.00000E+00	6.20061E+06	6.20061E+06
9	2.21225E+02	1.48018E+02	1.47197E+02	8.33120E+04	4.34653E+05	.00000E+00	4.43296E+06	4.43296E+06
10	2.32166E+02	1.57439E+02	1.56924E+02	8.88174E+04	4.94538E+05	.00000E+00	4.76084E+06	4.76084E+06
11	2.87939E+02	1.90310E+02	1.89681E+02	1.07357E+05	5.50651E+05	.00000E+00	6.10541E+06	6.10541E+06
12	1.43036E+02	9.42139E+01	9.38431E+01	5.31142E+04	2.47978E+05	.00000E+00	2.96472E+06	2.96472E+06
13	4.34349E+01	2.95236E+01	2.94440E+01	1.66650E+04	6.34351E+04	.00000E+00	7.69344E+05	7.69344E+05
14	2.14418E+02	1.41017E+02	1.40472E+02	7.95056E+04	3.15764E+05	.00000E+00	3.99127E+06	3.99127E+06
15	5.97030E+02	3.81348E+02	3.79247E+02	2.14650E+05	7.70680E+05	.00000E+00	1.14555E+07	1.14555E+07
16	8.32794E+02	5.29793E+02	5.27391E+02	2.98498E+05	8.40003E+05	.00000E+00	1.47505E+07	1.47505E+07
17	1.36663E+03	8.56449E+02	8.51101E+02	4.81714E+05	1.36805E+06	.00000E+00	2.46456E+07	2.46456E+07
18	3.62935E+03	2.21622E+03	2.20174E+03	1.24616E+06	2.47983E+06	.00000E+00	6.20056E+07	6.20056E+07
19	2.74107E+03	1.66663E+03	1.64906E+03	9.33350E+05	1.73276E+06	.00000E+00	4.09733E+07	4.09733E+07
20	1.28860E+03	7.54402E+02	7.45380E+02	4.21877E+05	1.09307E+06	.00000E+00	2.65777E+07	2.65777E+07
21	7.96848E+03	4.67061E+03	4.65286E+03	2.63347E+06	1.96825E+06	.00000E+00	1.22357E+08	1.22357E+08
22	6.83758E+03	4.03467E+03	3.99669E+03	2.26209E+06	3.49832E+06	.00000E+00	1.07566E+08	1.07566E+08
23	8.07617E+03	4.59885E+03	4.53898E+03	2.56902E+06	2.01575E+06	.00000E+00	1.59713E+08	1.59713E+08
24	1.07676E+04	6.12725E+03	6.06534E+03	3.43292E+06	1.06605E+06	.00000E+00	1.72692E+08	1.72692E+08
25	9.43618E+03	5.37225E+03	5.23248E+03	2.96153E+06	5.25397E+06	.00000E+00	1.91873E+08	1.91873E+08
26	1.47872E+04	8.39679E+03	8.27243E+03	4.68211E+06	2.61841E+06	.00000E+00	2.95612E+08	2.95612E+08
27	9.87075E+03	5.50268E+03	5.36587E+03	3.03703E+06	1.30131E+06	.00000E+00	2.29020E+08	2.29020E+08
28	5.46598E+03	3.08317E+03	2.98697E+03	1.69059E+06	3.33733E+06	.00000E+00	1.29106E+08	1.29106E+08
29	9.76534E+02	5.06461E+02	4.68314E+02	2.65061E+05	7.46748E+05	.00000E+00	3.40650E+07	3.40650E+07
30	2.34393E+02	1.13329E+02	9.94413E+01	5.62827E+04	1.88439E+05	.00000E+00	1.71663E+07	1.71663E+07
31	9.07671E+03	4.82407E+03	4.81902E+03	2.72752E+06	-1.03902E+06	.00000E+00	8.10783E+07	8.10783E+07
32	3.52488E+03	2.05410E+03	2.02993E+03	1.14892E+06	1.13716E+06	.00000E+00	3.20762E+07	3.20762E+07
33	2.35347E+03	1.05177E+03	8.55467E+02	4.84185E+05	5.43323E+03	.00000E+00	2.49465E+07	2.49465E+07
34	4.17052E+03	2.32348E+03	2.22791E+03	1.26097E+06	3.11673E+06	.00000E+00	1.04701E+08	1.04701E+08
35	3.43916E+03	1.88105E+03	1.80048E+03	1.01905E+06	9.45777E+05	.00000E+00	9.54923E+07	9.54923E+07
36	1.60188E+03	8.56102E+02	8.08335E+02	4.57509E+05	2.43364E+05	.00000E+00	5.80229E+07	5.80229E+07
37	1.36824E+03	7.34021E+02	6.94072E+02	3.92837E+05	2.07854E+05	.00000E+00	5.19228E+07	5.19228E+07
38	4.91073E+02	2.62408E+02	2.47932E+02	1.40327E+05	3.06851E+04	.00000E+00	2.41295E+07	2.41295E+07
39	4.75593E+02	2.58419E+02	2.46739E+02	1.39651E+05	-2.58565E+04	.00000E+00	1.89401E+07	1.89401E+07
40	4.61651E+02	2.49132E+02	2.36997E+02	1.34138E+05	-7.03433E+04	.00000E+00	1.69896E+07	1.69896E+07
41	3.54052E+02	1.90494E+02	1.80884E+02	1.02378E+05	-4.17701E+04	.00000E+00	1.26355E+07	1.26355E+07
42	1.41577E+02	7.59694E+01	7.19947E+01	4.07482E+04	-1.63626E+04	.00000E+00	4.99725E+06	4.99725E+06
43	1.01776E+02	5.44379E+01	5.14779E+01	2.91360E+04	-1.11622E+04	.00000E+00	3.56575E+06	3.56575E+06
44	4.15744E+01	2.21451E+01	2.08717E+01	1.18131E+04	-4.64004E+03	.00000E+00	1.45832E+06	1.45832E+06
45	1.69189E+01	8.92078E+00	8.33414E+00	4.71703E+03	-1.82201E+03	.00000E+00	5.90245E+05	5.90245E+05

46	7.91133E+00	4.13848E+00	3.84128E+00	2.17412E+03	-8.72233E+02	.00000E+00	2.79739E+05	2.79739E+05
47	7.18675E-01	3.64475E-01	3.29219E-01	1.86335E+02	-7.10356E+01	.00000E+00	2.61945E+04	2.61945E+04
48	1.04033E-01	6.07615E-02	5.36639E-02	3.03732E+01	4.97955E+02	.00000E+00	3.02334E+03	3.02334E+03
49	5.15018E+01	3.33620E+01	3.33613E+01	1.88821E+04	1.75888E+05	.00000E+00	1.37845E+06	1.37845E+06
50	2.48578E+02	1.48073E+02	1.48072E+02	8.38072E+04	8.82061E+03	.00000E+00	4.51354E+06	4.51354E+06
51	9.44101E+01	5.67444E+01	5.67373E+01	3.21127E+04	2.19670E+04	.00000E+00	1.66610E+06	1.66610E+06
52	8.85660E+01	5.38612E+01	5.38310E+01	3.04678E+04	5.14482E+04	.00000E+00	1.56782E+06	1.56782E+06
53	1.40252E+02	8.64891E+01	8.64829E+01	4.89484E+04	1.14347E+05	.00000E+00	2.59366E+06	2.59366E+06
54	2.82422E+02	1.91428E+02	1.91434E+02	1.08349E+05	8.41012E+05	.00000E+00	6.64890E+06	6.64890E+06
55	3.92362E+03	3.36877E+03	3.36894E+03	1.90678E+06	4.92443E+07	.00000E+00	1.78441E+08	1.78441E+08
56	3.81381E+05	3.38471E+05	3.38508E+05	1.91592E+08	8.17408E+09	.00000E+00	2.54448E+10	2.54448E+10
57	2.68960E+06	2.34712E+06	2.34750E+06	1.32866E+09	7.97194E+10	.00000E+00	2.30730E+11	2.30730E+11
58	1.84148E+06	1.51804E+06	1.51832E+06	8.59352E+08	5.08336E+10	.00000E+00	1.55243E+11	1.55243E+11
59	1.67063E+06	1.37233E+06	1.37248E+06	7.76808E+08	1.14025E+11	.00000E+00	2.66369E+11	2.66369E+11
60	2.31308E+06	1.84239E+06	1.84253E+06	1.04285E+09	1.41954E+11	.00000E+00	3.55832E+11	3.55832E+11
61	6.51217E+06	4.59259E+06	4.59146E+06	2.59872E+09	2.49472E+11	.00000E+00	8.42792E+11	8.42792E+11
62	7.82583E+06	4.51569E+06	4.47965E+06	2.53543E+09	1.59118E+11	.00000E+00	1.33804E+12	1.33804E+12
63	2.40642E+06	1.21368E+06	1.13335E+06	6.41462E+08	-4.18762E+09	.00000E+00	6.77296E+11	6.77296E+11
64	1.99428E+05	7.45476E+04	5.96020E+04	3.37341E+07	-1.43637E+08	.00000E+00	5.81795E+10	5.81795E+10
65	1.93448E+03	9.57505E+01	-7.45526E+02	-4.21960E+05	2.67222E+07	.00000E+00	7.68376E+08	7.68376E+08
66	1.11415E+00	2.42282E-05	-5.20457E-01	-2.94573E+02	1.04692E+03	.00000E+00	3.12062E+04	3.12062E+04
67	4.17811E-02	1.76784E-02	1.42401E-02	8.05974E+00	-1.44019E+01	.00000E+00	7.13475E+02	7.13475E+02
68	2.59610E+07	1.78838E+07	1.77501E+07	1.00464E+10	7.99080E+11	.00000E+00	3.95309E+12	3.95309E+12

1 SUMMARY FOR ZONE 6 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 3.70758E+06

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	6.50026E+00	7.89614E+00	2.45280E+00	-1.03494E+01	1.00000E+00
3	.00000E+00	.00000E+00	3.52904E+00	4.45870E+01	6.27093E+01	2.28124E+01	-8.19844E+01	9.98824E-01
4	.00000E+00	.00000E+00	2.60394E+01	6.13978E+01	9.98951E+01	3.01499E+01	-1.03997E+02	9.99841E-01
5	.00000E+00	.00000E+00	5.77983E+01	1.70272E+02	3.17217E+02	7.75556E+01	-3.36975E+02	1.00001E+00
6	.00000E+00	.00000E+00	2.01706E+02	1.03937E+03	1.48336E+03	4.41611E+02	-1.72328E+03	1.00004E+00
7	.00000E+00	.00000E+00	1.07202E+03	2.81737E+03	3.21931E+03	8.36109E+02	-2.98329E+03	9.99951E-01
8	.00000E+00	.00000E+00	3.07835E+03	6.64710E+03	4.18957E+03	2.58178E+03	-3.69251E+03	9.99919E-01
9	.00000E+00	.00000E+00	3.50399E+03	3.41940E+03	4.81278E+03	1.52279E+03	-2.83158E+03	1.00000E+00
10	.00000E+00	.00000E+00	2.61379E+03	1.62070E+03	5.29346E+03	9.88248E+02	-3.66777E+03	9.99972E-01
11	.00000E+00	.00000E+00	3.85179E+03	1.86025E+03	6.71935E+03	8.07253E+02	-3.67516E+03	1.00004E+00
12	.00000E+00	.00000E+00	2.58547E+03	3.95900E+02	3.72988E+03	3.23345E+02	-1.46784E+03	1.00002E+00
13	.00000E+00	.00000E+00	6.26955E+02	2.60165E+01	1.17120E+03	9.71296E+01	-6.41361E+02	9.99988E-01
14	.00000E+00	.00000E+00	3.75992E+03	8.74929E+02	5.76264E+03	6.61765E+02	-2.66454E+03	1.00001E+00
15	.00000E+00	.00000E+00	1.15336E+04	7.27365E+03	1.40203E+04	1.09773E+03	-3.58409E+03	9.99987E-01
16	.00000E+00	.00000E+00	1.36774E+04	1.17025E+04	2.62985E+04	1.76304E+03	-1.43828E+04	9.99950E-01
17	.00000E+00	.00000E+00	2.65687E+04	2.96201E+04	3.98104E+04	3.15295E+03	-1.63908E+04	9.99927E-01
18	.00000E+00	.00000E+00	4.34878E+04	1.08016E+05	8.48100E+04	2.16509E+03	-4.34841E+04	9.99963E-01
19	.00000E+00	.00000E+00	7.65898E+04	4.36941E+04	7.96003E+04	6.79486E+02	-3.68513E+03	9.99968E-01
20	.00000E+00	.00000E+00	5.46324E+04	1.35170E+04	4.88738E+04	4.31176E+02	5.32813E+03	9.99993E-01
21	.00000E+00	.00000E+00	7.65919E+04	1.58080E+05	2.22869E+05	1.78699E+04	-1.64141E+05	9.99962E-01
22	.00000E+00	.00000E+00	2.11694E+05	1.67364E+05	2.09813E+05	2.35009E+03	-4.58250E+02	9.99976E-01
23	.00000E+00	.00000E+00	2.26750E+05	4.46846E+05	2.63381E+05	5.70869E+03	-4.23253E+04	9.99968E-01
24	.00000E+00	.00000E+00	2.52926E+05	2.91771E+05	4.48414E+05	5.51812E+02	-1.96052E+05	1.00002E+00
25	.00000E+00	.00000E+00	4.58918E+05	6.08939E+05	2.04659E+05	3.79505E+02	2.53892E+05	9.99986E-01
26	.00000E+00	.00000E+00	2.04669E+05	9.62637E+05	3.65079E+05	3.95184E+02	-1.60841E+05	1.00009E+00
27	.00000E+00	.00000E+00	3.65086E+05	7.76105E+05	2.94163E+05	2.58301E+02	7.06853E+04	9.99971E-01
28	.00000E+00	.00000E+00	2.94167E+05	5.10541E+05	2.03067E+05	1.60566E+02	9.09413E+04	9.99996E-01
29	.00000E+00	.00000E+00	2.00224E+05	7.93536E+04	9.37046E+04	3.98594E+01	1.06480E+05	9.99999E-01
30	.00000E+00	.00000E+00	8.83272E+04	2.11296E+04	3.41375E+04	1.32898E+01	5.41772E+04	9.99996E-01
31	.00000E+00	.00000E+00	2.26472E+04	1.48287E+05	8.44080E+05	2.43623E+02	-8.21678E+05	1.00004E+00
32	.00000E+00	.00000E+00	3.85149E+05	1.05265E+05	4.26286E+05	1.31956E+02	-4.12708E+04	1.00000E+00
33	.00000E+00	.00000E+00	9.04926E+05	4.20510E+05	2.43183E+05	1.72273E+02	6.61591E+05	9.99989E-01
34	.00000E+00	.00000E+00	2.43183E+05	6.59572E+05	1.51891E+05	2.55191E+02	9.10353E+04	1.00000E+00

35	.00000E+00	.00000E+00	1.51893E+05	5.76526E+05	1.24120E+05	2.99732E+02	2.74831E+04	9.99967E-01
36	.00000E+00	.00000E+00	1.24125E+05	2.91504E+05	7.31997E+04	2.23163E+02	5.06843E+04	1.00007E+00
37	.00000E+00	.00000E+00	7.32021E+04	2.83966E+05	3.48754E+04	3.15759E+02	3.79762E+04	1.00024E+00
38	.00000E+00	.00000E+00	3.48740E+04	9.46515E+04	2.10329E+04	1.85773E+02	1.36540E+04	1.00002E+00
39	.00000E+00	.00000E+00	2.10332E+04	8.68220E+04	1.92441E+04	2.47463E+02	1.53355E+03	1.00019E+00
40	.00000E+00	.00000E+00	1.92433E+04	9.06224E+04	1.42333E+04	3.80449E+02	4.62650E+03	1.00008E+00
41	.00000E+00	.00000E+00	1.42332E+04	7.25111E+04	8.79077E+03	5.20266E+02	4.92276E+03	9.99981E-01
42	.00000E+00	.00000E+00	8.79108E+03	2.69286E+04	5.93233E+03	3.43314E+02	2.51653E+03	9.99938E-01
43	.00000E+00	.00000E+00	5.93306E+03	2.07799E+04	3.19359E+03	3.89833E+02	2.34969E+03	9.99996E-01
44	.00000E+00	.00000E+00	3.19277E+03	8.32054E+03	1.67255E+03	2.49977E+02	1.27076E+03	9.99919E-01
45	.00000E+00	.00000E+00	1.67207E+03	3.54173E+03	7.08827E+02	1.54502E+02	8.09094E+02	9.99895E-01
46	.00000E+00	.00000E+00	7.09033E+02	1.95328E+03	1.04820E+02	1.26988E+02	4.77296E+02	9.99950E-01
47	.00000E+00	.00000E+00	1.04864E+02	2.13172E+02	2.13318E-02	2.96319E+01	7.52290E+01	9.99912E-01
48	.00000E+00	.00000E+00	5.12293E+01	7.40047E-02	2.52749E+00	.00000E+00	4.87018E+01	1.00000E+00
49	.00000E+00	.00000E+00	1.23896E+01	2.47852E+01	5.84930E+02	.00000E+00	-5.72496E+02	9.98222E-01
50	.00000E+00	.00000E+00	5.98476E+01	1.04749E+02	2.88579E+03	.00000E+00	-2.82598E+03	1.00034E+00
51	.00000E+00	.00000E+00	3.09002E+02	3.29882E+01	1.20930E+03	.00000E+00	-9.00313E+02	1.00003E+00
52	.00000E+00	.00000E+00	6.15358E+02	5.96699E+01	1.20947E+03	.00000E+00	-5.94102E+02	9.99991E-01
53	.00000E+00	.00000E+00	5.94355E+02	1.41230E+02	2.06562E+03	.00000E+00	-1.47123E+03	9.99976E-01
54	.00000E+00	.00000E+00	9.03270E+02	4.86760E+02	4.80904E+03	.00000E+00	-3.90576E+03	9.99995E-01
55	.00000E+00	.00000E+00	3.15125E+03	1.23588E+04	9.07551E+04	.00000E+00	-8.76059E+04	1.00032E+00
56	.00000E+00	.00000E+00	1.87538E+04	1.44412E+06	1.05888E+07	.00000E+00	-1.05699E+07	9.97734E-01
57	.00000E+00	.00000E+00	3.08812E+06	1.75952E+07	8.30824E+07	.00000E+00	-7.99940E+07	9.99947E-01
58	.00000E+00	.00000E+00	1.83005E+07	9.68544E+06	6.83281E+07	.00000E+00	-5.00273E+07	9.99991E-01
59	.00000E+00	.00000E+00	1.93061E+07	6.59674E+06	6.99110E+07	.00000E+00	-5.06058E+07	1.00002E+00
60	.00000E+00	.00000E+00	3.20228E+07	1.17217E+07	9.92048E+07	.00000E+00	-6.71838E+07	1.00003E+00
61	.00000E+00	.00000E+00	1.06650E+08	9.02872E+07	2.43498E+08	.00000E+00	-1.36867E+08	1.00009E+00
62	.00000E+00	.00000E+00	3.31768E+08	2.34588E+08	2.54728E+08	.00000E+00	7.70281E+07	1.00002E+00
63	.00000E+00	.00000E+00	3.17898E+08	1.60717E+08	7.11179E+07	.00000E+00	2.46775E+08	1.00001E+00
64	.00000E+00	.00000E+00	6.96910E+07	2.67753E+07	5.68549E+06	.00000E+00	6.40054E+07	1.00000E+00
65	.00000E+00	.00000E+00	4.75119E+06	1.52696E+06	1.82663E+05	.00000E+00	4.56853E+06	1.00000E+00
66	.00000E+00	.00000E+00	4.93136E+03	1.44132E+03	1.48537E+03	.00000E+00	3.44599E+03	1.00000E+00
67	.00000E+00	.00000E+00	6.23344E+01	1.34007E+01	5.45597E+01	.00000E+00	7.77461E+00	1.00000E+00
68	.00000E+00	.00000E+00	9.08148E+08	5.68100E+08	9.11075E+08	4.96796E+04	-3.01450E+06	1.00002E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	2.94804E-02	2.52551E-02	2.52551E-02	1.72976E+02	1.83326E+02	.00000E+00	2.08874E+05	2.08874E+05
3	2.51770E-01	2.14467E-01	2.14467E-01	1.46893E+03	1.55091E+03	.00000E+00	1.78188E+06	1.78188E+06
4	4.14950E-01	3.50034E-01	3.50034E-01	2.39745E+03	2.50144E+03	.00000E+00	2.92384E+06	2.92384E+06
5	1.13737E+00	9.59210E-01	9.59210E-01	6.56980E+03	6.90677E+03	.00000E+00	8.05058E+06	8.05058E+06
6	6.27747E+00	5.27487E+00	5.27487E+00	3.61285E+04	3.78518E+04	.00000E+00	4.43433E+07	4.43433E+07
7	1.36221E+01	1.12836E+01	1.12836E+01	7.72837E+04	8.02670E+04	.00000E+00	9.60289E+07	9.60289E+07
8	2.11638E+01	1.71484E+01	1.71484E+01	1.17452E+05	1.21145E+05	.00000E+00	1.50306E+08	1.50306E+08
9	1.46384E+01	1.17504E+01	1.17504E+01	8.04804E+04	8.33120E+04	.00000E+00	1.04922E+08	1.04922E+08
10	1.53192E+01	1.24321E+01	1.24321E+01	8.51496E+04	8.88174E+04	.00000E+00	1.09305E+08	1.09305E+08
11	1.88984E+01	1.51379E+01	1.51379E+01	1.03682E+05	1.07357E+05	.00000E+00	1.34406E+08	1.34406E+08
12	9.44279E+00	7.54053E+00	7.54053E+00	5.16464E+04	5.31142E+04	.00000E+00	6.70657E+07	6.70657E+07
13	2.88741E+00	2.33950E+00	2.33950E+00	1.60236E+04	1.66650E+04	.00000E+00	2.05300E+07	2.05300E+07
14	1.40484E+01	1.12190E+01	1.12190E+01	7.68411E+04	7.95056E+04	.00000E+00	1.00102E+08	1.00102E+08
15	3.93196E+01	3.08162E+01	3.08162E+01	2.11066E+05	2.14650E+05	.00000E+00	2.79145E+08	2.79145E+08
16	5.27110E+01	4.14817E+01	4.14817E+01	2.84115E+05	2.98498E+05	.00000E+00	3.80409E+08	3.80409E+08
17	8.73514E+01	6.79386E+01	6.79386E+01	4.65323E+05	4.81714E+05	.00000E+00	6.29315E+08	6.29315E+08
18	2.27842E+02	1.75594E+02	1.75594E+02	1.20268E+06	1.24616E+06	.00000E+00	1.64569E+09	1.64569E+09
19	1.77238E+02	1.35734E+02	1.35734E+02	9.29665E+05	9.33350E+05	.00000E+00	1.27493E+09	1.27493E+09
20	8.28824E+01	6.23733E+01	6.23733E+01	4.27205E+05	4.21877E+05	.00000E+00	5.93942E+08	5.93942E+08
21	4.71193E+02	3.60530E+02	3.60530E+02	2.46933E+06	2.63347E+06	.00000E+00	3.43527E+09	3.43527E+09
22	4.38414E+02	3.30204E+02	3.30204E+02	2.26163E+06	2.26209E+06	.00000E+00	3.14555E+09	3.14555E+09
23	4.96044E+02	3.68904E+02	3.68904E+02	2.52669E+06	2.56902E+06	.00000E+00	3.65009E+09	3.65009E+09
24	6.26827E+02	4.72592E+02	4.72592E+02	3.23687E+06	3.43292E+06	.00000E+00	4.67227E+09	4.67227E+09
25	6.44271E+02	4.69461E+02	4.69461E+02	3.21542E+06	2.96153E+06	.00000E+00	4.69499E+09	4.69499E+09

26	8.85156E+02	6.60118E+02	6.60118E+02	4.52126E+06	4.68211E+06	.00000E+00	6.63130E+09	6.63130E+09
27	6.20156E+02	4.53735E+02	4.53735E+02	3.10771E+06	3.03703E+06	.00000E+00	4.66670E+09	4.66670E+09
28	3.57788E+02	2.60110E+02	2.60110E+02	1.78154E+06	1.69059E+06	.00000E+00	2.70849E+09	2.70849E+09
29	7.92767E+01	5.42461E+01	5.42461E+01	3.71541E+05	2.65061E+05	.00000E+00	5.93499E+08	5.93499E+08
30	2.46850E+01	1.61275E+01	1.61275E+01	1.10460E+05	5.62827E+04	.00000E+00	1.78269E+08	1.78269E+08
31	3.57716E+02	2.78258E+02	2.78258E+02	1.90584E+06	2.72752E+06	.00000E+00	3.10472E+09	3.10472E+09
32	2.19753E+02	1.61720E+02	1.61720E+02	1.10765E+06	1.14892E+06	.00000E+00	1.63560E+09	1.63560E+09
33	2.59519E+02	1.67287E+02	1.67287E+02	1.14578E+06	4.84185E+05	.00000E+00	1.94639E+09	1.94639E+09
34	2.75857E+02	1.97397E+02	1.97397E+02	1.35201E+06	1.26097E+06	.00000E+00	2.15785E+09	2.15785E+09
35	2.12654E+02	1.52797E+02	1.52797E+02	1.04653E+06	1.01905E+06	.00000E+00	1.70751E+09	1.70751E+09
36	1.04993E+02	7.41977E+01	7.41977E+01	5.08193E+05	4.57509E+05	.00000E+00	8.44073E+08	8.44073E+08
37	8.88984E+01	6.29000E+01	6.29000E+01	4.30813E+05	3.92837E+05	.00000E+00	7.17232E+08	7.17232E+08
38	3.17988E+01	2.24817E+01	2.24817E+01	1.53981E+05	1.40327E+05	.00000E+00	2.57150E+08	2.57150E+08
39	2.87196E+01	2.06134E+01	2.06134E+01	1.41185E+05	1.39651E+05	.00000E+00	2.34696E+08	2.34696E+08
40	2.83547E+01	2.02600E+01	2.02600E+01	1.38764E+05	1.34138E+05	.00000E+00	2.31509E+08	2.31509E+08
41	2.19850E+01	1.56663E+01	1.56663E+01	1.07301E+05	1.02378E+05	.00000E+00	1.79328E+08	1.79328E+08
42	8.88739E+00	6.31678E+00	6.31678E+00	4.32647E+04	4.07482E+04	.00000E+00	7.24474E+07	7.24474E+07
43	6.49022E+00	4.59700E+00	4.59700E+00	3.14856E+04	2.91360E+04	.00000E+00	5.28360E+07	5.28360E+07
44	2.71055E+00	1.91029E+00	1.91029E+00	1.30839E+04	1.18131E+04	.00000E+00	2.20140E+07	2.20140E+07
45	1.15576E+00	8.06831E-01	8.06831E-01	5.52613E+03	4.71703E+03	.00000E+00	9.35562E+06	9.35562E+06
46	5.58585E-01	3.87115E-01	3.87115E-01	2.65142E+03	2.17412E+03	.00000E+00	4.51611E+06	4.51611E+06
47	5.63100E-02	3.81891E-02	3.81891E-02	2.61564E+02	1.86335E+02	.00000E+00	4.56542E+05	4.56542E+05
48	1.80432E-02	1.15452E-02	1.15452E-02	7.90750E+01	3.03732E+01	.00000E+00	1.07490E+05	1.07490E+05
49	3.33825E+00	2.67326E+00	2.67326E+00	1.83096E+04	1.88821E+04	.00000E+00	2.34467E+07	2.34467E+07
50	1.53081E+01	1.18235E+01	1.18235E+01	8.09812E+04	8.38072E+04	.00000E+00	1.07966E+08	1.07966E+08
51	5.88749E+00	4.55710E+00	4.55710E+00	3.12124E+04	3.21127E+04	.00000E+00	4.14118E+07	4.14118E+07
52	5.62326E+00	4.36165E+00	4.36165E+00	2.98737E+04	3.04678E+04	.00000E+00	3.94146E+07	3.94146E+07
53	8.85004E+00	6.93181E+00	6.93181E+00	4.74771E+04	4.89484E+04	.00000E+00	6.22779E+07	6.22779E+07
54	1.86561E+01	1.52491E+01	1.52491E+01	1.04444E+05	1.08349E+05	.00000E+00	1.31334E+08	1.31334E+08
55	2.95349E+02	2.65605E+02	2.65605E+02	1.81918E+06	1.90678E+06	.00000E+00	2.07742E+09	2.07742E+09
56	2.89655E+04	2.64297E+04	2.64297E+04	1.81022E+08	1.91592E+08	.00000E+00	2.04527E+11	2.04527E+11
57	2.01135E+05	1.82309E+05	1.82309E+05	1.24867E+09	1.32866E+09	.00000E+00	1.42458E+12	1.42458E+12
58	1.33613E+05	1.18164E+05	1.18164E+05	8.09325E+08	8.59352E+08	.00000E+00	9.45957E+11	9.45957E+11
59	1.19941E+05	1.06028E+05	1.06028E+05	7.26202E+08	7.76808E+08	.00000E+00	8.51864E+11	8.51864E+11
60	1.63395E+05	1.42450E+05	1.42450E+05	9.75666E+08	1.04285E+09	.00000E+00	1.16039E+12	1.16039E+12
61	4.36192E+05	3.59437E+05	3.59437E+05	2.46185E+09	2.59872E+09	.00000E+00	3.08344E+12	3.08344E+12
62	5.15919E+05	3.81427E+05	3.81427E+05	2.61246E+09	2.53543E+09	.00000E+00	3.62797E+12	3.62797E+12
63	1.88794E+05	1.29685E+05	1.29685E+05	8.88237E+08	6.41462E+08	.00000E+00	1.36054E+12	1.36054E+12
64	2.31256E+04	1.42703E+04	1.42703E+04	9.77396E+07	3.37341E+07	.00000E+00	1.61287E+11	1.61287E+11
65	1.06957E+03	6.05412E+02	6.05412E+02	4.14657E+06	-4.21960E+05	.00000E+00	7.04278E+09	7.04278E+09
66	7.98260E-01	4.60116E-01	4.60116E-01	3.15141E+03	-2.94573E+02	.00000E+00	5.58948E+06	5.58948E+06
67	3.85852E-03	2.31186E-03	2.31186E-03	1.58343E+01	8.05974E+00	.00000E+00	4.05349E+04	4.05349E+04
68	1.81958E+06	1.46636E+06	1.46636E+06	1.00434E+10	1.00464E+10	.00000E+00	1.28833E+13	1.28833E+13
1 SUMMARY FOR SYSTEM			INCLUDING SUM OVER ALL GROUPS IN LINE 68				SYSTEM VOLUME=	3.73307E+06

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	9.90728E+03	.00000E+00	.00000E+00	8.71224E+03	7.53601E+03	2.19829E+03	1.72976E+02	1.00000E+00
3	8.58963E+04	.00000E+00	1.38190E+03	7.86461E+04	6.67094E+04	1.90999E+04	1.46893E+03	1.00000E+00
4	1.32601E+05	.00000E+00	1.15422E+04	1.30432E+05	1.11200E+05	3.05457E+04	2.39745E+03	1.00000E+00
5	4.20939E+05	.00000E+00	2.42017E+04	4.30449E+05	3.57156E+05	8.14155E+04	6.56980E+03	1.00000E+00
6	2.54696E+06	.00000E+00	9.27123E+04	2.93422E+06	2.14890E+06	4.54638E+05	3.61285E+04	1.00000E+00
7	5.26596E+06	.00000E+00	5.96771E+05	7.30472E+06	5.15463E+06	6.30821E+05	7.72837E+04	1.00000E+00
8	6.16495E+06	.00000E+00	1.98387E+06	1.22939E+07	7.15800E+06	8.73371E+05	1.17452E+05	1.00000E+00
9	3.19433E+06	.00000E+00	2.57912E+06	7.88138E+06	5.28151E+06	4.11459E+05	8.04804E+04	1.00000E+00
10	4.37593E+06	.00000E+00	1.94938E+06	6.88975E+06	5.78558E+06	4.54577E+05	8.51496E+04	1.00000E+00
11	4.07678E+06	.00000E+00	3.13202E+06	8.14665E+06	6.58791E+06	5.17214E+05	1.03682E+05	1.00000E+00
12	1.58325E+06	.00000E+00	2.07785E+06	2.89115E+06	3.37718E+06	2.32276E+05	5.16464E+04	1.00000E+00
13	3.08153E+05	.00000E+00	6.48208E+05	3.81110E+05	8.87553E+05	5.27838E+04	1.60236E+04	1.00000E+00
14	1.79866E+06	.00000E+00	2.45204E+06	3.68654E+06	3.89171E+06	2.82146E+05	7.68411E+04	1.00000E+00

15	4.88656E+06	.00000E+00	4.52008E+06	1.27128E+07	8.52008E+06	6.75506E+05	2.11066E+05	1.00000E+00
16	5.59008E+06	.00000E+00	5.75359E+06	1.48361E+07	1.03404E+07	7.19164E+05	2.84115E+05	1.00000E+00
17	7.04964E+06	.00000E+00	9.54591E+06	2.73793E+07	1.52797E+07	8.50559E+05	4.65323E+05	1.00000E+00
18	9.74178E+06	.00000E+00	1.52744E+07	6.79693E+07	2.31174E+07	6.96140E+05	1.20268E+06	1.00000E+00
19	5.24994E+06	.00000E+00	1.80885E+07	4.52925E+07	2.19049E+07	5.03937E+05	9.29665E+05	1.00000E+00
20	2.36923E+06	.00000E+00	1.90476E+07	3.45391E+07	2.05946E+07	3.94944E+05	4.27205E+05	1.00000E+00
21	4.08384E+06	.00000E+00	2.88604E+07	1.02748E+08	2.95945E+07	8.80407E+05	2.46933E+06	1.00000E+00
22	3.34347E+06	.00000E+00	3.34757E+07	1.20969E+08	3.36911E+07	8.66388E+05	2.26163E+06	1.00000E+00
23	3.27700E+06	.00000E+00	4.00365E+07	2.09925E+08	3.99242E+07	8.62633E+05	2.52669E+06	1.00000E+00
24	7.08736E+05	.00000E+00	4.24410E+07	1.36269E+08	3.90519E+07	8.60982E+05	3.23687E+06	1.00000E+00
25	1.12861E+06	.00000E+00	4.52610E+07	3.49102E+08	4.10883E+07	2.08586E+06	3.21542E+06	1.00000E+00
26	7.13179E+05	.00000E+00	4.37872E+07	3.92224E+08	3.77255E+07	2.25359E+06	4.52126E+06	1.00000E+00
27	1.09744E+05	.00000E+00	3.88338E+07	3.84176E+08	3.33096E+07	2.52614E+06	3.10771E+06	1.00000E+00
28	.00000E+00	.00000E+00	3.26275E+07	2.72332E+08	2.82088E+07	2.63721E+06	1.78154E+06	1.00000E+00
29	.00000E+00	.00000E+00	2.84102E+07	1.12296E+08	2.63923E+07	1.64636E+06	3.71541E+05	1.00000E+00
30	.00000E+00	.00000E+00	2.63545E+07	1.43835E+08	2.49410E+07	1.30300E+06	1.10460E+05	1.00000E+00
31	.00000E+00	.00000E+00	2.00540E+07	2.67368E+07	1.75917E+07	5.56437E+05	1.90584E+06	1.00000E+00
32	.00000E+00	.00000E+00	1.84060E+07	3.22167E+07	1.65561E+07	7.42255E+05	1.10765E+06	1.00000E+00
33	.00000E+00	.00000E+00	2.19498E+07	1.17216E+08	1.87435E+07	2.06048E+06	1.14578E+06	1.00000E+00
34	.00000E+00	.00000E+00	1.91473E+07	2.08276E+08	1.42527E+07	3.54249E+06	1.35201E+06	1.00000E+00
35	.00000E+00	.00000E+00	1.43573E+07	1.88662E+08	9.95765E+06	3.35307E+06	1.04653E+06	1.00000E+00
36	.00000E+00	.00000E+00	9.98880E+06	1.37145E+08	7.07552E+06	2.40508E+06	5.08193E+05	1.00000E+00
37	.00000E+00	.00000E+00	7.08434E+06	1.02551E+08	3.27520E+06	3.37832E+06	4.30813E+05	1.00000E+00
38	.00000E+00	.00000E+00	3.27526E+06	5.57140E+07	2.10057E+06	1.02070E+06	1.53981E+05	1.00000E+00
39	.00000E+00	.00000E+00	2.09870E+06	2.79845E+07	1.49644E+06	4.61072E+05	1.41185E+05	1.00000E+00
40	.00000E+00	.00000E+00	1.49571E+06	2.34580E+07	8.90614E+05	4.66327E+05	1.38764E+05	1.00000E+00
41	.00000E+00	.00000E+00	8.89865E+05	1.71982E+07	5.10800E+05	2.71764E+05	1.07301E+05	9.99999E-01
42	.00000E+00	.00000E+00	5.11058E+05	6.58805E+06	3.34675E+05	1.33118E+05	4.32647E+04	1.00000E+00
43	.00000E+00	.00000E+00	3.34632E+05	4.89511E+06	1.82709E+05	1.20437E+05	3.14856E+04	1.00000E+00
44	.00000E+00	.00000E+00	1.82568E+05	1.93705E+06	8.91906E+04	8.02937E+04	1.30839E+04	1.00000E+00
45	.00000E+00	.00000E+00	8.92771E+04	7.85564E+05	4.23806E+04	4.13706E+04	5.52613E+03	9.99999E-01
46	.00000E+00	.00000E+00	4.23785E+04	3.80959E+05	6.98392E+03	3.27432E+04	2.65142E+03	1.00000E+00
47	.00000E+00	.00000E+00	6.97659E+03	3.65697E+04	1.78033E+00	6.71324E+03	2.61564E+02	1.00000E+00
48	.00000E+00	.00000E+00	2.76453E+03	4.46167E+01	2.68546E+03	.00000E+00	7.90750E+01	1.00000E+00
49	2.88451E+04	.00000E+00	9.93341E+05	2.61105E+04	1.00388E+06	.00000E+00	1.83096E+04	1.00000E+00
50	9.05669E+04	.00000E+00	1.92225E+06	4.66553E+04	1.93184E+06	.00000E+00	8.09812E+04	1.00000E+00
51	2.76137E+05	.00000E+00	9.11931E+05	2.07707E+04	1.15686E+06	.00000E+00	3.12124E+04	1.00000E+00
52	4.61721E+05	.00000E+00	1.07592E+06	4.91762E+04	1.50776E+06	.00000E+00	2.98737E+04	1.00000E+00
53	1.72564E+06	.00000E+00	3.64602E+06	2.41167E+05	5.32418E+06	.00000E+00	4.74771E+04	1.00000E+00
54	4.04251E+07	.00000E+00	8.50437E+06	3.46423E+06	4.88250E+07	.00000E+00	1.04444E+05	1.00000E+00
55	3.79176E+09	.00000E+00	3.22630E+07	4.19526E+08	3.82220E+09	.00000E+00	1.81918E+06	1.00000E+00
56	9.01966E+11	.00000E+00	5.61054E+08	1.10366E+11	9.02346E+11	.00000E+00	1.81022E+08	1.00000E+00
57	1.23340E+13	.00000E+00	2.06452E+11	2.32187E+12	1.25392E+13	.00000E+00	1.24867E+09	1.00000E+00
58	8.06074E+12	.00000E+00	2.00954E+12	1.34227E+12	1.00695E+13	.00000E+00	8.09325E+08	1.00000E+00
59	6.01580E+13	.00000E+00	2.01269E+12	6.38041E+12	6.21700E+13	.00000E+00	7.26202E+08	1.00000E+00
60	6.01580E+13	.00000E+00	9.12999E+12	8.05768E+12	6.92870E+13	.00000E+00	9.75666E+08	1.00000E+00
61	1.15561E+13	.00000E+00	3.41918E+13	9.65000E+12	4.57454E+13	.00000E+00	2.46185E+09	1.00000E+00
62	4.20182E+12	.00000E+00	5.63452E+13	1.31046E+13	6.05444E+13	.00000E+00	2.61246E+09	1.00000E+00
63	1.15256E+13	.00000E+00	1.80059E+13	6.17163E+12	2.95306E+13	.00000E+00	8.88237E+08	1.00000E+00
64	1.14133E+13	.00000E+00	1.77996E+12	2.07007E+12	1.31932E+13	.00000E+00	9.77396E+07	1.00000E+00
65	2.79771E+13	.00000E+00	1.42630E+11	2.36147E+12	2.81197E+13	.00000E+00	4.14657E+06	1.00000E+00
66	1.25615E+13	.00000E+00	1.23767E+09	3.96306E+11	1.25628E+13	.00000E+00	3.15141E+03	1.00000E+00
67	1.25615E+13	.00000E+00	1.29677E+09	3.54900E+11	1.25628E+13	.00000E+00	1.58343E+01	1.00000E+00
68	2.33414E+14	.00000E+00	1.23828E+14	5.23255E+13	3.57231E+14	4.24781E+07	1.00434E+10	1.00000E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	2.94804E-02	2.52551E-02	2.52551E-02	1.72976E+02	.00000E+00	5.50316E+03	5.51475E+05	5.51475E+05
3	2.51770E-01	2.14467E-01	2.14467E-01	1.46893E+03	.00000E+00	4.26519E+04	4.79455E+06	4.79455E+06
4	4.14950E-01	3.50034E-01	3.50034E-01	2.39745E+03	.00000E+00	6.63730E+04	7.86886E+06	7.86886E+06
5	1.13737E+00	9.59210E-01	9.59210E-01	6.56980E+03	.00000E+00	1.95856E+05	2.34435E+07	2.34435E+07

6	6.27747E+00	5.27487E+00	5.27487E+00	3.61285E+04	.00000E+00	9.82816E+05	1.41489E+08	1.41489E+08
7	1.36221E+01	1.12836E+01	1.12836E+01	7.72837E+04	.00000E+00	1.41309E+06	3.10343E+08	3.10343E+08
8	2.11638E+01	1.71484E+01	1.71484E+01	1.17452E+05	.00000E+00	1.81150E+06	4.51061E+08	4.51061E+08
9	1.46384E+01	1.17504E+01	1.17504E+01	8.04804E+04	.00000E+00	1.01561E+06	2.91652E+08	2.91652E+08
10	1.53192E+01	1.24321E+01	1.24321E+01	8.51496E+04	.00000E+00	1.11884E+06	3.20096E+08	3.20096E+08
11	1.88984E+01	1.51379E+01	1.51379E+01	1.03682E+05	.00000E+00	1.26805E+06	3.73075E+08	3.73075E+08
12	9.44279E+00	7.54053E+00	7.54053E+00	5.16464E+04	.00000E+00	5.67145E+05	1.74003E+08	1.74003E+08
13	2.88741E+00	2.33950E+00	2.33950E+00	1.60236E+04	.00000E+00	1.28320E+05	4.48859E+07	4.48859E+07
14	1.40484E+01	1.12190E+01	1.12190E+01	7.68411E+04	.00000E+00	6.84096E+05	2.29805E+08	2.29805E+08
15	3.93196E+01	3.08162E+01	3.08162E+01	2.11066E+05	.00000E+00	1.61823E+06	5.95408E+08	5.95408E+08
16	5.27110E+01	4.14817E+01	4.14817E+01	2.84115E+05	.00000E+00	1.66659E+06	7.45722E+08	7.45722E+08
17	8.73514E+01	6.79386E+01	6.79386E+01	4.65323E+05	.00000E+00	1.80908E+06	1.20838E+09	1.20838E+09
18	2.27842E+02	1.75594E+02	1.75594E+02	1.20268E+06	.00000E+00	8.60509E+05	2.65435E+09	2.65435E+09
19	1.77238E+02	1.35734E+02	1.35734E+02	9.29665E+05	.00000E+00	4.29691E+05	2.03014E+09	2.03014E+09
20	8.28824E+01	6.23733E+01	6.23733E+01	4.27205E+05	.00000E+00	2.88532E+05	1.20661E+09	1.20661E+09
21	4.71193E+02	3.60530E+02	3.60530E+02	2.46933E+06	.00000E+00	5.41134E+05	4.86364E+09	4.86364E+09
22	4.38414E+02	3.30204E+02	3.30204E+02	2.26163E+06	.00000E+00	5.30906E+05	4.70504E+09	4.70504E+09
23	4.96044E+02	3.68904E+02	3.68904E+02	2.52669E+06	.00000E+00	4.57182E+05	5.25019E+09	5.25019E+09
24	6.26827E+02	4.72592E+02	4.72592E+02	3.23687E+06	.00000E+00	4.06420E+05	6.17462E+09	6.17462E+09
25	6.44271E+02	4.69461E+02	4.69461E+02	3.21542E+06	.00000E+00	1.00045E+06	8.11458E+09	8.11458E+09
26	8.85156E+02	6.60118E+02	6.60118E+02	4.52126E+06	.00000E+00	8.78050E+05	9.81786E+09	9.81786E+09
27	6.20156E+02	4.53735E+02	4.53735E+02	3.10771E+06	.00000E+00	7.85493E+05	7.37033E+09	7.37033E+09
28	3.57788E+02	2.60110E+02	2.60110E+02	1.78154E+06	.00000E+00	6.16102E+05	4.74291E+09	4.74291E+09
29	7.92767E+01	5.42461E+01	5.42461E+01	3.71541E+05	.00000E+00	3.23573E+05	1.54816E+09	1.54816E+09
30	2.46850E+01	1.61275E+01	1.61275E+01	1.10460E+05	.00000E+00	2.43773E+05	8.57826E+08	8.57826E+08
31	3.57716E+02	2.78258E+02	2.78258E+02	1.90584E+06	.00000E+00	9.71492E+04	3.47921E+09	3.47921E+09
32	2.19753E+02	1.61720E+02	1.61720E+02	1.10765E+06	.00000E+00	1.21198E+05	2.01686E+09	2.01686E+09
33	2.59519E+02	1.67287E+02	1.67287E+02	1.14578E+06	.00000E+00	3.63182E+05	2.86544E+09	2.86544E+09
34	2.75857E+02	1.97397E+02	1.97397E+02	1.35201E+06	.00000E+00	5.64497E+05	3.58693E+09	3.58693E+09
35	2.12654E+02	1.52797E+02	1.52797E+02	1.04653E+06	.00000E+00	4.89787E+05	2.71306E+09	2.71306E+09
36	1.04993E+02	7.41977E+01	7.41977E+01	5.08193E+05	.00000E+00	3.10919E+05	1.29928E+09	1.29928E+09
37	8.88984E+01	6.29000E+01	6.29000E+01	4.30813E+05	.00000E+00	3.40752E+05	1.01729E+09	1.01729E+09
38	3.17988E+01	2.24817E+01	2.24817E+01	1.53981E+05	.00000E+00	1.05372E+05	3.35995E+08	3.35995E+08
39	2.87196E+01	2.06134E+01	2.06134E+01	1.41185E+05	.00000E+00	1.69592E+04	2.69644E+08	2.69644E+08
40	2.83547E+01	2.02600E+01	2.02600E+01	1.38764E+05	.00000E+00	3.48562E+04	2.60342E+08	2.60342E+08
41	2.19850E+01	1.56663E+01	1.56663E+01	1.07301E+05	.00000E+00	6.32592E+03	1.98088E+08	1.98088E+08
42	8.88739E+00	6.31678E+00	6.31678E+00	4.32647E+04	.00000E+00	1.07231E+03	7.96986E+07	7.96986E+07
43	6.49022E+00	4.59700E+00	4.59700E+00	3.14856E+04	.00000E+00	6.78945E+03	5.91817E+07	5.91817E+07
44	2.71055E+00	1.91029E+00	1.91029E+00	1.30839E+04	.00000E+00	2.93668E+02	2.41574E+07	2.41574E+07
45	1.15576E+00	8.06831E-01	8.06831E-01	5.52613E+03	.00000E+00	2.59240E+03	1.03039E+07	1.03039E+07
46	5.58585E-01	3.87115E-01	3.87115E-01	2.65142E+03	.00000E+00	3.96261E+03	4.93253E+06	4.93253E+06
47	5.63100E-02	3.81891E-02	3.81891E-02	2.61564E+02	.00000E+00	3.02645E+02	4.96059E+05	4.96059E+05
48	1.80432E-02	1.15452E-02	1.15452E-02	7.90750E+01	.00000E+00	.00000E+00	1.24018E+05	1.24018E+05
49	3.33825E+00	2.67326E+00	2.67326E+00	1.83096E+04	.00000E+00	.00000E+00	2.97163E+07	2.97163E+07
50	1.53081E+01	1.18235E+01	1.18235E+01	8.09812E+04	.00000E+00	.00000E+00	1.19319E+08	1.19319E+08
51	5.88749E+00	4.55710E+00	4.55710E+00	3.12124E+04	.00000E+00	.00000E+00	5.04648E+07	5.04648E+07
52	5.62326E+00	4.36165E+00	4.36165E+00	2.98737E+04	.00000E+00	.00000E+00	5.26385E+07	5.26385E+07
53	8.85004E+00	6.93181E+00	6.93181E+00	4.74771E+04	.00000E+00	.00000E+00	1.18787E+08	1.18787E+08
54	1.86561E+01	1.52491E+01	1.52491E+01	1.04444E+05	.00000E+00	.00000E+00	7.07530E+08	7.07530E+08
55	2.95349E+02	2.65605E+02	2.65605E+02	1.81918E+06	.00000E+00	.00000E+00	4.63812E+10	4.63812E+10
56	2.89655E+04	2.64297E+04	2.64297E+04	1.81022E+08	.00000E+00	.00000E+00	9.67904E+12	9.67904E+12
57	2.01135E+05	1.82309E+05	1.82309E+05	1.24867E+09	.00000E+00	.00000E+00	1.13597E+14	1.13597E+14
58	1.33613E+05	1.18164E+05	1.18164E+05	8.09325E+08	.00000E+00	.00000E+00	6.65795E+13	6.65795E+13
59	1.19941E+05	1.06028E+05	1.06028E+05	7.26202E+08	.00000E+00	.00000E+00	3.32392E+14	3.32392E+14
60	1.63395E+05	1.42450E+05	1.42450E+05	9.75666E+08	.00000E+00	.00000E+00	3.17145E+14	3.17145E+14
61	4.36192E+05	3.59437E+05	3.59437E+05	2.46185E+09	.00000E+00	.00000E+00	1.52985E+14	1.52985E+14
62	5.15919E+05	3.81427E+05	3.81427E+05	2.61246E+09	.00000E+00	.00000E+00	7.52630E+13	7.52630E+13
63	1.88794E+05	1.29685E+05	1.29685E+05	8.88237E+08	.00000E+00	.00000E+00	1.39824E+13	1.39824E+13
64	2.31256E+04	1.42703E+04	1.42703E+04	9.77396E+07	.00000E+00	.00000E+00	2.94946E+12	2.94946E+12
65	1.06957E+03	6.05412E+02	6.05412E+02	4.14657E+06	.00000E+00	.00000E+00	1.69746E+12	1.69746E+12

66	7.98260E-01	4.60116E-01	4.60116E-01	3.15141E+03	.00000E+00	.00000E+00	1.24430E+11	1.24430E+11
67	3.85852E-03	2.31186E-03	2.31186E-03	1.58343E+01	.00000E+00	.00000E+00	9.37999E+10	9.37999E+10
68	1.81958E+06	1.46636E+06	1.46636E+06	1.00434E+10	.00000E+00	2.42216E+07	1.08662E+15	1.08662E+15

1 EFFECTIVE ONE-GROUP PARAMETERS

INPUT TRANSVERSE BUCKLING (1/CM**2) = 3.69168E-14
OUTPUT RADIAL BUCKLING BG**2 (1/CM**2) = -6.72451E-10
RADIAL BUCKLING FOR CRITICALITY(1/CM**2) = -2.89010E-10
TOTAL BUCKLING FOR CRITICALITY (1/CM**2) = -2.88973E-10
EXTRAPOLATED RADIUS (2.405/BG) = .00000E+00
EFFECTIVE DIFFUSION COEFFICIENT (CM) = 5.81336E+01
EFFECTIVE MIGRATION AREA (CM**2) = 1.48718E+09
INFINITE MULTIPLICATION FACTOR - - - = 5.70245E-01

0 THIS PROBLEM REQUIRED 50.86 SECONDS

"Version 4.4HP of
ANISNBW has not received the verification analysis required
for certification."

Execution on the following machine produced this output:
HP-9000/Series 730 (BWFC) HP-UX hpw1.ymp.gov E 9000/730 2015518337

ANISNBW V4.4HP CREATED ON 04/23/92 AT 11:31:17 USED ON 10/03/96 AT 15:30:03

1

CARD IMAGE INPUT LISTING

```
CARD                                                  COLUMN NUMBER
NUMBER      1111111111222222222233333333334444444444555555555566666666667777777778
            12345678901234567890123456789012345678901234567890123456789012345678901234567890

  1                 90000
  2         ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
  3         /       1       2       3       4       5       6       7
  4         /234567890123456789012345678901234567890123456789012345678901234567890123456789012
  5         15$$
  6         /  *** 1 ***
  7         /  ID = Problem ID Number, a 1 has no effect
  8                 1
  9         /  ITH = Forward calculation
 10                 0
 11         /  ISCT = Max order of scatter
 12                 3
 13         /  ISN = Order of angular quadrature
 14                 8
 15         /
 16         /  *** 5 ***
 17         /  IGE = Geometry paramter -> cylinder
 18                 2
 19         /  IBL = Left boundary condition -> reflection
 20                 1
 21         /  IBR = Right boundary condition -> albedo via 25* with default=1.0
 22                 0
 23         /  IZM = Number of zones or regions in problem geometry
 24                 12
 25         /   IM = Number of mesh intervals in problem
 26                 324
 27         /
 28         /  *** 10 ***
 29         /  IEVT = Type of calc to be performed -> dist.fixed source
 30                   0
 31         /   IGM = Number of energy groups
 32                   67
 33         /   IHT = Position of Sigma Total
 34                   3
 35         /   IHS = Position of Sigma Scat.
 36                   4
```

```
                                /   IHM = Length of xsect table
                                /
                                /  *** 15 ***
                                /    MS = Cross section mixing table length
                                /
                                /   MCR = Number of xsects to be read from cards
                                /
                                /   MTP = Number of xsects to be read from xsects.bin
                                /

 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                          12345678901234567890123456789012345678901234567890123456789012345678901234567890
                                                      C O L U M N    N U M B E R
1
      CARD IMAGE INPUT LISTING                        C O L U M N    N U M B E R
 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                          12345678901234567890123456789012345678901234567890123456789012345678901234567890

                                /    MT = Total number of materials (MCR+MTP+mixtures in xsect table)
                                /
                                /  IDMF = Density factors input options -> nodensity factors applied
                                /
                                /  *** 20 ***
                                /  IPVT = Parametric eigenvalue input option -> no effect
                                /
                                /   IQM = Fixed distributed source option - via 17* array
                                /
                                /   IPM = Shell source input option -> no effect
                                /
                                /   IPP = Interval number which will contain the shell source f IPM=1
                                /         or -1    -> no effect
                                /
                                /   IIM = Maximum number of inner iterations by group
                                /         150
                                /
                                /  *** 25 ***
                                /   ID1 = Print and punch option -> no effect
                                /
                                /   ID2 = Cross section input option -> used gip file
                                /         1
                                /   ID3 = Activity calc option -> compute N activities by zone
                                /        -3
                                /   ID4 = Actvity calc by interval option - compute activities by int
                                /         1
                                /   ICM = Outer iteration maximum
                                /         1
                                /
                                /  *** 30 ***
                                /  IDAT1 = Storage allocation option -> fluxes and current on tape
                                /         2
                                /  IDAT2 = Diffusion theory solution option
                                /         0
                                /   IFG = Cross section flux weighting option -> no effect
                                /         0
                                /  IFLU = Flux solution option -> WTD diamond diff +
                                /         4
                                /   IFN = Fission or flux guess input option - >flux guess  via 3*
                                /         1
```

```
                                /
                                /  *** 35 ***
                                /  IPRT = Cross section print option ->P0 xsects by zone
                                /           2
                                /  IXTR =  P(L) scatt.coeff. calc option -> calc P(L) consts

 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                          12345678901234567890123456789012345678901234567890123456789012345678901234567890
                                                      C O L U M N    N U M B E R
1
      CARD IMAGE INPUT LISTING                        C O L U M N    N U M B E R
 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                          12345678901234567890123456789012345678901234567890123456789012345678901234567890

                                         0
                                /------------------------------------------------------------
                                /
                                16**
                                /   EV = Eigenvalue guess -> fixed source
                                         0.0
                                /  EVM = Eigenvalue modifier -> fixed source
                                         0.0
                                /  EPS = Convergence criteria for eigenvalue and upscatter convg.
                                         1.0-4
                                /   BF = Transvers leakage parameter -> usual value
                                         1.42089
                                /   DY = Cylinder or plane height for buckling correction
                                         0.0
                                /   DZ = Plane depth for buckling correction
                                         0.0
                                /  DFM1 = Transverse dimension for void streaming correction
                                         0.0
                                /   XNF = Normalization factor -> normalization
                                         0.0
                                /    PV = Parametric eigenvalue for time absorption or seacrh calcs
                                         0.0
                                /   RYF = Lambda relaxation factor - suggested value
                                         0.5
                                /  XLAL = Point wise flux convergence criterion -> use EPS value
                                         2.0-4
                                /  XLAH = Convergence parameter for search calcs
                                         0.0
                                /   EQL = Eigenvalue change epsilon for search calcs
                                         0.0
                                /  XNPM = New paramter modifier for search calcs
                                         0.0
                                 T
                                /-------------------------------------------------------------------
                                /        1         2         3         4         5         6         7
                                /234567890123456789012345678901234567890123456789012345678901234567890123456789012
                                /-------------------------------------------------------------------
                                17**
                                /Neutron Distributed Source (#/s-cc) - Fission and (Alpha, n)
                                 34R0.0000E+00 290R0.0 34R5.7527E-01 290R0.0 34R4.9876E+00 290R0.0
                                 34R7.6995E+00 290R0.0 34R2.4442E+01 290R0.0 34R1.4789E+02 290R0.0
                                 34R3.0577E+02 290R0.0 34R3.5797E+02 290R0.0 34R1.8548E+02 290R0.0
                                 34R2.5409E+02 290R0.0 34R2.3672E+02 290R0.0 34R9.1932E+01 290R0.0
                                 34R1.7893E+01 290R0.0 34R1.0444E+02 290R0.0 34R2.8374E+02 290R0.0
                                 34R3.2459E+02 290R0.0 34R4.0934E+02 290R0.0 34R5.6566E+02 290R0.0
                                 34R3.0484E+02 290R0.0 34R1.3757E+02 290R0.0 34R2.3713E+02 290R0.0
```

```
 CARD                                                
```

```
      CARD IMAGE INPUT LISTING                                  C O L U M N    N U M B E R
 CARD                          1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                1234567890123456789012345678901234567890123456789012345678901234567890123456789

 185                  /  OUTER BARRIER
 186                     8I80.58   89.58   90.08
 187                  /
 188                  /  WP-Shield Gap
 189                     90.58 91.08 11I93.08 118.58 119.58 120.08
 190                  /
 191                  /  SS316 Shield Liner
 192                     141120.58
 193                  /
 194                  /  Inner Lead Shield
 195                     291128.33
 196                  /
 197                  /  Borated Poly. Shield
 198                     1I143.58
 199                  /
 200                  /  Outer Lead Shield
 201                     144.58
 202                  /
 203                  /  SS316 Shield Liner
 204                     145.08
 205                  /
 206                  /  AIR
 207                     145.58   146.58   148.58  7I152.58   9I195.08   19I245.08
 208                     159I345.08   1145.08
 209                  /  Velocities by group
 210                  5**
 211                     F1.0
 212                  /
 213                  /  Angular Quadrature Weights
 214                  6**
 215                     0.0   .0604938   2R.0453704   .0604938 N5
 216                      .0453704   .0462962   .0453704   N3
 217                     0.0   4R.0453704   0.0   2R.0604938
 218                  /
 219                  /  Angular Quadrature Cosines
 220                  7**
 221                     -.9759   -.9511897   -.7867958   -.5773503   -.2182179
 222                     M4       -.8164965   -.7867958   -.5773503   -.2182179
 223                     M3       -.6172134   -.5773503   -.2182179   M2
 224                     -.3086067 -.2182179 .2182179
 225                  /
 226                  /  Zone Numbers by Mesh Intervals
 227                  8$$
 228                  /  FUEL
 229                    34R1
 230                  /

 CARD                          1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                1234567890123456789012345678901234567890123456789012345678901234567890123456789
                                                  C O L U M N    N U M B E R
1
      CARD IMAGE INPUT LISTING                                  C O L U M N    N U M B E R
 CARD                          1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                1234567890123456789012345678901234567890123456789012345678901234567890123456789

 231                  / MPC wall
```

```
                                    4R2
                                /
                                /  gap
                                    3R3
                                /
                                /  INNER BARRIER
                                    4R4
                                /
                                /  OUTER BARRIER
                                    11R5
                                /
                                /  WP-Shield Gap
                                    17R6
                                /
                                /  SS316 Shield Liner
                                    7
                                /
                                /  Inner Lead Shield
                                    15R8
                                /
                                /  Borated Poly. Shield
                                    30R9
                                /
                                /  Outer Lead Shield
                                    2R10
                                /
                                /  SS316 Shield Liner
                                    11
                                /
                                /  AIR
                                    202R12
                                /
                                /  Material Numbers by Zone - negative indicates no buckling
                                /                            correction made
                                9$$
                                /  FUEL
                                    -1
                                /
                                /  MPC WALL
                                    -5
                                /
                                /  GAP
                                    -17
                                /
                                /  INNER BARRIER

 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678
1                                                    C O L U M N   N U M B E R

      CARD IMAGE INPUT LISTING
                                                     C O L U M N   N U M B E R
 CARD                                    1111111111222222222233333333334444444444555555555566666666667777777778
NUMBER                  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678

                                    -9
                                /
                                /  OUTER BARRIER
                                    -13
                                /
                                /  WP-Shield Gap
```

```
            283                          -17
            284                        /
            285                        /  SS316 Shield Liner
            286                           -5
            287                        /
            288                        /  Inner Lead Shield
            289                           -22
            290                        /
            291                        /  Borated Poly. Shield
            292                           -26
            293                        /
            294                        /  Outer Lead Shield
            295                           -22
            296                        /
            297                        /  SS316 Shield Liner
            298                           -5
            299                        /
            300                        /  AIR
            301                           -17
            302                        /
            303                        /  Order of Scatter by Zone
            304                        19$$
            305                           F3
            306                        /
            307                        /  Material Numbers for Activities
            308                        22$$
            309                           3R-21
            310                        /  Cross Section Table Position for Activities
            311                        23$$
            312                           57 8 7
            313                        T
            314                        29H
            315                        ACT 1   GAMMA DOSE RATE  (REM/HR)
            316                        ACT 2   NEUTRON DOSE RATE (REM/HR)
            317                        ACT 3   TOTAL DOSE RATE  (REM/HR)
            318                        T

             CARD                                 1111111111222222222233333333334444444444555555555566666666667777777778
            NUMBER                     12345678901234567890123456789012345678901234567890123456789012345678901234567890
                                                                 C O L U M N   N U M B E R


          ********************************** E N D   O F   I N P U T   L I S T I N G **********************************
 LIM1=   90000
0                                THIS PROBLEM REQUIRED        .00 SECONDS
1ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0                             THE TIME ESTIMATE FOR THIS PROBLEM IS       .00 SECONDS
        1         2         3         4         5         6         7
  345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
   *** 1 ***
   ID = Problem ID Number, a 1 has no effect
   ITH = Forward calculation
   ISCT = Max order of scatter
   ISN = Order of angular quadrature

   *** 5 ***
   IGE = Geometry paramter -> cylinder
   IBL = Left boundary condition -> reflection
```

```
   IBR = Right boundary condition -> albedo via 25* with default=1.0
   IZM = Number of zones or regions in problem geometry
    IM = Number of mesh intervals in problem

   *** 10 ***
   IEVT = Type of calc to be performed -> dist.fixed source
    IGM = Number of energy groups
    IHT = Position of Sigma Total
    IHS = Position of Sigma Scat.
    IHM = Length of xsect table

   *** 15 ***
     MS = Cross section mixing table length
    MCR = Number of xsects to be read from cards
    MTP = Number of xsects to be read from xsects.bin
     MT = Total number of materials (MCR+MTP+mixtures in xsect table)
   IDMF = Density factors input options -> nodensity factors applied

   *** 20 ***
   IPVT = Parametric eigenvalue input option -> no effect
    IQM = Fixed distributed source option - via 17* array
    IPM = Shell source input option -> no effect
    IPP = Interval number which will contain the shell source f IPM=1
          or -1    -> no effect
    IIM = Maximum number of inner iterations by group

   *** 25 ***
    ID1 = Print and punch option -> no effect
    ID2 = Cross section input option -> used gip file
    ID3 = Activity calc option -> compute N activities by zone
    ID4 = Actvity calc by interval option - compute activities by int
    ICM = Outer iteration maximum

   *** 30 ***
   IDAT1 = Storage allocation option -> fluxes and current on tape
   IDAT2 = Diffusion theory solution option
    IFG = Cross section flux weighting option -> no effect
   IFLU = Flux solution option -> WTD diamond diff +
    IFN = Fission or flux guess input option - >flux guess  via 3*

   *** 35 ***
   IPRT = Cross section print option ->P0 xsects by zone
   IXTR =  P(L) scatt.coeff. calc option -> calc P(L) consts
  ------------------------------------------------------------

0   15$ ARRAY     36 ENTRIES READ
    EV = Eigenvalue guess -> fixed source
   EVM = Eigenvalue modifier -> fixed source
   EPS = Convergence criteria for eigenvalue and upscatter convg.
    BF = Transvers leakage parameter -> usual value
    DY = Cylinder or plane height for buckling correction
    DZ = Plane depth for buckling correction
  DFM1 = Transverse dimension for void streaming correction
   XNF = Normalization factor -> normalization
    PV = Parametric eigenvalue for time absorption or seacrh calcs
   RYF = Lambda relaxation factor - suggested value
  XLAL = Point wise flux convergence criterion -> use EPS value
  XLAH = Convergence parameter for search calcs
   EQL = Eigenvalue change epsilon for search calcs
  XNPM = New paramter modifier for search calcs
```

```
0   16* ARRAY      14 ENTRIES READ
0    0T
1ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 ID    PROBLEM ID NO.                      1      ITH   0/1 = REG./ADJ.                          0
  ISCT  ORDER OF SCATTERING                 3      ISN   QUADRATURE  ORDER                        8
  IGE   1/2/3 = PLA/CYL/SPH                 2      IBL   0/1 /2/3 = NO REFL/REFL/PER/WHITE       1
  IBR   RT. B.C. SAME AS LEFT  B.C.,IBL     0      IZM   NO. OF ZONES                            12
  IM    NO. OF INTERVALS                  324      IEVT  0/1/2/3/4/5/6=Q/K/ALPHA/C/Z/R/H         0
  IGM   NO. OF GROUPS                      67      IHT   POS. OF SIGMA T                          3
  IHS   POS. OF SIGMA GG                    4      IHM   TABLE LENGTH                           70
  MS    MIXING TABLE LENGTH                 0      MCR   NO. MATLS. FROM CARDS                    0
  MTP   NO. MATLS. FROM LIB TAPE           29      MT    NO. OF MATLS.                           29
  IDFM  0/1=NONE/DENSITY FACTORS(21*)       0      IPVT  0/1/2=NONE/K/ALPHA                      0
  IQM   0/1=NONE/DIST. SCOURCE              1      IPM   0/1/IM=NONE/S(MM,IPP)/S(MM,IM)          0
  IPP   INTERVAL O F SHELL SOURCE           0      IIM   INNER ITER. MAX.                      150
  ID1   0/1/2/3=NO/PRNT ND/PNCH N/BOTH      0      ID2   0/1/2=NO/X-SEC TAP E/PREV               1
  ID3   0/N=NO/N ACT. BY ZONE              -3      ID4   0/1=NO /N ACT. BY INT.                  1
  ICM   OUTER ITER. MAX.                    1      IDAT1 0/1/2=NO/MIN/MAX TAPE                   2
  IDAT2 0/1=NO/DIFFUSION(24$)               0      IFG   0/1=NO/FEW GRP.                         0
  IFLU  0/1/2=BOTH/LINEAR/ STEP             4      IFN   0/1/2=INPUT 2*/3*/PREV. CASE            1
  IPRT  0/1 = PRINT X-SEC/DO NOT            0      IXTR  0/1=CALC/READ P-L CONSTANTS             0
0 EV    EIGENVALUE GUESS          .00000E+00      EVM   EIGENVALUE MODIFIER          .00000E+00
  EPS   PRECISION DESIRED        1.00000E-04      BF    BUCKLING FACTOR           1.42089E+00
  DY    CYL OR PLA HEIGHT         .00000E+00      DZ    PLANE DEPTH                .00000E+00
  DFM1  HT. FOR VOID CORR.        .00000E+00      XNF   NORM. FACTOR               .00000E+00
  PV    IPVT=1/2 - K/ALPHA        .00000E+00      RYF   LAMBDA2 RELAXATION        5.00000E-01
  XLAL  PT CNVRG EPS. IF .NE.0   2.00000E-04      XLAH  1-LAMBDA MAX.-SEARCH       .00000E+00
  EQL   EV CHANGE EPS.-SEARCH     .00000E+00      XNPM  NEW PARAM. MOD.-SEARCH     .00000E+00
0 89163 LOCATIONS WILL BE USED FOR THIS PROBLEM , IDAT1=  2
0  2303 LOCATIONS WILL BE USED TO READ CROSS SECTIONS
0 29 X-SEC. SETS READ FROM GRP. INDEPENDENT TAPE
  ----------------------------------------------------------------
         1         2         3         4         5         6         7
  34567890123456789012345678901234567890123456789012345678901234567890123456789012
  ----------------------------------------------------------------
  eutron Distributed Source (#/s-cc) - Fission and (Alpha, n)
  tart Gamma Source (#/s-cc)
0   17* ARRAY  21708 ENTRIES READ
0    0T
  ----------------------------------------------------------------
   Flux Guess
0    3* ARRAY  21708 ENTRIES READ
0    0T
  ----------------------------------------------------------------
         1         2         3         4         5         6         7
  34567890123456789012345678901234567890123456789012345678901234567890123456789012
  ----------------------------------------------------------------

   Fission Spectrum Data -> 0 for fixed source

   IM Mesh Intervals
0    1* ARRAY     67 ENTRIES READ
   FUEL

   MPC wall

   GAP

  INNER BARRIER
```

```
   OUTER BARRIER

   WP-Shield Gap

   SS316 Shield Liner

   Inner Lead Shield

   Borated Poly. Shield

   Outer Lead Shield

   SS316 Shield Liner

   AIR
   Velocities by group
0    4* ARRAY    325 ENTRIES READ

   Angular Quadrature Weights
0    5* ARRAY     67 ENTRIES READ

   Angular Quadrature Cosines
0    6* ARRAY     24 ENTRIES READ

   Zone Numbers by Mesh Intervals
0    7* ARRAY     24 ENTRIES READ
   FUEL

  MPC wall

   gap

   INNER BARRIER

   OUTER BARRIER

   WP-Shield Gap

   SS316 Shield Liner

   Inner Lead Shield

   Borated Poly. Shield

   Outer Lead Shield

   SS316 Shield Liner

   AIR

   Material Numbers by Zone - negative indicates no buckling
                              correction made
0    8$ ARRAY    324 ENTRIES READ
   FUEL

   MPC WALL

   GAP

   INNER BARRIER
```

```
   OUTER BARRIER

   WP-Shield Gap

   SS316 Shield Liner

   Inner Lead Shield

   Borated Poly. Shield

   Outer Lead Shield

   SS316 Shield Liner

   AIR

   Order of Scatter by Zone
0    9$ ARRAY     12 ENTRIES READ

   Material Numbers for Activities
0   19$ ARRAY     12 ENTRIES READ
   Cross Section Table Position for Activities
0   22$ ARRAY      3 ENTRIES READ
0   23$ ARRAY      3 ENTRIES READ
0    0T
0   29H  ARRAY     3 LABELS READ
0    0T
1ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 INT.  ZONE NUMBER     RADIUS         AREA          VOLUME      FISS DENS   DENS FACTOR
      1       1        .00000E+00    .00000E+00    .78540E+00    .00000E+00
      2       1        .50000E+00    .31416E+01    .62832E+01    .00000E+00
      3       1        .15000E+01    .94248E+01    .39530E+02    .00000E+00
      4       1        .38513E+01    .24199E+02    .74268E+02    .00000E+00
      5       1        .62027E+01    .38973E+02    .10901E+03    .00000E+00
      6       1        .85540E+01    .53746E+02    .14374E+03    .00000E+00
      7       1        .10905E+02    .68520E+02    .17848E+03    .00000E+00
      8       1        .13257E+02    .83294E+02    .21322E+03    .00000E+00
      9       1        .15608E+02    .98068E+02    .24796E+03    .00000E+00
     10       1        .17959E+02    .11284E+03    .28270E+03    .00000E+00
     11       1        .20311E+02    .12762E+03    .31744E+03    .00000E+00
     12       1        .22662E+02    .14239E+03    .35217E+03    .00000E+00
     13       1        .25013E+02    .15716E+03    .38691E+03    .00000E+00
     14       1        .27365E+02    .17194E+03    .42165E+03    .00000E+00
     15       1        .29716E+02    .18671E+03    .45639E+03    .00000E+00
     16       1        .32067E+02    .20149E+03    .49113E+03    .00000E+00
     17       1        .34419E+02    .21626E+03    .52587E+03    .00000E+00
     18       1        .36770E+02    .23103E+03    .56060E+03    .00000E+00
     19       1        .39121E+02    .24581E+03    .59534E+03    .00000E+00
     20       1        .41473E+02    .26058E+03    .63008E+03    .00000E+00
     21       1        .43824E+02    .27535E+03    .66482E+03    .00000E+00
     22       1        .46175E+02    .29013E+03    .69956E+03    .00000E+00
     23       1        .48527E+02    .30490E+03    .73430E+03    .00000E+00
     24       1        .50878E+02    .31968E+03    .76903E+03    .00000E+00
     25       1        .53229E+02    .33445E+03    .80377E+03    .00000E+00
     26       1        .55581E+02    .34922E+03    .83851E+03    .00000E+00
     27       1        .57932E+02    .36400E+03    .87325E+03    .00000E+00
     28       1        .60283E+02    .37877E+03    .90799E+03    .00000E+00
     29       1        .62635E+02    .39355E+03    .94273E+03    .00000E+00
     30       1        .64986E+02    .40832E+03    .97746E+03    .00000E+00
```

31	1	.67337E+02	.42309E+03	.10122E+04	.00000E+00
32	1	.69689E+02	.43787E+03	.10469E+04	.00000E+00
33	1	.72040E+02	.45264E+03	.68603E+03	.00000E+00
34	1	.73540E+02	.46207E+03	.23182E+03	.00000E+00
35	2	.74040E+02	.46521E+03	.29668E+03	.00000E+00
36	2	.74675E+02	.46920E+03	.29920E+03	.00000E+00
37	2	.75310E+02	.47319E+03	.30174E+03	.00000E+00
38	2	.75945E+02	.47718E+03	.30427E+03	.00000E+00
39	3	.76580E+02	.48117E+03	.24137E+03	.00000E+00
40	3	.77080E+02	.48431E+03	.24294E+03	.00000E+00
41	3	.77580E+02	.48745E+03	.24451E+03	.00000E+00
42	4	.78080E+02	.49059E+03	.24608E+03	.00000E+00
43	4	.78580E+02	.49373E+03	.24765E+03	.00000E+00
44	4	.79080E+02	.49687E+03	.24922E+03	.00000E+00
45	4	.79580E+02	.50002E+03	.25079E+03	.00000E+00
46	5	.80080E+02	.50316E+03	.25236E+03	.00000E+00
47	5	.80580E+02	.50630E+03	.50944E+03	.00000E+00
48	5	.81580E+02	.51258E+03	.51572E+03	.00000E+00
49	5	.82580E+02	.51887E+03	.52201E+03	.00000E+00
50	5	.83580E+02	.52515E+03	.52829E+03	.00000E+00
51	5	.84580E+02	.53143E+03	.53457E+03	.00000E+00
52	5	.85580E+02	.53771E+03	.54086E+03	.00000E+00
53	5	.86580E+02	.54400E+03	.54714E+03	.00000E+00
54	5	.87580E+02	.55028E+03	.55342E+03	.00000E+00
55	5	.88580E+02	.55656E+03	.55971E+03	.00000E+00
56	5	.89580E+02	.56285E+03	.28221E+03	.00000E+00
57	6	.90080E+02	.56599E+03	.28378E+03	.00000E+00
58	6	.90580E+02	.56913E+03	.28535E+03	.00000E+00
59	6	.91080E+02	.57227E+03	.11571E+04	.00000E+00
60	6	.93080E+02	.58484E+03	.12570E+04	.00000E+00
61	6	.95205E+02	.59819E+03	.12853E+04	.00000E+00
62	6	.97330E+02	.61154E+03	.13137E+04	.00000E+00
63	6	.99455E+02	.62489E+03	.13421E+04	.00000E+00
64	6	.10158E+03	.63825E+03	.13705E+04	.00000E+00
65	6	.10370E+03	.65160E+03	.13988E+04	.00000E+00
66	6	.10583E+03	.66495E+03	.14272E+04	.00000E+00
67	6	.10795E+03	.67830E+03	.14556E+04	.00000E+00
68	6	.11008E+03	.69165E+03	.14839E+04	.00000E+00
69	6	.11220E+03	.70500E+03	.15123E+04	.00000E+00
70	6	.11433E+03	.71836E+03	.15407E+04	.00000E+00
71	6	.11645E+03	.73171E+03	.15691E+04	.00000E+00
72	6	.11858E+03	.74506E+03	.74820E+03	.00000E+00
73	6	.11958E+03	.75134E+03	.37646E+03	.00000E+00
74	7	.12008E+03	.75448E+03	.37803E+03	.00000E+00
75	8	.12058E+03	.75763E+03	.39228E+03	.00000E+00
76	8	.12110E+03	.76087E+03	.39395E+03	.00000E+00
77	8	.12161E+03	.76412E+03	.39564E+03	.00000E+00
78	8	.12213E+03	.76737E+03	.39731E+03	.00000E+00
79	8	.12265E+03	.77061E+03	.39899E+03	.00000E+00
80	8	.12316E+03	.77386E+03	.40067E+03	.00000E+00
81	8	.12368E+03	.77710E+03	.40234E+03	.00000E+00
82	8	.12420E+03	.78035E+03	.40402E+03	.00000E+00
83	8	.12471E+03	.78360E+03	.40569E+03	.00000E+00
84	8	.12523E+03	.78684E+03	.40738E+03	.00000E+00
85	8	.12575E+03	.79009E+03	.40905E+03	.00000E+00
86	8	.12626E+03	.79334E+03	.41073E+03	.00000E+00
87	8	.12678E+03	.79658E+03	.41240E+03	.00000E+00
88	8	.12730E+03	.79983E+03	.41409E+03	.00000E+00
89	8	.12781E+03	.80307E+03	.41576E+03	.00000E+00
90	9	.12833E+03	.80632E+03	.41069E+03	.00000E+00

91	9	.12884E+03	.80952E+03	.41232E+03	.00000E+00
92	9	.12935E+03	.81271E+03	.41394E+03	.00000E+00
93	9	.12985E+03	.81590E+03	.41557E+03	.00000E+00
94	9	.13036E+03	.81910E+03	.41719E+03	.00000E+00
95	9	.13087E+03	.82229E+03	.41880E+03	.00000E+00
96	9	.13138E+03	.82548E+03	.42043E+03	.00000E+00
97	9	.13189E+03	.82868E+03	.42205E+03	.00000E+00
98	9	.13240E+03	.83187E+03	.42368E+03	.00000E+00
99	9	.13290E+03	.83507E+03	.42530E+03	.00000E+00
100	9	.13341E+03	.83826E+03	.42693E+03	.00000E+00
101	9	.13392E+03	.84145E+03	.42856E+03	.00000E+00
102	9	.13443E+03	.84465E+03	.43017E+03	.00000E+00
103	9	.13494E+03	.84784E+03	.43180E+03	.00000E+00
104	9	.13545E+03	.85104E+03	.43342E+03	.00000E+00
105	9	.13596E+03	.85423E+03	.43505E+03	.00000E+00
106	9	.13646E+03	.85742E+03	.43666E+03	.00000E+00
107	9	.13697E+03	.86062E+03	.43829E+03	.00000E+00
108	9	.13748E+03	.86381E+03	.43993E+03	.00000E+00
109	9	.13799E+03	.86701E+03	.44154E+03	.00000E+00
110	9	.13850E+03	.87020E+03	.44316E+03	.00000E+00
111	9	.13901E+03	.87339E+03	.44479E+03	.00000E+00
112	9	.13951E+03	.87659E+03	.44641E+03	.00000E+00
113	9	.14002E+03	.87978E+03	.44804E+03	.00000E+00
114	9	.14053E+03	.88298E+03	.44966E+03	.00000E+00
115	9	.14104E+03	.88617E+03	.45128E+03	.00000E+00
116	9	.14155E+03	.88936E+03	.45291E+03	.00000E+00
117	9	.14206E+03	.89256E+03	.45453E+03	.00000E+00
118	9	.14256E+03	.89575E+03	.45615E+03	.00000E+00
119	9	.14307E+03	.89895E+03	.45777E+03	.00000E+00
120	10	.14358E+03	.90214E+03	.45186E+03	.00000E+00
121	10	.14408E+03	.90528E+03	.45343E+03	.00000E+00
122	11	.14458E+03	.90842E+03	.45500E+03	.00000E+00
123	12	.14508E+03	.91156E+03	.45656E+03	.00000E+00
124	12	.14558E+03	.91471E+03	.91784E+03	.00000E+00
125	12	.14658E+03	.92099E+03	.18546E+04	.00000E+00
126	12	.14858E+03	.93356E+03	.37845E+04	.00000E+00
127	12	.15258E+03	.95869E+03	.51817E+04	.00000E+00
128	12	.15789E+03	.99207E+03	.53590E+04	.00000E+00
129	12	.16321E+03	.10254E+04	.55364E+04	.00000E+00
130	12	.16852E+03	.10588E+04	.57137E+04	.00000E+00
131	12	.17383E+03	.10922E+04	.58910E+04	.00000E+00
132	12	.17914E+03	.11256E+04	.60683E+04	.00000E+00
133	12	.18446E+03	.11590E+04	.62457E+04	.00000E+00
134	12	.18977E+03	.11923E+04	.64230E+04	.00000E+00
135	12	.19508E+03	.12257E+04	.62072E+04	.00000E+00
136	12	.20008E+03	.12571E+04	.63642E+04	.00000E+00
137	12	.20508E+03	.12886E+04	.65213E+04	.00000E+00
138	12	.21008E+03	.13200E+04	.66784E+04	.00000E+00
139	12	.21508E+03	.13514E+04	.68355E+04	.00000E+00
140	12	.22008E+03	.13828E+04	.69926E+04	.00000E+00
141	12	.22508E+03	.14142E+04	.71496E+04	.00000E+00
142	12	.23008E+03	.14456E+04	.73067E+04	.00000E+00
143	12	.23508E+03	.14771E+04	.74638E+04	.00000E+00
144	12	.24008E+03	.15085E+04	.76209E+04	.00000E+00
145	12	.24508E+03	.15399E+04	.77780E+04	.00000E+00
146	12	.25008E+03	.15713E+04	.79350E+04	.00000E+00
147	12	.25508E+03	.16027E+04	.80921E+04	.00000E+00
148	12	.26008E+03	.16341E+04	.82492E+04	.00000E+00
149	12	.26508E+03	.16655E+04	.84063E+04	.00000E+00
150	12	.27008E+03	.16970E+04	.85633E+04	.00000E+00

151	12	.27508E+03	.17284E+04	.87205E+04	.00000E+00
152	12	.28008E+03	.17598E+04	.88775E+04	.00000E+00
153	12	.28508E+03	.17912E+04	.90346E+04	.00000E+00
154	12	.29008E+03	.18226E+04	.91917E+04	.00000E+00
155	12	.29508E+03	.18540E+04	.93488E+04	.00000E+00
156	12	.30008E+03	.18855E+04	.95058E+04	.00000E+00
157	12	.30508E+03	.19169E+04	.96629E+04	.00000E+00
158	12	.31008E+03	.19483E+04	.98200E+04	.00000E+00
159	12	.31508E+03	.19797E+04	.99771E+04	.00000E+00
160	12	.32008E+03	.20111E+04	.10134E+05	.00000E+00
161	12	.32508E+03	.20425E+04	.10291E+05	.00000E+00
162	12	.33008E+03	.20740E+04	.10448E+05	.00000E+00
163	12	.33508E+03	.21054E+04	.10605E+05	.00000E+00
164	12	.34008E+03	.21368E+04	.10762E+05	.00000E+00
165	12	.34508E+03	.21682E+04	.10920E+05	.00000E+00
166	12	.35008E+03	.21996E+04	.11077E+05	.00000E+00
167	12	.35508E+03	.22310E+04	.11234E+05	.00000E+00
168	12	.36008E+03	.22624E+04	.11391E+05	.00000E+00
169	12	.36508E+03	.22939E+04	.11548E+05	.00000E+00
170	12	.37008E+03	.23253E+04	.11705E+05	.00000E+00
171	12	.37508E+03	.23567E+04	.11862E+05	.00000E+00
172	12	.38008E+03	.23881E+04	.12019E+05	.00000E+00
173	12	.38508E+03	.24195E+04	.12176E+05	.00000E+00
174	12	.39008E+03	.24509E+04	.12333E+05	.00000E+00
175	12	.39508E+03	.24824E+04	.12490E+05	.00000E+00
176	12	.40008E+03	.25138E+04	.12647E+05	.00000E+00
177	12	.40508E+03	.25452E+04	.12805E+05	.00000E+00
178	12	.41008E+03	.25766E+04	.12962E+05	.00000E+00
179	12	.41508E+03	.26080E+04	.13119E+05	.00000E+00
180	12	.42008E+03	.26394E+04	.13276E+05	.00000E+00
181	12	.42508E+03	.26709E+04	.13433E+05	.00000E+00
182	12	.43008E+03	.27023E+04	.13590E+05	.00000E+00
183	12	.43508E+03	.27337E+04	.13747E+05	.00000E+00
184	12	.44008E+03	.27651E+04	.13904E+05	.00000E+00
185	12	.44508E+03	.27965E+04	.14061E+05	.00000E+00
186	12	.45008E+03	.28279E+04	.14218E+05	.00000E+00
187	12	.45508E+03	.28594E+04	.14375E+05	.00000E+00
188	12	.46008E+03	.28908E+04	.14532E+05	.00000E+00
189	12	.46508E+03	.29222E+04	.14689E+05	.00000E+00
190	12	.47008E+03	.29536E+04	.14847E+05	.00000E+00
191	12	.47508E+03	.29850E+04	.15004E+05	.00000E+00
192	12	.48008E+03	.30164E+04	.15161E+05	.00000E+00
193	12	.48508E+03	.30478E+04	.15318E+05	.00000E+00
194	12	.49008E+03	.30793E+04	.15475E+05	.00000E+00
195	12	.49508E+03	.31107E+04	.15632E+05	.00000E+00
196	12	.50008E+03	.31421E+04	.15789E+05	.00000E+00
197	12	.50508E+03	.31735E+04	.15946E+05	.00000E+00
198	12	.51008E+03	.32049E+04	.16103E+05	.00000E+00
199	12	.51508E+03	.32363E+04	.16260E+05	.00000E+00
200	12	.52008E+03	.32678E+04	.16417E+05	.00000E+00
201	12	.52508E+03	.32992E+04	.16574E+05	.00000E+00
202	12	.53008E+03	.33306E+04	.16732E+05	.00000E+00
203	12	.53508E+03	.33620E+04	.16889E+05	.00000E+00
204	12	.54008E+03	.33934E+04	.17046E+05	.00000E+00
205	12	.54508E+03	.34248E+04	.17203E+05	.00000E+00
206	12	.55008E+03	.34563E+04	.17360E+05	.00000E+00
207	12	.55508E+03	.34877E+04	.17517E+05	.00000E+00
208	12	.56008E+03	.35191E+04	.17674E+05	.00000E+00
209	12	.56508E+03	.35505E+04	.17831E+05	.00000E+00
210	12	.57008E+03	.35819E+04	.17988E+05	.00000E+00

211	12	.57508E+03	.36133E+04	.18145E+05	.00000E+00
212	12	.58008E+03	.36448E+04	.18302E+05	.00000E+00
213	12	.58508E+03	.36762E+04	.18459E+05	.00000E+00
214	12	.59008E+03	.37076E+04	.18617E+05	.00000E+00
215	12	.59508E+03	.37390E+04	.18773E+05	.00000E+00
216	12	.60008E+03	.37704E+04	.18931E+05	.00000E+00
217	12	.60508E+03	.38018E+04	.19088E+05	.00000E+00
218	12	.61008E+03	.38332E+04	.19245E+05	.00000E+00
219	12	.61508E+03	.38647E+04	.19402E+05	.00000E+00
220	12	.62008E+03	.38961E+04	.19559E+05	.00000E+00
221	12	.62508E+03	.39275E+04	.19716E+05	.00000E+00
222	12	.63008E+03	.39589E+04	.19873E+05	.00000E+00
223	12	.63508E+03	.39903E+04	.20030E+05	.00000E+00
224	12	.64008E+03	.40217E+04	.20187E+05	.00000E+00
225	12	.64508E+03	.40532E+04	.20344E+05	.00000E+00
226	12	.65008E+03	.40846E+04	.20501E+05	.00000E+00
227	12	.65508E+03	.41160E+04	.20659E+05	.00000E+00
228	12	.66008E+03	.41474E+04	.20816E+05	.00000E+00
229	12	.66508E+03	.41788E+04	.20973E+05	.00000E+00
230	12	.67008E+03	.42102E+04	.21130E+05	.00000E+00
231	12	.67508E+03	.42417E+04	.21287E+05	.00000E+00
232	12	.68008E+03	.42731E+04	.21444E+05	.00000E+00
233	12	.68508E+03	.43045E+04	.21601E+05	.00000E+00
234	12	.69008E+03	.43359E+04	.21758E+05	.00000E+00
235	12	.69508E+03	.43673E+04	.21915E+05	.00000E+00
236	12	.70008E+03	.43987E+04	.22072E+05	.00000E+00
237	12	.70508E+03	.44301E+04	.22229E+05	.00000E+00
238	12	.71008E+03	.44616E+04	.22386E+05	.00000E+00
239	12	.71508E+03	.44930E+04	.22543E+05	.00000E+00
240	12	.72008E+03	.45244E+04	.22701E+05	.00000E+00
241	12	.72508E+03	.45558E+04	.22858E+05	.00000E+00
242	12	.73008E+03	.45872E+04	.23015E+05	.00000E+00
243	12	.73508E+03	.46186E+04	.23172E+05	.00000E+00
244	12	.74008E+03	.46501E+04	.23329E+05	.00000E+00
245	12	.74508E+03	.46815E+04	.23486E+05	.00000E+00
246	12	.75008E+03	.47129E+04	.23643E+05	.00000E+00
247	12	.75508E+03	.47443E+04	.23800E+05	.00000E+00
248	12	.76008E+03	.47757E+04	.23957E+05	.00000E+00
249	12	.76508E+03	.48071E+04	.24114E+05	.00000E+00
250	12	.77008E+03	.48386E+04	.24271E+05	.00000E+00
251	12	.77508E+03	.48700E+04	.24429E+05	.00000E+00
252	12	.78008E+03	.49014E+04	.24586E+05	.00000E+00
253	12	.78508E+03	.49328E+04	.24742E+05	.00000E+00
254	12	.79008E+03	.49642E+04	.24900E+05	.00000E+00
255	12	.79508E+03	.49956E+04	.25057E+05	.00000E+00
256	12	.80008E+03	.50271E+04	.25214E+05	.00000E+00
257	12	.80508E+03	.50585E+04	.25371E+05	.00000E+00
258	12	.81008E+03	.50899E+04	.25528E+05	.00000E+00
259	12	.81508E+03	.51213E+04	.25685E+05	.00000E+00
260	12	.82008E+03	.51527E+04	.25842E+05	.00000E+00
261	12	.82508E+03	.51841E+04	.25999E+05	.00000E+00
262	12	.83008E+03	.52155E+04	.26156E+05	.00000E+00
263	12	.83508E+03	.52470E+04	.26314E+05	.00000E+00
264	12	.84008E+03	.52784E+04	.26470E+05	.00000E+00
265	12	.84508E+03	.53098E+04	.26628E+05	.00000E+00
266	12	.85008E+03	.53412E+04	.26785E+05	.00000E+00
267	12	.85508E+03	.53726E+04	.26942E+05	.00000E+00
268	12	.86008E+03	.54040E+04	.27099E+05	.00000E+00
269	12	.86508E+03	.54355E+04	.27256E+05	.00000E+00
270	12	.87008E+03	.54669E+04	.27413E+05	.00000E+00

271	12	.87508E+03	.54983E+04	.27570E+05	.00000E+00
272	12	.88008E+03	.55297E+04	.27727E+05	.00000E+00
273	12	.88508E+03	.55611E+04	.27884E+05	.00000E+00
274	12	.89008E+03	.55925E+04	.28041E+05	.00000E+00
275	12	.89508E+03	.56240E+04	.28198E+05	.00000E+00
276	12	.90008E+03	.56554E+04	.28356E+05	.00000E+00
277	12	.90508E+03	.56868E+04	.28513E+05	.00000E+00
278	12	.91008E+03	.57182E+04	.28670E+05	.00000E+00
279	12	.91508E+03	.57496E+04	.28827E+05	.00000E+00
280	12	.92008E+03	.57810E+04	.28984E+05	.00000E+00
281	12	.92508E+03	.58124E+04	.29141E+05	.00000E+00
282	12	.93008E+03	.58439E+04	.29298E+05	.00000E+00
283	12	.93508E+03	.58753E+04	.29455E+05	.00000E+00
284	12	.94008E+03	.59067E+04	.29612E+05	.00000E+00
285	12	.94508E+03	.59381E+04	.29769E+05	.00000E+00
286	12	.95008E+03	.59695E+04	.29926E+05	.00000E+00
287	12	.95508E+03	.60009E+04	.30084E+05	.00000E+00
288	12	.96008E+03	.60324E+04	.30240E+05	.00000E+00
289	12	.96508E+03	.60638E+04	.30398E+05	.00000E+00
290	12	.97008E+03	.60952E+04	.30555E+05	.00000E+00
291	12	.97508E+03	.61266E+04	.30712E+05	.00000E+00
292	12	.98008E+03	.61580E+04	.30869E+05	.00000E+00
293	12	.98508E+03	.61894E+04	.31026E+05	.00000E+00
294	12	.99008E+03	.62209E+04	.31183E+05	.00000E+00
295	12	.99508E+03	.62523E+04	.31340E+05	.00000E+00
296	12	.10001E+04	.62837E+04	.31497E+05	.00000E+00
297	12	.10051E+04	.63151E+04	.31654E+05	.00000E+00
298	12	.10101E+04	.63465E+04	.31811E+05	.00000E+00
299	12	.10151E+04	.63779E+04	.31968E+05	.00000E+00
300	12	.10201E+04	.64094E+04	.32125E+05	.00000E+00
301	12	.10251E+04	.64408E+04	.32283E+05	.00000E+00
302	12	.10301E+04	.64722E+04	.32439E+05	.00000E+00
303	12	.10351E+04	.65036E+04	.32597E+05	.00000E+00
304	12	.10401E+04	.65350E+04	.32754E+05	.00000E+00
305	12	.10451E+04	.65664E+04	.32911E+05	.00000E+00
306	12	.10501E+04	.65978E+04	.33068E+05	.00000E+00
307	12	.10551E+04	.66293E+04	.33225E+05	.00000E+00
308	12	.10601E+04	.66607E+04	.33382E+05	.00000E+00
309	12	.10651E+04	.66921E+04	.33539E+05	.00000E+00
310	12	.10701E+04	.67235E+04	.33696E+05	.00000E+00
311	12	.10751E+04	.67549E+04	.33853E+05	.00000E+00
312	12	.10801E+04	.67863E+04	.34010E+05	.00000E+00
313	12	.10851E+04	.68178E+04	.34167E+05	.00000E+00
314	12	.10901E+04	.68492E+04	.34325E+05	.00000E+00
315	12	.10951E+04	.68806E+04	.34482E+05	.00000E+00
316	12	.11001E+04	.69120E+04	.34639E+05	.00000E+00
317	12	.11051E+04	.69434E+04	.34796E+05	.00000E+00
318	12	.11101E+04	.69748E+04	.34953E+05	.00000E+00
319	12	.11151E+04	.70063E+04	.35110E+05	.00000E+00
320	12	.11201E+04	.70377E+04	.35267E+05	.00000E+00
321	12	.11251E+04	.70691E+04	.35424E+05	.00000E+00
322	12	.11301E+04	.71005E+04	.35581E+05	.00000E+00
323	12	.11351E+04	.71319E+04	.35738E+05	.00000E+00
324	12	.11401E+04	.71633E+04	.35895E+05	.00000E+00
325		.11451E+04	.71947E+04		

1ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0

	FISS SPEC	VELOCITY	RT ALBEDO	LFT ALBEDO	DIFF MARKER	MAT#L/ZONE	L OF P(L)	RADIUS MOD
1	.00000E+00	.10000E+01				-1	3	.00000E+00
2	.00000E+00	.10000E+01				-5	3	.00000E+00
3	.00000E+00	.10000E+01				-17	3	.00000E+00

4	.00000E+00	.10000E+01	-9	3	.00000E+00
5	.00000E+00	.10000E+01	-13	3	.00000E+00
6	.00000E+00	.10000E+01	-17	3	.00000E+00
7	.00000E+00	.10000E+01	-5	3	.00000E+00
8	.00000E+00	.10000E+01	-22	3	.00000E+00
9	.00000E+00	.10000E+01	-26	3	.00000E+00
10	.00000E+00	.10000E+01	-22	3	.00000E+00
11	.00000E+00	.10000E+01	-5	3	.00000E+00
12	.00000E+00	.10000E+01	-17	3	.00000E+00
13	.00000E+00	.10000E+01			
14	.00000E+00	.10000E+01			
15	.00000E+00	.10000E+01			
16	.00000E+00	.10000E+01			
17	.00000E+00	.10000E+01			
18	.00000E+00	.10000E+01			
19	.00000E+00	.10000E+01			
20	.00000E+00	.10000E+01			
21	.00000E+00	.10000E+01			
22	.00000E+00	.10000E+01			
23	.00000E+00	.10000E+01			
24	.00000E+00	.10000E+01			
25	.00000E+00	.10000E+01			
26	.00000E+00	.10000E+01			
27	.00000E+00	.10000E+01			
28	.00000E+00	.10000E+01			
29	.00000E+00	.10000E+01			
30	.00000E+00	.10000E+01			
31	.00000E+00	.10000E+01			
32	.00000E+00	.10000E+01			
33	.00000E+00	.10000E+01			
34	.00000E+00	.10000E+01			
35	.00000E+00	.10000E+01			
36	.00000E+00	.10000E+01			
37	.00000E+00	.10000E+01			
38	.00000E+00	.10000E+01			
39	.00000E+00	.10000E+01			
40	.00000E+00	.10000E+01			
41	.00000E+00	.10000E+01			
42	.00000E+00	.10000E+01			
43	.00000E+00	.10000E+01			
44	.00000E+00	.10000E+01			
45	.00000E+00	.10000E+01			
46	.00000E+00	.10000E+01			
47	.00000E+00	.10000E+01			
48	.00000E+00	.10000E+01			
49	.00000E+00	.10000E+01			
50	.00000E+00	.10000E+01			
51	.00000E+00	.10000E+01			
52	.00000E+00	.10000E+01			
53	.00000E+00	.10000E+01			
54	.00000E+00	.10000E+01			
55	.00000E+00	.10000E+01			
56	.00000E+00	.10000E+01			
57	.00000E+00	.10000E+01			
58	.00000E+00	.10000E+01			
59	.00000E+00	.10000E+01			
60	.00000E+00	.10000E+01			
61	.00000E+00	.10000E+01			
62	.00000E+00	.10000E+01			
63	.00000E+00	.10000E+01			

64	.00000E+00	.10000E+01
65	.00000E+00	.10000E+01
66	.00000E+00	.10000E+01
67	.00000E+00	.10000E+01

1ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield

0 CROSS SECTION MIXING TABLE

MIXTURE	COMPONENT	NO. DENSITY
1		
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3		
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ANGULAR QUADRATURE CONSTANTS

COSINE (MU)	WEIGHT	REFL DIRECT	WT. X COS.
-.97590E+00	.00000E+00	9	.00000E+00
-.95119E+00	.60494E-01	9	-.57541E-01
-.78680E+00	.45370E-01	8	-.35697E-01
-.57735E+00	.45370E-01	7	-.26195E-01
-.21822E+00	.60494E-01	6	-.13201E-01
.21822E+00	.60494E-01	5	.13201E-01
.57735E+00	.45370E-01	4	.26195E-01
.78680E+00	.45370E-01	3	.35697E-01
.95119E+00	.60494E-01	2	.57541E-01
-.81650E+00	.00000E+00	16	.00000E+00
-.78680E+00	.45370E-01	16	-.35697E-01
-.57735E+00	.46296E-01	15	-.26729E-01
-.21822E+00	.45370E-01	14	-.99006E-02
.21822E+00	.45370E-01	13	.99006E-02
.57735E+00	.46296E-01	12	.26729E-01
.78680E+00	.45370E-01	11	.35697E-01
-.61721E+00	.00000E+00	21	.00000E+00
-.57735E+00	.45370E-01	21	-.26195E-01
-.21822E+00	.45370E-01	20	-.99006E-02
.21822E+00	.45370E-01	19	.99006E-02
.57735E+00	.45370E-01	18	.26195E-01
-.30861E+00	.00000E+00	24	.00000E+00
-.21822E+00	.60494E-01	24	-.13201E-01
.21822E+00	.60494E-01	23	.13201E-01

0 CONSTANTS FOR P(3) SCATTERING

OANGLE	SET NO 1	SET NO 2	SET NO 3	SET NO 4	SET NO 5
1	-9.75900E-01	-4.28571E-01	8.24786E-01	4.55325E-01	-7.34778E-01
2	-9.51190E-01	-4.28571E-01	7.42308E-01	4.43796E-01	-5.72939E-01
3	-7.86796E-01	-4.28571E-01	2.47436E-01	3.67095E-01	2.36958E-01
4	-5.77350E-01	-4.28571E-01	-2.47435E-01	2.69374E-01	6.95520E-01
5	-2.18218E-01	-4.28571E-01	-7.42307E-01	1.01814E-01	4.60044E-01
6	2.18218E-01	-4.28571E-01	-7.42307E-01	-1.01814E-01	-4.60044E-01
7	5.77350E-01	-4.28571E-01	-2.47436E-01	-2.69374E-01	-6.95520E-01
8	7.86796E-01	-4.28571E-01	2.47436E-01	-3.67094E-01	-2.36958E-01
9	9.51190E-01	-4.28571E-01	7.42308E-01	-4.43796E-01	5.72939E-01
10	-8.16496E-01	.00000E+00	5.77350E-01	-3.33334E-01	-4.30331E-01
11	-7.86796E-01	.00000E+00	4.94872E-01	-3.21208E-01	-2.96199E-01
12	-5.77350E-01	.00000E+00	.00000E+00	-2.35702E-01	3.04290E-01
13	-2.18218E-01	.00000E+00	-4.94871E-01	-8.90872E-02	3.12173E-01
14	2.18218E-01	.00000E+00	-4.94871E-01	8.90872E-02	-3.12172E-01
15	5.77350E-01	.00000E+00	.00000E+00	2.35702E-01	-3.04290E-01
16	7.86796E-01	.00000E+00	4.94872E-01	3.21208E-01	2.96199E-01
17	-6.17213E-01	4.28571E-01	3.29914E-01	-7.91926E-01	-1.85886E-01
18	-5.77350E-01	4.28571E-01	2.47436E-01	-7.40779E-01	-8.69404E-02
19	-2.18218E-01	4.28571E-01	-2.47436E-01	-2.79988E-01	1.64301E-01
20	2.18218E-01	4.28571E-01	-2.47436E-01	2.79988E-01	-1.64301E-01
21	5.77350E-01	4.28571E-01	2.47436E-01	7.40779E-01	8.69403E-02
22	-3.08607E-01	8.57143E-01	8.24786E-02	-6.65938E-01	-2.32357E-02
23	-2.18218E-01	8.57143E-01	.00000E+00	-4.70889E-01	1.64301E-02
24	2.18218E-01	8.57143E-01	.00000E+00	4.70889E-01	-1.64301E-02

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 1

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	6.10725E-03	1.43310E-02	1.09514E-05	1.98070E-02	1.26809E-02	1.09514E-05	1.43310E-02	1.94075E-04

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      2  2.14229E-02   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  4.40186E-02  2.11616E-01  8.18187E-05  2.16883E-01  2.09876E-01  8.18187E-05  2.11616E-01  1.85804E-01
      4  2.26166E-02  9.06094E-02  3.36486E-05  9.29045E-02  9.01850E-02  3.36486E-05  9.06094E-02  1.01315E-01
      5   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
          POS.     6 THRU  POS.    70 SAME AS ABOVE
0 POS.    ZONE   9     ZONE  10     ZONE  11     ZONE  12
      1  3.54707E-03  1.94075E-04  1.43310E-02  1.09514E-05
      2   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  9.95358E-02  1.85804E-01  2.11616E-01  8.18187E-05
      4  2.82671E-02  1.01315E-01  9.06094E-02  3.36486E-05
      5   .00000E+00   .00000E+00   .00000E+00   .00000E+00
          POS.     6 THRU  POS.    70 SAME AS ABOVE
1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP   2
0 POS.    ZONE   1     ZONE   2     ZONE   3     ZONE   4     ZONE   5     ZONE   6     ZONE   7     ZONE   8
      1  5.75465E-03  1.75165E-02  1.17430E-05  2.84718E-02  1.38160E-02  1.17430E-05  1.75165E-02  7.89993E-05
      2  1.72159E-02   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  4.36560E-02  2.29905E-01  8.06669E-05  2.35885E-01  2.28676E-01  8.06669E-05  2.29905E-01  1.77639E-01
      4  2.09073E-02  1.03492E-01  3.11205E-05  1.06696E-01  1.03873E-01  3.11205E-05  1.03492E-01  9.37468E-02
      5  2.84269E-03  1.08545E-02  1.25953E-05  1.05528E-02  1.13735E-02  1.25953E-05  1.08545E-02  3.03302E-03
      6   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
          POS.     7 THRU  POS.    70 SAME AS ABOVE
0 POS.    ZONE   9     ZONE  10     ZONE  11     ZONE  12
      1  4.45962E-03  7.89993E-05  1.75165E-02  1.17430E-05
      2   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  1.04949E-01  1.77639E-01  2.29905E-01  8.06669E-05
      4  2.48171E-02  9.37468E-02  1.03492E-01  3.11205E-05
      5  1.40886E-02  3.03302E-03  1.08545E-02  1.25953E-05
      6   .00000E+00   .00000E+00   .00000E+00   .00000E+00
          POS.     7 THRU  POS.    70 SAME AS ABOVE
1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP   3
0 POS.    ZONE   1     ZONE   2     ZONE   3     ZONE   4     ZONE   5     ZONE   6     ZONE   7     ZONE   8
      1  5.75038E-03  1.61456E-02  1.28024E-05  3.14698E-02  1.04358E-02  1.28024E-05  1.61456E-02  6.04974E-05
      2  1.51657E-02   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  4.30846E-02  2.53779E-01  7.30176E-05  2.59294E-01  2.54084E-01  7.30176E-05  2.53779E-01  1.72175E-01
      4  2.02671E-02  1.26365E-01  2.50224E-05  1.28034E-01  1.29073E-01  2.50224E-05  1.26365E-01  9.06455E-02
      5  3.57298E-03  1.21000E-02  1.68956E-05  1.22656E-02  1.22209E-02  1.68956E-05  1.21000E-02  3.77033E-03
      6  6.97930E-04  4.40417E-03  2.68579E-06  4.27760E-03  4.28490E-03  2.68579E-06  4.40417E-03  3.30679E-03
      7   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
          POS.     8 THRU  POS.    70 SAME AS ABOVE
0 POS.    ZONE   9     ZONE  10     ZONE  11     ZONE  12
      1  5.15497E-03  6.04974E-05  1.61456E-02  1.28024E-05
      2   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  1.10107E-01  1.72175E-01  2.53779E-01  7.30176E-05
      4  2.44111E-02  9.06455E-02  1.26365E-01  2.50224E-05
      5  1.92404E-02  3.77033E-03  1.21000E-02  1.68956E-05
      6  1.02796E-02  3.30679E-03  4.40417E-03  2.68579E-06
      7   .00000E+00   .00000E+00   .00000E+00   .00000E+00
          POS.     8 THRU  POS.    70 SAME AS ABOVE
1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP   4
0 POS.    ZONE   1     ZONE   2     ZONE   3     ZONE   4     ZONE   5     ZONE   6     ZONE   7     ZONE   8
      1  5.69522E-03  1.40522E-02  1.03118E-05  3.10737E-02  7.62499E-03  1.03118E-05  1.40522E-02  4.90525E-05
      2  1.43856E-02   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
      3  4.23236E-02  2.73059E-01  6.54765E-05  2.78861E-01  2.72916E-01  6.54765E-05  2.73059E-01  1.75372E-01
      4  1.95118E-02  1.43182E-01  2.09990E-05  1.43459E-01  1.45918E-01  2.09990E-05  1.43182E-01  9.19487E-02
      5  3.33821E-03  1.10571E-02  1.43414E-05  1.08279E-02  1.14277E-02  1.43414E-05  1.10571E-02  2.60472E-03
      6  5.65757E-04  3.19056E-03  2.32053E-06  3.16835E-03  3.04860E-03  2.32053E-06  3.19056E-03  2.36793E-03
      7  4.09980E-04  3.70911E-03  1.54327E-06  3.40831E-03  3.85964E-03  1.54327E-06  3.70911E-03  2.28176E-03
      8   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
          POS.     9 THRU  POS.    70 SAME AS ABOVE
0 POS.    ZONE   9     ZONE  10     ZONE  11     ZONE  12
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1	7.23631E-03	4.90525E-05	1.40522E-02	1.03118E-05
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.14569E-01	1.75372E-01	2.73059E-01	6.54765E-05
4	1.82387E-02	9.19487E-02	1.43182E-01	2.09990E-05
5	1.50596E-02	2.60472E-03	1.10571E-02	1.43414E-05
6	8.03381E-03	2.36793E-03	3.19056E-03	2.32053E-06
7	5.77936E-03	2.28176E-03	3.70911E-03	1.54327E-06
8	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 9 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 5

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	4.86812E-03	1.22352E-02	9.63354E-06	2.97833E-02	5.38285E-03	9.63354E-06	1.22352E-02	3.47472E-05
2	1.36072E-02	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.31858E-02	2.91514E-01	7.01868E-05	2.96127E-01	2.92211E-01	7.01868E-05	2.91514E-01	1.84755E-01
4	2.05407E-02	1.58583E-01	2.11503E-05	1.57141E-01	1.62437E-01	2.11503E-05	1.58583E-01	1.04149E-01
5	3.59451E-03	1.33858E-02	1.65404E-05	1.23299E-02	1.42597E-02	1.65404E-05	1.33858E-02	2.43666E-03
6	1.14175E-03	2.49817E-03	5.16893E-06	2.91065E-03	2.00287E-03	5.16893E-06	2.49817E-03	2.10915E-03
7	2.79442E-04	4.01546E-03	1.08461E-06	3.66726E-03	4.19722E-03	1.08461E-06	4.01546E-03	2.52580E-03
8	8.94886E-04	3.74451E-03	2.35709E-06	3.35170E-03	3.94423E-03	2.35709E-06	3.74451E-03	1.78952E-03
9	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 10 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	3.77986E-03	3.47472E-05	1.22352E-02	9.63354E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.37815E-01	1.84755E-01	2.91514E-01	7.01868E-05
4	2.95280E-02	1.04149E-01	1.58583E-01	2.11503E-05
5	1.72132E-02	2.43666E-03	1.33858E-02	1.65404E-05
6	9.76359E-03	2.10915E-03	2.49817E-03	5.16893E-06
7	7.18349E-03	2.52580E-03	4.01546E-03	1.08461E-06
8	4.67165E-03	1.78952E-03	3.74451E-03	2.35709E-06
9	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 10 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 6

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	4.37893E-03	9.56109E-03	9.95889E-06	2.68492E-02	2.78655E-03	9.95889E-06	9.56109E-03	2.29400E-05
2	1.08012E-02	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.33368E-02	3.06058E-01	6.68496E-05	3.10645E-01	3.05842E-01	6.68496E-05	3.06058E-01	2.04306E-01
4	2.24532E-02	1.71003E-01	2.34391E-05	1.68433E-01	1.74515E-01	2.34391E-05	1.71003E-01	1.25059E-01
5	4.80912E-03	1.66123E-02	2.28210E-05	1.48380E-02	1.79093E-02	2.28210E-05	1.66123E-02	2.42095E-03
6	1.20772E-03	3.75115E-03	5.48479E-06	4.58288E-03	2.90538E-03	5.48479E-06	3.75115E-03	2.47381E-03
7	4.37239E-04	5.94238E-03	7.84390E-07	5.48365E-03	6.10783E-03	7.84390E-07	5.94238E-03	2.56674E-03
8	8.62711E-04	5.51172E-03	2.62801E-06	4.85534E-03	5.85809E-03	2.62801E-06	5.51172E-03	2.88637E-03
9	1.39346E-03	5.78099E-03	2.61781E-06	5.13985E-03	6.03418E-03	2.61781E-06	5.78099E-03	2.09634E-03
10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 11 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.42356E-03	2.29400E-05	9.56109E-03	9.95889E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.31841E-01	2.04306E-01	3.06058E-01	6.68496E-05
4	2.33860E-02	1.25059E-01	1.71003E-01	2.34391E-05
5	2.58753E-02	2.42095E-03	1.66123E-02	2.28210E-05
6	1.47451E-02	2.47381E-03	3.75115E-03	5.48479E-06
7	9.49381E-03	2.56674E-03	5.94238E-03	7.84390E-07
8	7.52461E-03	2.88637E-03	5.51172E-03	2.62801E-06
9	5.36357E-03	2.09634E-03	5.78099E-03	2.61781E-06
10	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 11 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 7

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.71477E-03	6.34654E-03	8.70685E-06	2.09275E-02	6.97182E-04	8.70685E-06	6.34654E-03	1.92571E-05

2	7.04680E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.71142E-02	3.12602E-01	7.15701E-05	3.16948E-01	3.11380E-01	7.15701E-05	3.12602E-01	2.37137E-01	
4	2.59993E-02	1.79466E-01	2.93388E-05	1.77267E-01	1.81885E-01	2.93388E-05	1.79466E-01	1.61710E-01	
5	5.17155E-03	1.88040E-02	2.34560E-05	1.63044E-02	2.07921E-02	2.34560E-05	1.88040E-02	2.40343E-03	
6	1.05422E-03	4.62286E-03	3.40866E-06	5.27858E-03	3.80895E-03	3.40866E-06	4.62286E-03	2.41614E-03	
7	5.93745E-04	7.56083E-03	4.67506E-07	7.04939E-03	7.71887E-03	4.67506E-07	7.56083E-03	2.42910E-03	
8	4.09116E-04	7.19926E-03	1.40285E-06	6.30165E-03	7.79401E-03	1.40285E-06	7.19926E-03	3.28178E-03	
9	1.51130E-03	6.72322E-03	2.85469E-06	5.86290E-03	7.14357E-03	2.85469E-06	6.72322E-03	2.93959E-03	
10	1.23265E-03	6.67422E-03	1.79977E-06	5.82037E-03	6.96325E-03	1.79977E-06	6.67422E-03	2.85919E-03	
11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 12 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	7.03961E-04	1.92571E-05	6.34654E-03	8.70685E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.48884E-01	2.37137E-01	3.12602E-01	7.15701E-05
4	2.84746E-02	1.61710E-01	1.79466E-01	2.93388E-05
5	2.88303E-02	2.40343E-03	1.88040E-02	2.34560E-05
6	1.73456E-02	2.41614E-03	4.62286E-03	3.40866E-06
7	8.71526E-03	2.42910E-03	7.56083E-03	4.67506E-07
8	9.92683E-03	3.28178E-03	7.19926E-03	1.40285E-06
9	6.52658E-03	2.93959E-03	6.72322E-03	2.85469E-06
10	4.12828E-03	2.85919E-03	6.67422E-03	1.79977E-06
11	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 12 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 8

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.79838E-03	4.31824E-03	1.71768E-05	1.48435E-02	1.36625E-04	1.71768E-05	4.31824E-03	2.12907E-05
2	6.47660E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.28227E-02	3.11875E-01	8.92740E-05	3.12608E-01	3.10899E-01	8.92740E-05	3.11875E-01	2.57796E-01
4	3.17799E-02	1.91495E-01	4.42236E-05	1.85206E-01	1.94490E-01	4.42236E-05	1.91495E-01	2.00799E-01
5	6.87948E-03	2.55446E-02	3.05917E-05	2.26044E-02	2.77096E-02	3.05917E-05	2.55446E-02	2.81366E-03
6	2.31880E-03	9.59742E-03	2.74167E-06	1.08002E-02	7.92806E-03	2.74167E-06	9.59742E-03	3.57765E-03
7	1.16292E-03	1.54238E-02	8.93285E-07	1.44073E-02	1.58032E-02	8.93285E-07	1.54238E-02	5.41828E-03
8	6.64103E-04	1.42173E-02	1.73032E-06	1.23841E-02	1.52517E-02	1.73032E-06	1.42173E-02	6.04413E-03
9	1.47708E-03	1.23922E-02	3.52063E-06	1.06100E-02	1.34535E-02	3.52063E-06	1.23922E-02	6.09725E-03
10	2.03983E-03	1.19983E-02	2.70451E-06	1.02781E-02	1.26560E-02	2.70451E-06	1.19983E-02	8.38657E-03
11	1.93660E-03	1.16447E-02	2.73776E-06	9.97614E-03	1.22086E-02	2.73776E-06	1.16447E-02	8.24206E-03
12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 13 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	8.47946E-04	2.12907E-05	4.31824E-03	1.71768E-05
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.92436E-01	2.57796E-01	3.11875E-01	8.92740E-05
4	5.87691E-02	2.00799E-01	1.91495E-01	4.42236E-05
5	4.66859E-02	2.81366E-03	2.55446E-02	3.05917E-05
6	2.11148E-02	3.57765E-03	9.59742E-03	2.74167E-06
7	1.26704E-02	5.41828E-03	1.54238E-02	8.93285E-07
8	1.38924E-02	6.04413E-03	1.42173E-02	1.73032E-06
9	1.08793E-02	6.09725E-03	1.23922E-02	3.52063E-06
10	6.19783E-03	8.38657E-03	1.19983E-02	2.70451E-06
11	5.67641E-03	8.24206E-03	1.16447E-02	2.73776E-06
12	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 13 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 9

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.16137E-03	2.74216E-03	1.45135E-05	9.13946E-03	1.59421E-04	1.45135E-05	2.74216E-03	2.30680E-05
2	5.88930E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.79793E-02	2.96895E-01	9.29732E-05	2.98209E-01	2.92641E-01	9.29732E-05	2.96895E-01	2.63599E-01
4	3.36978E-02	1.72818E-01	3.25898E-05	1.73365E-01	1.68447E-01	3.25898E-05	1.72818E-01	2.29638E-01
5	5.65927E-03	2.17424E-02	2.29624E-05	1.78111E-02	2.49223E-02	2.29624E-05	2.17424E-02	3.28376E-03

6	1.59806E-03	6.20682E-03	1.63222E-07	7.22618E-03	4.57062E-03	1.63222E-07	6.20682E-03	2.18173E-03
7	1.26087E-03	1.29190E-02	3.66228E-07	1.25182E-02	1.29868E-02	3.66228E-07	1.29190E-02	5.18799E-03
8	5.94378E-04	1.16987E-02	1.39721E-06	1.02091E-02	1.24515E-02	1.39721E-06	1.16987E-02	5.60567E-03
9	7.03097E-04	9.80773E-03	1.87814E-06	8.46630E-03	1.05170E-02	1.87814E-06	9.80773E-03	5.39023E-03
10	1.42272E-03	9.41002E-03	2.00330E-06	8.04730E-03	1.00307E-02	2.00330E-06	9.41002E-03	6.39418E-03
11	1.26667E-03	8.73575E-03	1.74864E-06	7.49920E-03	9.09688E-03	1.74864E-06	8.73575E-03	9.34762E-03
12	1.29043E-03	8.82384E-03	1.69736E-06	7.40199E-03	9.45748E-03	1.69736E-06	8.82384E-03	9.46112E-03
13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 14 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	2.13719E-04	2.30680E-05	2.74216E-03	1.45135E-05
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.27308E-01	2.63599E-01	2.96895E-01	9.29732E-05
4	4.71801E-02	2.29638E-01	1.72818E-01	3.25898E-05
5	3.96287E-02	3.28376E-03	2.17424E-02	2.29624E-05
6	1.26152E-02	2.18173E-03	6.20682E-03	1.63222E-07
7	8.88031E-03	5.18799E-03	1.29190E-02	3.66228E-07
8	8.77836E-03	5.60567E-03	1.16987E-02	1.39721E-06
9	7.60739E-03	5.39023E-03	9.80773E-03	1.87814E-06
10	4.55235E-03	6.39418E-03	9.41002E-03	2.00330E-06
11	3.36789E-03	9.34762E-03	8.73575E-03	1.74864E-06
12	2.92459E-03	9.46112E-03	8.82384E-03	1.69736E-06
13	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 14 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 10

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.17296E-03	1.97593E-03	9.04117E-06	6.47590E-03	1.75107E-04	9.04117E-06	1.97593E-03	2.53425E-05
2	5.73893E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.74793E-02	2.90671E-01	7.22967E-05	2.97169E-01	2.83143E-01	7.22967E-05	2.90671E-01	2.53629E-01
4	2.44325E-02	1.60074E-01	1.48273E-05	1.65749E-01	1.53925E-01	1.48273E-05	1.60074E-01	2.26919E-01
5	5.27688E-03	2.79956E-02	1.92659E-05	2.66027E-02	2.75983E-02	1.92659E-05	2.79956E-02	1.02516E-02
6	8.92674E-04	7.53684E-03	3.67827E-06	6.27261E-03	8.66667E-03	3.67827E-06	7.53684E-03	.00000E+00
7	7.60029E-04	4.74741E-03	1.70122E-07	4.62661E-03	4.61796E-03	1.70122E-07	4.74741E-03	2.68684E-03
8	6.25862E-04	7.33253E-03	2.74055E-07	6.60387E-03	7.72119E-03	2.74055E-07	7.33253E-03	3.41302E-03
9	3.00699E-04	6.02595E-03	7.71730E-07	5.23199E-03	6.32441E-03	7.71730E-07	6.02595E-03	3.17297E-03
10	5.05648E-04	5.12165E-03	1.02947E-06	4.43692E-03	5.44159E-03	1.02947E-06	5.12165E-03	3.24641E-03
11	7.57381E-04	4.89446E-03	8.95181E-07	4.17830E-03	5.19243E-03	8.95181E-07	4.89446E-03	4.26488E-03
12	6.69150E-04	4.51879E-03	9.14432E-07	3.84583E-03	4.67503E-03	9.14432E-07	4.51879E-03	5.74457E-03
13	6.51958E-04	4.70925E-03	8.10272E-07	4.00402E-03	4.98327E-03	8.10272E-07	4.70925E-03	5.99465E-03
14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 15 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	2.28389E-04	2.53425E-05	1.97593E-03	9.04117E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.33413E-01	2.53629E-01	2.90671E-01	7.22967E-05
4	2.92152E-02	2.26919E-01	1.60074E-01	1.48273E-05
5	2.64429E-02	1.02516E-02	2.79956E-02	1.92659E-05
6	1.47670E-02	.00000E+00	7.53684E-03	3.67827E-06
7	5.34633E-03	2.68684E-03	4.74741E-03	1.70122E-07
8	3.85461E-03	3.41302E-03	7.33253E-03	2.74055E-07
9	4.10924E-03	3.17297E-03	6.02595E-03	7.71730E-07
10	3.24639E-03	3.24641E-03	5.12165E-03	1.02947E-06
11	1.94567E-03	4.26488E-03	4.89446E-03	8.95181E-07
12	1.54697E-03	5.74457E-03	4.51879E-03	9.14432E-07
13	1.23938E-03	5.99465E-03	4.70925E-03	8.10272E-07
14	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 15 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 11

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.23081E-03	1.48553E-03	6.00609E-06	4.77907E-03	1.76347E-04	6.00609E-06	1.48553E-03	3.05971E-05

2	5.78931E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.69500E-02	3.00717E-01	6.98396E-05	2.95174E-01	2.99540E-01	6.98396E-05	3.00717E-01	2.44570E-01
4	2.40911E-02	1.74215E-01	1.38405E-05	1.70463E-01	1.73070E-01	1.38405E-05	1.74215E-01	2.28186E-01
5	5.74794E-03	4.77427E-02	1.72231E-05	4.84958E-02	4.57378E-02	1.72231E-05	4.77427E-02	1.50803E-02
6	4.08537E-03	8.96546E-03	1.83004E-05	4.36180E-03	1.32343E-02	1.83004E-05	8.96546E-03	.00000E+00
7	6.97854E-04	3.95032E-03	9.27425E-09	5.08197E-03	2.66006E-03	9.27425E-09	3.95032E-03	.00000E+00
8	5.97879E-04	5.82590E-03	1.93434E-07	6.16512E-03	5.40305E-03	1.93434E-07	5.82590E-03	4.24805E-03
9	6.04372E-04	7.17171E-03	4.16435E-07	6.29936E-03	7.56616E-03	4.16435E-07	7.17171E-03	3.82938E-03
10	3.02696E-04	5.53391E-03	7.35693E-07	4.90368E-03	5.73168E-03	7.35693E-07	5.53391E-03	3.51134E-03
11	6.56391E-04	5.15695E-03	1.09015E-06	4.47516E-03	5.42709E-03	1.09015E-06	5.15695E-03	3.57006E-03
12	7.37007E-04	4.88748E-03	7.70029E-07	4.19313E-03	5.13957E-03	7.70029E-07	4.88748E-03	5.05965E-03
13	6.92097E-04	4.48316E-03	8.70718E-07	3.84457E-03	4.58275E-03	8.70718E-07	4.48316E-03	6.35459E-03
14	6.54522E-04	4.98100E-03	8.04482E-07	4.28547E-03	5.20047E-03	8.04482E-07	4.98100E-03	6.71585E-03
15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 16 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.97372E-04	3.05971E-05	1.48553E-03	6.00609E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.27530E-01	2.44570E-01	3.00717E-01	6.98396E-05
4	2.22936E-02	2.28186E-01	1.74215E-01	1.38405E-05
5	3.19477E-02	1.50803E-02	4.77427E-02	1.72231E-05
6	3.12089E-02	.00000E+00	8.96546E-03	1.83004E-05
7	8.19436E-03	.00000E+00	3.95032E-03	9.27425E-09
8	4.85777E-03	4.24805E-03	5.82590E-03	1.93434E-07
9	3.65972E-03	3.82938E-03	7.17171E-03	4.16435E-07
10	4.30980E-03	3.51134E-03	5.53391E-03	7.35693E-07
11	2.56711E-03	3.57006E-03	5.15695E-03	1.09015E-06
12	1.74235E-03	5.05965E-03	4.88748E-03	7.70029E-07
13	1.44627E-03	6.35459E-03	4.48316E-03	8.70718E-07
14	1.10295E-03	6.71585E-03	4.98100E-03	8.04482E-07
15	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 16 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 12

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.26859E-03	1.19132E-03	4.82131E-06	3.74541E-03	1.76222E-04	4.82131E-06	1.19132E-03	2.82920E-05
2	5.80728E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.32902E-02	2.91438E-01	6.63398E-05	2.92704E-01	2.85061E-01	6.63398E-05	2.91438E-01	2.36355E-01
4	1.96558E-02	1.24997E-01	5.90316E-06	1.24681E-01	1.22141E-01	5.90316E-06	1.24997E-01	1.97127E-01
5	3.61486E-03	3.91202E-02	8.91805E-06	3.89087E-02	3.81031E-02	8.91805E-06	3.91202E-02	1.49794E-02
6	1.28148E-03	2.43829E-04	7.05217E-06	2.05736E-04	1.22741E-04	7.05217E-06	2.43829E-04	.00000E+00
7	5.07144E-04	5.09930E-03	5.65239E-06	2.48340E-03	7.57030E-03	5.65239E-06	5.09930E-03	.00000E+00
8	3.07976E-04	1.40796E-03	1.62097E-08	2.02043E-03	6.83493E-04	1.62097E-08	1.40796E-03	.00000E+00
9	2.47982E-04	2.98649E-03	6.52240E-08	2.99576E-03	2.95982E-03	6.52240E-08	2.98649E-03	2.04418E-03
10	2.37076E-04	2.76186E-03	2.24417E-07	2.47653E-03	2.82785E-03	2.24417E-07	2.76186E-03	1.75145E-03
11	1.25902E-04	2.28370E-03	2.94824E-07	2.00269E-03	2.39935E-03	2.94824E-07	2.28370E-03	1.53400E-03
12	3.19293E-04	2.14161E-03	4.54794E-07	1.86233E-03	2.24096E-03	4.54794E-07	2.14161E-03	1.57794E-03
13	2.90773E-04	2.01075E-03	2.84092E-07	1.73545E-03	2.09787E-03	2.84092E-07	2.01075E-03	2.32448E-03
14	2.95129E-04	1.84402E-03	3.37012E-07	1.59302E-03	1.87318E-03	3.37012E-07	1.84402E-03	2.78789E-03
15	2.76227E-04	2.13750E-03	3.28448E-07	1.85872E-03	2.21159E-03	3.28448E-07	2.13750E-03	2.96219E-03
16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 17 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.78389E-04	2.82920E-05	1.19132E-03	4.82131E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.29604E-01	2.36355E-01	2.91438E-01	6.63398E-05
4	8.75465E-03	1.97127E-01	1.24997E-01	5.90316E-06
5	1.52033E-02	1.49794E-02	3.91202E-02	8.91805E-06
6	9.39090E-03	.00000E+00	2.43829E-04	7.05217E-06
7	1.15783E-02	.00000E+00	5.09930E-03	5.65239E-06
8	2.83308E-03	.00000E+00	1.40796E-03	1.62097E-08

9	1.89390E-03	2.04418E-03	2.98649E-03	6.52240E-08
10	1.48545E-03	1.75145E-03	2.76186E-03	2.24417E-07
11	1.81892E-03	1.53400E-03	2.28370E-03	2.94824E-07
12	9.19889E-04	1.57794E-03	2.14161E-03	4.54794E-07
13	6.64863E-04	2.32448E-03	2.01075E-03	2.84092E-07
14	5.61942E-04	2.78789E-03	1.84402E-03	3.37012E-07
15	4.26155E-04	2.96219E-03	2.13750E-03	3.28448E-07
16	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 17 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 13

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.28050E-03	1.11122E-03	4.73111E-06	3.45597E-03	1.76274E-04	4.73111E-06	1.11122E-03	2.73735E-05
2	5.80885E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.94001E-02	2.35928E-01	6.30467E-05	2.66397E-01	2.16473E-01	6.30467E-05	2.35928E-01	2.60762E-01
4	1.37707E-02	4.07316E-02	1.26725E-06	5.06758E-02	3.40572E-02	1.26725E-06	4.07316E-02	1.24060E-01
5	2.27779E-03	2.12527E-02	2.35302E-06	2.24670E-02	2.01536E-02	2.35302E-06	2.12527E-02	2.71557E-02
6	3.83784E-04	3.67199E-03	1.54610E-06	3.61384E-03	3.59228E-03	1.54610E-06	3.67199E-03	.00000E+00
7	2.19137E-04	2.54367E-05	1.63181E-06	1.97517E-05	1.80007E-05	1.63181E-06	2.54367E-05	.00000E+00
8	5.62239E-05	1.11600E-03	7.45629E-07	5.42457E-04	1.65604E-03	7.45629E-07	1.11600E-03	.00000E+00
9	6.27943E-05	2.92415E-04	4.10172E-09	4.25281E-04	1.38844E-04	4.10172E-09	2.92415E-04	5.30808E-07
10	5.18017E-05	6.39553E-04	1.16354E-08	6.23629E-04	6.48998E-04	1.16354E-08	6.39553E-04	4.31502E-04
11	4.56343E-05	5.33467E-04	4.84913E-08	4.83165E-04	5.41263E-04	4.84913E-08	5.33467E-04	3.77989E-04
12	2.52797E-05	4.53895E-04	6.04929E-08	3.99748E-04	4.75555E-04	6.04929E-08	4.53895E-04	3.23962E-04
13	6.51340E-05	4.26281E-04	8.90954E-08	3.71921E-04	4.44934E-04	8.90954E-08	4.26281E-04	3.25116E-04
14	5.71904E-05	3.96664E-04	5.55347E-08	3.44353E-04	4.11606E-04	5.55347E-08	3.96664E-04	4.72808E-04
15	5.77876E-05	3.66101E-04	6.54205E-08	3.16828E-04	3.72103E-04	6.54205E-08	3.66101E-04	5.75348E-04
16	5.42666E-05	4.27305E-04	6.52283E-08	3.73477E-04	4.40660E-04	6.52283E-08	4.27305E-04	6.07944E-04
17	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 18 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.82263E-04	2.73735E-05	1.11122E-03	4.73111E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.27382E-01	2.60762E-01	2.35928E-01	6.30467E-05
4	1.72498E-03	1.24060E-01	4.07316E-02	1.26725E-06
5	3.50702E-03	2.71557E-02	2.12527E-02	2.35302E-06
6	2.68577E-03	.00000E+00	3.67199E-03	1.54610E-06
7	1.94373E-03	.00000E+00	2.54367E-05	1.63181E-06
8	2.05688E-03	.00000E+00	1.11600E-03	7.45629E-07
9	5.51831E-04	5.30808E-07	2.92415E-04	4.10172E-09
10	3.68799E-04	4.31502E-04	6.39553E-04	1.16354E-08
11	2.93617E-04	3.77989E-04	5.33467E-04	4.84913E-08
12	3.55987E-04	3.23962E-04	4.53895E-04	6.04929E-08
13	1.80054E-04	3.25116E-04	4.26281E-04	8.90954E-08
14	1.29393E-04	4.72808E-04	3.96664E-04	5.55347E-08
15	1.09712E-04	5.75348E-04	3.66101E-04	6.54205E-08
16	8.29838E-05	6.07944E-04	4.27305E-04	6.52283E-08
17	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 18 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 14

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.29421E-03	1.03377E-03	6.61091E-06	3.12516E-03	1.73167E-04	6.61091E-06	1.03377E-03	2.63339E-05
2	5.80817E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.34548E-02	2.74374E-01	7.29191E-05	2.88096E-01	2.58426E-01	7.29191E-05	2.74374E-01	2.40950E-01
4	2.09867E-02	1.21913E-01	8.74039E-06	1.29794E-01	1.13578E-01	8.74039E-06	1.21913E-01	2.14293E-01
5	1.04112E-02	9.66650E-02	1.37083E-05	1.13900E-01	8.69800E-02	1.37083E-05	9.66650E-02	1.36686E-01
6	4.20893E-03	6.10059E-02	1.28171E-05	6.50254E-02	5.61627E-02	1.28171E-05	6.10059E-02	1.20467E-02
7	1.94570E-03	5.32656E-03	8.71590E-06	5.11271E-03	4.61053E-03	8.71590E-06	5.32656E-03	.00000E+00
8	9.61550E-04	1.77400E-04	1.14647E-05	1.46072E-04	1.74336E-04	1.14647E-05	1.77400E-04	.00000E+00
9	3.02697E-04	7.81416E-03	1.57006E-06	3.77387E-03	1.15701E-02	1.57006E-06	7.81416E-03	.00000E+00
10	3.82947E-04	1.89572E-03	2.97948E-08	2.77586E-03	9.07370E-04	2.97948E-08	1.89572E-03	8.19884E-04

11	3.27830E-04	4.02902E-03	6.14939E-08	3.85893E-03	4.12239E-03	6.14939E-08	4.02902E-03	1.50255E-03
12	2.65492E-04	3.23989E-03	3.15018E-07	2.91498E-03	3.29551E-03	3.15018E-07	3.23989E-03	2.20228E-03
13	1.59808E-04	2.71832E-03	3.77774E-07	2.39610E-03	2.84530E-03	3.77774E-07	2.71832E-03	1.92291E-03
14	3.94550E-04	2.54765E-03	5.11879E-07	2.22740E-03	2.65269E-03	5.11879E-07	2.54765E-03	1.97517E-03
15	3.44188E-04	2.38712E-03	3.21990E-07	2.06347E-03	2.48337E-03	3.21990E-07	2.38712E-03	2.90696E-03
16	3.54194E-04	2.18202E-03	3.80447E-07	1.89758E-03	2.22085E-03	3.80447E-07	2.18202E-03	3.45888E-03
17	3.31786E-04	2.58371E-03	3.89179E-07	2.26498E-03	2.66641E-03	3.89179E-07	2.58371E-03	3.67003E-03
18	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 19 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.91206E-04	2.63339E-05	1.03377E-03	6.61091E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.34223E-01	2.40950E-01	2.74374E-01	7.29191E-05
4	1.10027E-02	2.14293E-01	1.21913E-01	8.74039E-06
5	1.96131E-02	1.36686E-01	9.66650E-02	1.37083E-05
6	1.94005E-02	1.20467E-02	6.10059E-02	1.28171E-05
7	1.43195E-02	.00000E+00	5.32656E-03	8.71590E-06
8	1.33851E-02	.00000E+00	1.77400E-04	1.14647E-05
9	9.99315E-03	.00000E+00	7.81416E-03	1.57006E-06
10	3.22345E-03	8.19884E-04	1.89572E-03	2.97948E-08
11	2.15341E-03	1.50255E-03	4.02902E-03	6.14939E-08
12	1.73731E-03	2.20228E-03	3.23989E-03	3.15018E-07
13	2.06789E-03	1.92291E-03	2.71832E-03	3.77774E-07
14	1.05019E-03	1.97517E-03	2.54765E-03	5.11879E-07
15	7.53526E-04	2.90696E-03	2.38712E-03	3.21990E-07
16	6.43424E-04	3.45888E-03	2.18202E-03	3.80447E-07
17	4.85139E-04	3.67003E-03	2.58371E-03	3.89179E-07
18	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 19 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 15

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.30261E-03	7.28279E-04	3.93249E-06	2.10820E-03	1.64542E-04	3.93249E-06	7.28279E-04	2.30367E-05
2	5.70801E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.99301E-02	2.79694E-01	8.02152E-05	2.76851E-01	2.77426E-01	8.02152E-05	2.79694E-01	2.04580E-01
4	2.77578E-02	1.75993E-01	2.60569E-05	1.79390E-01	1.69544E-01	2.60569E-05	1.75993E-01	1.96573E-01
5	7.02333E-03	7.71704E-02	3.71291E-05	8.63029E-02	6.61622E-02	3.71291E-05	7.71704E-02	2.66354E-02
6	1.43546E-03	2.44868E-02	2.93868E-05	2.97579E-02	1.91023E-02	2.93868E-05	2.44868E-02	.00000E+00
7	3.23087E-03	6.89260E-03	2.99134E-05	6.37849E-03	6.00877E-03	2.99134E-05	6.89260E-03	.00000E+00
8	2.70751E-03	5.78102E-04	2.92057E-05	4.81099E-04	6.07075E-04	2.92057E-05	5.78102E-04	.00000E+00
9	9.88210E-04	2.59328E-02	1.08566E-05	1.21839E-02	3.87392E-02	1.08566E-05	2.59328E-02	.00000E+00
10	1.09583E-03	1.82342E-02	.00000E+00	1.33661E-02	2.24432E-02	.00000E+00	1.82342E-02	.00000E+00
11	1.16480E-03	5.47664E-03	1.30612E-07	6.01088E-03	4.56748E-03	1.30612E-07	5.47664E-03	3.65452E-03
12	1.00762E-03	1.22076E-02	1.27245E-07	1.17552E-02	1.23345E-02	1.27245E-07	1.22076E-02	4.95111E-03
13	7.06712E-04	9.46250E-03	1.07785E-06	8.46621E-03	9.80220E-03	1.07785E-06	9.46250E-03	6.59840E-03
14	6.19267E-04	7.92912E-03	1.25564E-06	7.00567E-03	8.25237E-03	1.25564E-06	7.92912E-03	5.80494E-03
15	1.19239E-03	7.43075E-03	1.30135E-06	6.51248E-03	7.70071E-03	1.30135E-06	7.43075E-03	6.08241E-03
16	1.01432E-03	6.94587E-03	8.82127E-07	6.02057E-03	7.18966E-03	8.82127E-07	6.94587E-03	9.40404E-03
17	1.06189E-03	6.35705E-03	9.87222E-07	5.54239E-03	6.49986E-03	9.87222E-07	6.35705E-03	1.05175E-02
18	9.94968E-04	7.72570E-03	1.11523E-06	6.82588E-03	8.03808E-03	1.11523E-06	7.72570E-03	1.12024E-02
19	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 20 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	2.49739E-04	2.30367E-05	7.28279E-04	3.93249E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.58546E-01	2.04580E-01	2.79694E-01	8.02152E-05
4	3.64299E-02	1.96573E-01	1.75993E-01	2.60569E-05
5	4.92173E-02	2.66354E-02	7.71704E-02	3.71291E-05
6	4.32987E-02	.00000E+00	2.44868E-02	2.93868E-05
7	4.29560E-02	.00000E+00	6.89260E-03	2.99134E-05
8	4.22165E-02	.00000E+00	5.78102E-04	2.92057E-05

9	4.24434E-02	.00000E+00	2.59328E-02	1.08566E-05
10	1.44956E-02	.00000E+00	1.82342E-02	.00000E+00
11	8.78190E-03	3.65452E-03	5.47664E-03	1.30612E-07
12	5.85148E-03	4.95111E-03	1.22076E-02	1.27245E-07
13	4.95658E-03	6.59840E-03	9.46250E-03	1.07785E-06
14	5.00383E-03	5.80494E-03	7.92912E-03	1.25564E-06
15	2.83838E-03	6.08241E-03	7.43075E-03	1.30135E-06
16	2.02226E-03	9.40404E-03	6.94587E-03	8.82127E-07
17	1.72300E-03	1.05175E-02	6.35705E-03	9.87222E-07
18	1.33656E-03	1.12024E-02	7.72570E-03	1.11523E-06
19	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 20 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 16

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.14893E-03	5.12099E-04	4.63459E-06	1.28627E-03	1.61531E-04	4.63459E-06	5.12099E-04	1.91987E-05
2	5.11527E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.34633E-02	2.54239E-01	1.04530E-04	2.70183E-01	2.38021E-01	1.04530E-04	2.54239E-01	2.07939E-01
4	2.93119E-02	1.59611E-01	3.07631E-05	1.75103E-01	1.45448E-01	3.07631E-05	1.59611E-01	1.95603E-01
5	8.09569E-03	2.95819E-02	3.70034E-05	2.93284E-02	2.78652E-02	3.70034E-05	2.95819E-02	7.98340E-03
6	1.96191E-03	3.97429E-04	2.04395E-05	3.53088E-04	5.60151E-04	2.04395E-05	3.97429E-04	.00000E+00
7	2.50223E-04	3.65690E-04	1.39523E-05	4.17059E-04	5.38578E-04	1.39523E-05	3.65690E-04	.00000E+00
8	3.80519E-04	3.34987E-04	1.05333E-05	5.01851E-04	4.74594E-04	1.05333E-05	3.34987E-04	.00000E+00
9	7.77181E-04	2.72402E-02	1.58340E-06	1.27233E-02	4.04136E-02	1.58340E-06	2.72402E-02	.00000E+00
10	1.58926E-03	2.13154E-02	.00000E+00	1.06064E-02	3.11715E-02	.00000E+00	2.13154E-02	.00000E+00
11	9.00139E-04	5.92714E-03	.00000E+00	1.17673E-02	9.84376E-05	.00000E+00	5.92714E-03	.00000E+00
12	1.08051E-03	7.05139E-03	1.68090E-07	6.99541E-03	6.85631E-03	1.68090E-07	7.05139E-03	4.28038E-03
13	9.62274E-04	1.10978E-02	1.85573E-07	1.00221E-02	1.14719E-02	1.85573E-07	1.10978E-02	6.81681E-03
14	6.47994E-04	8.75182E-03	8.47933E-07	7.62505E-03	9.16081E-03	8.47933E-07	8.75182E-03	5.81352E-03
15	7.90522E-04	7.41916E-03	1.40728E-06	6.59867E-03	7.63705E-03	1.40728E-06	7.41916E-03	5.92140E-03
16	1.19259E-03	6.93541E-03	9.46216E-07	6.12217E-03	7.13234E-03	9.46216E-07	6.93541E-03	6.37504E-03
17	1.02392E-03	6.46435E-03	8.11423E-07	5.64156E-03	6.62028E-03	8.11423E-07	6.46435E-03	9.86230E-03
18	1.06642E-03	6.01566E-03	7.60406E-07	5.25038E-03	6.18234E-03	7.60406E-07	6.01566E-03	1.06897E-02
19	1.00773E-03	7.70427E-03	1.00171E-06	6.95024E-03	7.91778E-03	1.00171E-06	7.70427E-03	1.12308E-02
20	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 21 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	2.86790E-04	1.91987E-05	5.12099E-04	4.63459E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.80181E-01	2.07939E-01	2.54239E-01	1.04530E-04
4	3.37641E-02	1.95603E-01	1.59611E-01	3.07631E-05
5	5.23258E-02	7.98340E-03	2.95819E-02	3.70034E-05
6	4.30684E-02	.00000E+00	3.97429E-04	2.04395E-05
7	3.96018E-02	.00000E+00	3.65690E-04	1.39523E-05
8	3.65527E-02	.00000E+00	3.34987E-04	1.05333E-05
9	2.50386E-02	.00000E+00	2.72402E-02	1.58340E-06
10	1.45699E-02	.00000E+00	2.13154E-02	.00000E+00
11	1.16239E-02	.00000E+00	5.92714E-03	.00000E+00
12	7.59817E-03	4.28038E-03	7.05139E-03	1.68090E-07
13	5.00294E-03	6.81681E-03	1.10978E-02	1.85573E-07
14	4.78684E-03	5.81352E-03	8.75182E-03	8.47933E-07
15	3.47633E-03	5.92140E-03	7.41916E-03	1.40728E-06
16	2.42927E-03	6.37504E-03	6.93541E-03	9.46216E-07
17	1.72106E-03	9.86230E-03	6.46435E-03	8.11423E-07
18	1.44136E-03	1.06897E-02	6.01566E-03	7.60406E-07
19	1.17387E-03	1.12308E-02	7.70427E-03	1.00171E-06
20	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 21 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 17

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	1.60761E-03	4.19818E-04	5.01013E-06	8.89888E-04	1.68049E-04	5.01013E-06	4.19818E-04	1.60800E-05

2	3.52706E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.61772E-02	2.63377E-01	1.15337E-04	2.79294E-01	2.47695E-01	1.15337E-04	2.63377E-01	1.71007E-01
4	3.40610E-02	1.80262E-01	4.70671E-05	2.04611E-01	1.58085E-01	4.70671E-05	1.80262E-01	1.64640E-01
5	1.20838E-02	3.74020E-02	5.98408E-05	4.15881E-02	3.17444E-02	5.98408E-05	3.74020E-02	1.23176E-02
6	1.55125E-03	1.10530E-03	1.32209E-05	9.49950E-04	1.40141E-03	1.32209E-05	1.10530E-03	.00000E+00
7	8.55177E-04	3.50330E-02	.00000E+00	1.63011E-02	5.17534E-02	.00000E+00	3.50330E-02	.00000E+00
8	1.97082E-03	4.88890E-02	.00000E+00	2.26776E-02	7.23207E-02	.00000E+00	4.88890E-02	.00000E+00
9	2.19883E-03	5.14844E-02	.00000E+00	2.41756E-02	7.60444E-02	.00000E+00	5.14844E-02	.00000E+00
10	2.16608E-03	2.27880E-02	.00000E+00	1.14917E-02	3.31545E-02	.00000E+00	2.27880E-02	.00000E+00
11	9.65274E-04	8.54741E-03	.00000E+00	1.69055E-02	1.68284E-04	.00000E+00	8.54741E-03	.00000E+00
12	1.66781E-03	7.84404E-03	.00000E+00	1.36737E-02	2.06626E-03	.00000E+00	7.84404E-03	.00000E+00
13	1.25097E-03	1.12556E-02	1.87061E-07	1.15182E-02	1.08513E-02	1.87061E-07	1.12556E-02	7.56738E-03
14	1.18879E-03	1.24562E-02	3.73368E-07	1.13154E-02	1.26824E-02	3.73368E-07	1.24562E-02	8.77818E-03
15	7.70043E-04	1.04421E-02	6.97802E-07	9.48874E-03	1.07255E-02	6.97802E-07	1.04421E-02	7.70495E-03
16	1.30983E-03	8.78671E-03	1.89613E-06	7.85727E-03	8.97397E-03	1.89613E-06	8.78671E-03	7.49380E-03
17	1.48255E-03	8.18076E-03	7.34378E-07	7.26130E-03	8.36510E-03	7.34378E-07	8.18076E-03	8.77389E-03
18	1.40644E-03	7.63263E-03	9.10930E-07	6.73186E-03	7.73134E-03	9.10930E-07	7.63263E-03	1.25954E-02
19	1.43746E-03	7.59970E-03	8.06488E-07	6.66659E-03	7.76431E-03	8.06488E-07	7.59970E-03	1.35808E-02
20	1.33717E-03	1.00232E-02	1.14970E-06	9.22535E-03	1.01706E-02	1.14970E-06	1.00232E-02	1.41377E-02
21	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 22 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.67579E-04	1.60800E-05	4.19818E-04	5.01013E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.10700E-01	1.71007E-01	2.63377E-01	1.15337E-04
4	4.94817E-02	1.64640E-01	1.80262E-01	4.70671E-05
5	7.74613E-02	1.23176E-02	3.74020E-02	5.98408E-05
6	4.67290E-02	.00000E+00	1.10530E-03	1.32209E-05
7	2.55199E-02	.00000E+00	3.50330E-02	.00000E+00
8	2.23408E-02	.00000E+00	4.88890E-02	.00000E+00
9	2.13813E-02	.00000E+00	5.14844E-02	.00000E+00
10	1.90230E-02	.00000E+00	2.27880E-02	.00000E+00
11	1.62606E-02	.00000E+00	8.54741E-03	.00000E+00
12	1.30451E-02	.00000E+00	7.84404E-03	.00000E+00
13	8.52393E-03	7.56738E-03	1.12556E-02	1.87061E-07
14	5.67688E-03	8.77818E-03	1.24562E-02	3.73368E-07
15	6.04031E-03	7.70495E-03	1.04421E-02	6.97802E-07
16	3.49629E-03	7.49380E-03	8.78671E-03	1.89613E-06
17	2.62186E-03	8.77389E-03	8.18076E-03	7.34378E-07
18	1.95970E-03	1.25954E-02	7.63263E-03	9.10930E-07
19	1.62121E-03	1.35808E-02	7.59970E-03	8.06488E-07
20	1.34026E-03	1.41377E-02	1.00232E-02	1.14970E-06
21	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 22 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 18

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	7.57702E-04	3.51871E-04	1.31561E-06	6.56694E-04	1.97032E-04	1.31561E-06	3.51871E-04	1.25703E-05
2	1.00270E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.06481E-02	2.44421E-01	1.18486E-04	2.66437E-01	2.26498E-01	1.18486E-04	2.44421E-01	1.69513E-01
4	4.96638E-02	2.02351E-01	6.56357E-05	2.34638E-01	1.75325E-01	6.56357E-05	2.02351E-01	1.66408E-01
5	1.25603E-02	3.49658E-02	6.32603E-05	4.20704E-02	2.78529E-02	6.32603E-05	3.49658E-02	6.35162E-03
6	1.32957E-03	3.17079E-03	9.29002E-06	2.01348E-03	4.20520E-03	9.29002E-06	3.17079E-03	.00000E+00
7	2.93479E-03	5.21554E-02	.00000E+00	2.47943E-02	7.67681E-02	.00000E+00	5.21554E-02	.00000E+00
8	3.51459E-03	1.67552E-02	.00000E+00	9.04123E-03	2.38636E-02	.00000E+00	1.67552E-02	.00000E+00
9	2.17837E-03	9.74013E-04	.00000E+00	1.76238E-03	2.42226E-04	.00000E+00	9.74013E-04	.00000E+00
10	1.68216E-03	1.22381E-03	.00000E+00	1.87983E-03	2.35134E-04	.00000E+00	1.22381E-03	.00000E+00
11	1.70218E-03	1.64549E-02	.00000E+00	3.39437E-02	1.97954E-04	.00000E+00	1.64549E-02	.00000E+00
12	2.46477E-03	1.07642E-02	.00000E+00	2.24940E-02	1.32277E-04	.00000E+00	1.07642E-02	.00000E+00
13	2.74475E-03	5.79771E-03	4.49593E-08	4.52300E-03	6.21439E-03	4.49593E-08	5.79771E-03	9.02397E-04
14	1.53539E-03	1.77349E-02	1.38810E-07	1.78054E-02	1.75529E-02	1.38810E-07	1.77349E-02	1.09969E-02

15	1.40031E-03	1.35303E-02	6.37446E-07	1.23813E-02	1.37966E-02	6.37446E-07	1.35303E-02	1.26508E-02
16	9.58132E-04	1.15249E-02	7.94905E-07	1.05395E-02	1.16541E-02	7.94905E-07	1.15249E-02	1.03212E-02
17	2.22387E-03	1.04038E-02	2.11427E-06	9.35352E-03	1.05920E-02	2.11427E-06	1.04038E-02	9.98668E-03
18	2.10815E-03	9.62887E-03	6.41565E-07	8.59976E-03	9.82499E-03	6.41565E-07	9.62887E-03	1.32189E-02
19	2.11525E-03	9.00727E-03	1.07752E-06	8.03091E-03	9.02325E-03	1.07752E-06	9.00727E-03	1.69110E-02
20	2.05807E-03	1.01536E-02	8.52463E-07	9.01937E-03	1.02927E-02	8.52463E-07	1.01536E-02	1.81499E-02
21	1.90841E-03	1.36998E-02	1.33076E-06	1.26483E-02	1.39326E-02	1.33076E-06	1.36998E-02	1.85923E-02
22	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 23 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.15755E-04	1.25703E-05	3.51871E-04	1.31561E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.65829E-01	1.69513E-01	2.44421E-01	1.18486E-04
4	9.24113E-02	1.66408E-01	2.02351E-01	6.56357E-05
5	1.06633E-01	6.35162E-03	3.49658E-02	6.32603E-05
6	5.17280E-02	.00000E+00	3.17079E-03	9.29002E-06
7	3.17260E-02	.00000E+00	5.21554E-02	.00000E+00
8	2.71611E-02	.00000E+00	1.67552E-02	.00000E+00
9	2.59698E-02	.00000E+00	9.74013E-04	.00000E+00
10	2.49989E-02	.00000E+00	1.22381E-03	.00000E+00
11	2.23217E-02	.00000E+00	1.64549E-02	.00000E+00
12	1.90823E-02	.00000E+00	1.07642E-02	.00000E+00
13	1.53318E-02	9.02397E-04	5.79771E-03	4.49593E-08
14	9.97956E-03	1.09969E-02	1.77349E-02	1.38810E-07
15	7.29837E-03	1.26508E-02	1.35303E-02	6.37446E-07
16	6.53979E-03	1.03212E-02	1.15249E-02	7.94905E-07
17	4.25625E-03	9.98668E-03	1.04038E-02	2.11427E-06
18	2.97506E-03	1.32189E-02	9.62887E-03	6.41565E-07
19	2.39931E-03	1.69110E-02	9.00727E-03	1.07752E-06
20	1.94334E-03	1.81499E-02	1.01536E-02	8.52463E-07
21	1.68843E-03	1.85923E-02	1.36998E-02	1.33076E-06
22	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 23 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 19

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	7.09057E-04	4.40945E-04	5.32962E-07	5.86500E-04	3.80976E-04	5.32962E-07	4.40945E-04	4.16524E-05
2	6.53239E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.31997E-02	2.39671E-01	9.72401E-05	2.65814E-01	2.13426E-01	9.72401E-05	2.39671E-01	1.75320E-01
4	4.70117E-02	1.78880E-01	3.42719E-05	2.05051E-01	1.52402E-01	3.42719E-05	1.78880E-01	1.60641E-01
5	1.32267E-02	1.71163E-02	4.64928E-05	1.83078E-02	1.57535E-02	4.64928E-05	1.71163E-02	3.09178E-03
6	3.84245E-04	2.26361E-04	.00000E+00	4.06622E-04	1.56712E-05	.00000E+00	2.26361E-04	.00000E+00
7	1.56647E-03	2.67525E-02	.00000E+00	1.26172E-02	3.93972E-02	.00000E+00	2.67525E-02	.00000E+00
8	1.76702E-03	1.17076E-03	.00000E+00	1.24564E-03	1.11700E-03	.00000E+00	1.17076E-03	.00000E+00
9	8.95048E-04	5.70836E-03	.00000E+00	1.08480E-02	1.54549E-04	.00000E+00	5.70836E-03	.00000E+00
10	1.16239E-03	1.60853E-02	.00000E+00	3.31943E-02	8.58296E-05	.00000E+00	1.60853E-02	.00000E+00
11	1.37602E-03	1.88269E-02	.00000E+00	4.00371E-02	6.08006E-05	.00000E+00	1.88269E-02	.00000E+00
12	1.47187E-03	3.64935E-03	.00000E+00	7.96259E-03	4.80772E-05	.00000E+00	3.64935E-03	.00000E+00
13	1.60449E-03	1.46686E-03	.00000E+00	1.15063E-03	1.33573E-03	.00000E+00	1.46686E-03	.00000E+00
14	1.40671E-03	4.98068E-03	6.85031E-08	4.24632E-03	5.36770E-03	6.85031E-08	4.98068E-03	4.54498E-03
15	1.01016E-03	9.59976E-03	2.78986E-08	9.55041E-03	9.64579E-03	2.78986E-08	9.59976E-03	5.11640E-03
16	7.18920E-04	6.66731E-03	3.33045E-07	6.22499E-03	6.94915E-03	3.33045E-07	6.66731E-03	5.60303E-03
17	5.58684E-04	5.64219E-03	5.64191E-07	5.12618E-03	5.79846E-03	5.64191E-07	5.64219E-03	5.79175E-03
18	1.45009E-03	5.13098E-03	8.19918E-07	4.61931E-03	5.23558E-03	8.19918E-07	5.13098E-03	5.64493E-03
19	1.29365E-03	4.74556E-03	2.81863E-07	4.24989E-03	4.84103E-03	2.81863E-07	4.74556E-03	8.29584E-03
20	1.32163E-03	4.51015E-03	4.97747E-07	4.05055E-03	4.44128E-03	4.97747E-07	4.51015E-03	9.66402E-03
21	1.25213E-03	5.84490E-03	4.04210E-07	5.16511E-03	5.96994E-03	4.04210E-07	5.84490E-03	1.01860E-02
22	1.15469E-03	7.67854E-03	6.51400E-07	7.06045E-03	7.84425E-03	6.51400E-07	7.67854E-03	1.03344E-02
23	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 24 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12

1	1.36777E-04	4.16524E-05	4.40945E-04	5.32962E-07
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.12906E-01	1.75320E-01	2.39671E-01	9.72401E-05
4	6.08065E-02	1.60641E-01	1.78880E-01	3.42719E-05
5	8.41589E-02	3.09178E-03	1.71163E-02	4.64928E-05
6	2.86042E-02	.00000E+00	2.26361E-04	.00000E+00
7	2.11283E-02	.00000E+00	2.67525E-02	.00000E+00
8	1.64568E-02	.00000E+00	1.17076E-03	.00000E+00
9	1.40966E-02	.00000E+00	5.70836E-03	.00000E+00
10	1.34795E-02	.00000E+00	1.60853E-02	.00000E+00
11	1.29760E-02	.00000E+00	1.88269E-02	.00000E+00
12	1.15891E-02	.00000E+00	3.64935E-03	.00000E+00
13	9.91038E-03	.00000E+00	1.46686E-03	.00000E+00
14	7.97336E-03	4.54498E-03	4.98068E-03	6.85031E-08
15	5.17084E-03	5.11640E-03	9.59976E-03	2.78986E-08
16	4.03228E-03	5.60303E-03	6.66731E-03	3.33045E-07
17	3.11770E-03	5.79175E-03	5.64219E-03	5.64191E-07
18	2.16277E-03	5.64493E-03	5.13098E-03	8.19918E-07
19	1.49684E-03	8.29584E-03	4.74556E-03	2.81863E-07
20	1.29576E-03	9.66402E-03	4.51015E-03	4.97747E-07
21	1.07764E-03	1.01860E-02	5.84490E-03	4.04210E-07
22	9.73187E-04	1.03344E-02	7.67854E-03	6.51400E-07
23	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 24 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 20

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	6.55736E-04	6.24829E-04	7.25958E-07	6.70052E-04	6.46990E-04	7.25958E-07	6.24829E-04	5.95077E-05
2	5.30373E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	6.55803E-02	3.36588E-01	1.05771E-04	3.14703E-01	3.48130E-01	1.05771E-04	3.36588E-01	1.76854E-01
4	3.89414E-02	2.25670E-01	2.27581E-05	2.11595E-01	2.35903E-01	2.27581E-05	2.25670E-01	1.64132E-01
5	1.67278E-02	5.02958E-02	3.63149E-05	5.47518E-02	4.67668E-02	3.63149E-05	5.02958E-02	1.46379E-02
6	1.65762E-03	1.04896E-04	5.04267E-06	1.05837E-04	1.19569E-04	5.04267E-06	1.04896E-04	.00000E+00
7	4.14579E-04	2.68388E-03	.00000E+00	1.40041E-03	3.83151E-03	.00000E+00	2.68388E-03	.00000E+00
8	1.23194E-03	1.08541E-02	.00000E+00	5.40444E-03	1.58800E-02	.00000E+00	1.08541E-02	.00000E+00
9	5.46304E-04	7.68568E-04	.00000E+00	1.27701E-03	4.42120E-05	.00000E+00	7.68568E-04	.00000E+00
10	5.22937E-04	1.10041E-02	.00000E+00	2.37413E-02	1.77691E-05	.00000E+00	1.10041E-02	.00000E+00
11	8.70884E-04	3.23980E-03	.00000E+00	7.68133E-03	5.74486E-05	.00000E+00	3.23980E-03	.00000E+00
12	6.45214E-04	2.69574E-04	.00000E+00	6.03877E-04	3.19806E-05	.00000E+00	2.69574E-04	.00000E+00
13	8.88807E-04	1.92466E-04	.00000E+00	2.31254E-04	3.50579E-05	.00000E+00	1.92466E-04	.00000E+00
14	7.62164E-04	1.68824E-03	.00000E+00	9.90303E-04	2.25414E-03	.00000E+00	1.68824E-03	.00000E+00
15	4.24922E-04	1.83398E-03	4.10159E-08	2.16072E-03	1.42042E-03	4.10159E-08	1.83398E-03	2.07464E-03
16	4.64110E-04	3.98721E-03	2.30630E-08	3.88957E-03	4.05021E-03	2.30630E-08	3.98721E-03	2.55015E-03
17	3.20467E-04	2.85000E-03	1.25850E-07	2.55970E-03	2.93851E-03	1.25850E-07	2.85000E-03	2.19938E-03
18	2.57308E-04	2.31094E-03	2.76215E-07	2.10087E-03	2.37455E-03	2.76215E-07	2.31094E-03	2.53306E-03
19	6.59175E-04	2.11015E-03	2.49535E-07	1.89753E-03	2.15922E-03	2.49535E-07	2.11015E-03	2.54286E-03
20	6.04341E-04	1.95669E-03	1.16820E-07	1.75549E-03	1.98840E-03	1.16820E-07	1.95669E-03	3.87260E-03
21	6.16477E-04	1.88820E-03	1.96770E-07	1.70132E-03	1.83686E-03	1.96770E-07	1.88820E-03	4.24046E-03
22	5.75137E-04	2.61041E-03	1.66934E-07	2.29821E-03	2.68633E-03	1.66934E-07	2.61041E-03	4.45953E-03
23	5.28945E-04	3.36201E-03	2.64955E-07	3.08256E-03	3.44419E-03	2.64955E-07	3.36201E-03	4.50638E-03
24	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 25 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.68223E-04	5.95077E-05	6.24829E-04	7.25958E-07
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.31998E-01	1.76854E-01	3.36588E-01	1.05771E-04
4	3.69565E-02	1.64132E-01	2.25670E-01	2.27581E-05
5	6.46692E-02	1.46379E-02	5.02958E-02	3.63149E-05
6	2.34831E-02	.00000E+00	1.04896E-04	5.04267E-06
7	1.19347E-02	.00000E+00	2.68388E-03	.00000E+00
8	9.08909E-03	.00000E+00	1.08541E-02	.00000E+00

9	7.07781E-03	.00000E+00	7.68568E-04	.00000E+00
10	6.06460E-03	.00000E+00	1.10041E-02	.00000E+00
11	5.79944E-03	.00000E+00	3.23980E-03	.00000E+00
12	5.58316E-03	.00000E+00	2.69574E-04	.00000E+00
13	4.98668E-03	.00000E+00	1.92466E-04	.00000E+00
14	4.26515E-03	.00000E+00	1.68824E-03	.00000E+00
15	3.43371E-03	2.07464E-03	1.83398E-03	4.10159E-08
16	2.22346E-03	2.55015E-03	3.98721E-03	2.30630E-08
17	1.78524E-03	2.19938E-03	2.85000E-03	1.25850E-07
18	1.19980E-03	2.53306E-03	2.31094E-03	2.76215E-07
19	8.98596E-04	2.54286E-03	2.11015E-03	2.49535E-07
20	6.34207E-04	3.87260E-03	1.95669E-03	1.16820E-07
21	5.74209E-04	4.24046E-03	1.88820E-03	1.96770E-07
22	4.88835E-04	4.45953E-03	2.61041E-03	1.66934E-07
23	4.46348E-04	4.50638E-03	3.36201E-03	2.64955E-07
24	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 25 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 21

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	6.21616E-04	6.16420E-04	5.20191E-06	6.58763E-04	5.63104E-04	5.20191E-06	6.16420E-04	1.04063E-04
2	4.59594E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.01454E-02	2.39065E-01	1.16095E-04	2.79991E-01	2.07539E-01	1.16095E-04	2.39065E-01	1.72723E-01
4	5.09777E-02	1.98848E-01	4.60167E-05	2.23706E-01	1.81984E-01	4.60167E-05	1.98848E-01	1.62756E-01
5	2.39379E-02	1.09541E-01	7.27834E-05	1.01557E-01	1.10959E-01	7.27834E-05	1.09541E-01	1.26610E-02
6	6.86667E-03	1.06650E-03	2.61194E-05	7.45812E-04	1.19281E-03	2.61194E-05	1.06650E-03	.00000E+00
7	1.32314E-04	1.45651E-04	.00000E+00	2.12520E-04	8.37962E-06	.00000E+00	1.45651E-04	.00000E+00
8	1.27993E-03	1.85871E-02	.00000E+00	8.77346E-03	2.73656E-02	.00000E+00	1.85871E-02	.00000E+00
9	2.13179E-03	1.00838E-03	.00000E+00	1.20925E-03	9.93570E-04	.00000E+00	1.00838E-03	.00000E+00
10	8.92492E-04	7.71128E-03	.00000E+00	1.60249E-02	7.83305E-05	.00000E+00	7.71128E-03	.00000E+00
11	1.09758E-03	2.82220E-03	.00000E+00	6.43569E-03	5.92253E-05	.00000E+00	2.82220E-03	.00000E+00
12	3.77243E-04	2.23413E-04	.00000E+00	3.44880E-04	1.66226E-05	.00000E+00	2.23413E-04	.00000E+00
13	1.40200E-03	2.48421E-04	.00000E+00	2.80532E-04	2.53532E-05	.00000E+00	2.48421E-04	.00000E+00
14	1.44119E-03	5.05784E-04	.00000E+00	5.46986E-04	1.68552E-04	.00000E+00	5.05784E-04	.00000E+00
15	1.36042E-03	2.93365E-03	1.00738E-09	1.71825E-03	3.91442E-03	1.00738E-09	2.93365E-03	.00000E+00
16	6.81821E-04	4.02605E-03	8.06207E-08	4.96935E-03	3.13798E-03	8.06207E-08	4.02605E-03	4.07583E-03
17	8.02860E-04	6.83876E-03	7.80750E-08	6.34383E-03	7.05570E-03	7.80750E-08	6.83876E-03	4.48493E-03
18	5.58243E-04	4.47613E-03	1.86442E-07	3.92970E-03	4.64894E-03	1.86442E-07	4.47613E-03	4.20549E-03
19	4.97334E-04	3.74877E-03	4.65236E-07	3.38912E-03	3.86680E-03	4.65236E-07	3.74877E-03	4.34802E-03
20	1.17814E-03	3.38347E-03	3.06316E-07	3.03694E-03	3.46980E-03	3.06316E-07	3.38347E-03	4.40971E-03
21	1.13196E-03	3.16673E-03	1.97337E-07	2.83833E-03	3.20728E-03	1.97337E-07	3.16673E-03	7.03323E-03
22	1.14083E-03	3.09868E-03	3.23032E-07	2.82932E-03	2.94524E-03	3.23032E-07	3.09868E-03	7.34369E-03
23	1.06110E-03	4.47254E-03	2.72715E-07	3.90936E-03	4.68585E-03	2.72715E-07	4.47254E-03	7.64359E-03
24	9.74452E-04	5.75345E-03	4.32367E-07	5.27890E-03	5.88824E-03	4.32367E-07	5.75345E-03	7.70132E-03
25	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 26 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	2.29078E-04	1.04063E-04	6.16420E-04	5.20191E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.67334E-01	1.72723E-01	2.39065E-01	1.16095E-04
4	7.17476E-02	1.62756E-01	1.98848E-01	4.60167E-05
5	1.25450E-01	1.26610E-02	1.09541E-01	7.27834E-05
6	8.24135E-02	.00000E+00	1.06650E-03	2.61194E-05
7	3.02547E-02	.00000E+00	1.45651E-04	.00000E+00
8	2.05891E-02	.00000E+00	1.85871E-02	.00000E+00
9	1.56794E-02	.00000E+00	1.00838E-03	.00000E+00
10	1.22089E-02	.00000E+00	7.71128E-03	.00000E+00
11	1.04639E-02	.00000E+00	2.82220E-03	.00000E+00
12	1.00066E-02	.00000E+00	2.23413E-04	.00000E+00
13	9.63352E-03	.00000E+00	2.48421E-04	.00000E+00
14	8.60470E-03	.00000E+00	5.05784E-04	.00000E+00

15	7.36308E-03	.00000E+00	2.93365E-03	1.00738E-09
16	5.92059E-03	4.07583E-03	4.02605E-03	8.06207E-08
17	3.83778E-03	4.48493E-03	6.83876E-03	7.80750E-08
18	3.09338E-03	4.20549E-03	4.47613E-03	1.86442E-07
19	1.93763E-03	4.34802E-03	3.74877E-03	4.65236E-07
20	1.49650E-03	4.40971E-03	3.38347E-03	3.06316E-07
21	1.09099E-03	7.03323E-03	3.16673E-03	1.97337E-07
22	1.01601E-03	7.34369E-03	3.09868E-03	3.23032E-07
23	8.84733E-04	7.64359E-03	4.47254E-03	2.72715E-07
24	8.12153E-04	7.70132E-03	5.75345E-03	4.32367E-07
25	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 26 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 22

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	5.80537E-04	4.82173E-04	7.47116E-07	6.17764E-04	4.16490E-04	7.47116E-07	4.82173E-04	5.59676E-05
2	4.03051E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.74867E-02	2.57399E-01	1.20655E-04	2.71821E-01	2.44850E-01	1.20655E-04	2.57399E-01	1.56874E-01
4	5.88666E-02	2.10388E-01	5.32065E-05	2.22657E-01	1.98807E-01	5.32065E-05	2.10388E-01	1.54924E-01
5	1.75509E-02	3.89316E-02	5.99665E-05	5.50197E-02	2.45079E-02	5.99665E-05	3.89316E-02	9.86098E-03
6	1.16893E-03	4.20823E-04	9.50028E-06	3.12936E-04	6.22220E-04	9.50028E-06	4.20823E-04	.00000E+00
7	1.08573E-04	7.09212E-05	.00000E+00	8.93804E-05	2.43444E-05	.00000E+00	7.09212E-05	.00000E+00
8	5.55973E-04	1.49746E-04	.00000E+00	2.92028E-04	1.79646E-05	.00000E+00	1.49746E-04	.00000E+00
9	1.54493E-03	1.69431E-02	.00000E+00	8.15132E-03	2.48794E-02	.00000E+00	1.69431E-02	.00000E+00
10	1.02686E-03	2.58816E-04	.00000E+00	3.46227E-04	3.22004E-05	.00000E+00	2.58816E-04	.00000E+00
11	8.81571E-04	6.40216E-03	.00000E+00	1.36680E-02	3.98706E-05	.00000E+00	6.40216E-03	.00000E+00
12	1.15596E-03	1.75181E-04	.00000E+00	2.06766E-04	9.04883E-06	.00000E+00	1.75181E-04	.00000E+00
13	1.73273E-03	3.55124E-04	.00000E+00	3.31318E-04	7.58434E-05	.00000E+00	3.55124E-04	.00000E+00
14	1.44909E-03	5.67325E-04	.00000E+00	5.74699E-04	1.58029E-04	.00000E+00	5.67325E-04	.00000E+00
15	9.04677E-04	1.59165E-03	.00000E+00	1.05292E-03	1.97443E-03	.00000E+00	1.59165E-03	.00000E+00
16	9.62073E-04	1.28614E-03	2.37845E-08	1.26823E-03	8.73780E-04	2.37845E-08	1.28614E-03	.00000E+00
17	4.96363E-04	4.45822E-03	5.79409E-08	5.14052E-03	4.13052E-03	5.79409E-08	4.45822E-03	3.93496E-03
18	6.97394E-04	4.58325E-03	9.95789E-08	4.16581E-03	4.72554E-03	9.95789E-08	4.58325E-03	3.85347E-03
19	4.51433E-04	3.48112E-03	1.16809E-07	3.12026E-03	3.74271E-03	1.16809E-07	3.48112E-03	3.52454E-03
20	4.48154E-04	2.82284E-03	3.07151E-07	2.55617E-03	2.91025E-03	3.07151E-07	2.82284E-03	3.43117E-03
21	9.83569E-04	2.57191E-03	1.66573E-07	2.30616E-03	2.63986E-03	1.66573E-07	2.57191E-03	3.70401E-03
22	9.94590E-04	2.43033E-03	1.57944E-07	2.19190E-03	2.42626E-03	1.57944E-07	2.43033E-03	6.01807E-03
23	9.73184E-04	2.45417E-03	2.41477E-07	2.26710E-03	2.27524E-03	2.41477E-07	2.45417E-03	5.90194E-03
24	8.90286E-04	3.65717E-03	2.13713E-07	3.17461E-03	3.87906E-03	2.13713E-07	3.65717E-03	6.13486E-03
25	8.16449E-04	4.62949E-03	3.23784E-07	4.24876E-03	4.73965E-03	3.23784E-07	4.62949E-03	6.17874E-03
26	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 27 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	3.47791E-04	5.59676E-05	4.82173E-04	7.47116E-07
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.17259E-01	1.56874E-01	2.57399E-01	1.20655E-04
4	8.78732E-02	1.54924E-01	2.10388E-01	5.32065E-05
5	1.21974E-01	9.86098E-03	3.89316E-02	5.99665E-05
6	6.46269E-02	.00000E+00	4.20823E-04	9.50028E-06
7	3.78849E-02	.00000E+00	7.09212E-05	.00000E+00
8	2.44927E-02	.00000E+00	1.49746E-04	.00000E+00
9	1.68733E-02	.00000E+00	1.69431E-02	.00000E+00
10	1.28486E-02	.00000E+00	2.58816E-04	.00000E+00
11	1.00066E-02	.00000E+00	6.40216E-03	.00000E+00
12	8.57678E-03	.00000E+00	1.75181E-04	.00000E+00
13	8.20179E-03	.00000E+00	3.55124E-04	.00000E+00
14	7.89659E-03	.00000E+00	5.67325E-04	.00000E+00
15	7.05322E-03	.00000E+00	1.59165E-03	.00000E+00
16	6.04032E-03	.00000E+00	1.28614E-03	2.37845E-08
17	4.84998E-03	3.93496E-03	4.45822E-03	5.79409E-08
18	3.14716E-03	3.85347E-03	4.58325E-03	9.95789E-08

19	2.48323E-03	3.52454E-03	3.48112E-03	1.16809E-07
20	1.58642E-03	3.43117E-03	2.82284E-03	3.07151E-07
21	1.17553E-03	3.70401E-03	2.57191E-03	1.66573E-07
22	8.93171E-04	6.01807E-03	2.43033E-03	1.57944E-07
23	8.58443E-04	5.90194E-03	2.45417E-03	2.41477E-07
24	7.64985E-04	6.13486E-03	3.65717E-03	2.13713E-07
25	7.08442E-04	6.17874E-03	4.62949E-03	3.23784E-07
26	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 27 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 23

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	5.72327E-04	4.81706E-04	1.56399E-06	6.79260E-04	3.61794E-04	1.56399E-06	4.81706E-04	1.45485E-05
2	3.60325E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.18673E-01	3.47006E-01	1.96142E-04	3.52793E-01	3.40402E-01	1.96142E-04	3.47006E-01	1.64812E-01
4	9.40460E-02	3.15160E-01	1.22421E-04	3.21502E-01	3.07888E-01	1.22421E-04	3.15160E-01	1.58388E-01
5	1.77686E-02	4.62489E-02	6.67042E-05	4.82649E-02	4.55553E-02	6.67042E-05	4.62489E-02	1.89453E-03
6	8.53833E-04	4.35917E-04	4.91152E-06	2.95714E-04	4.84510E-04	4.91152E-06	4.35917E-04	.00000E+00
7	1.17561E-04	4.61280E-05	.00000E+00	5.70331E-05	.00000E+00	.00000E+00	4.61280E-05	.00000E+00
8	2.05705E-05	9.19758E-05	.00000E+00	1.13720E-04	.00000E+00	.00000E+00	9.19758E-05	.00000E+00
9	1.10241E-03	6.20797E-03	.00000E+00	3.08858E-03	8.98560E-03	.00000E+00	6.20797E-03	.00000E+00
10	2.27712E-03	3.94353E-03	.00000E+00	2.48383E-03	5.41637E-03	.00000E+00	3.94353E-03	.00000E+00
11	8.75040E-04	3.03406E-03	.00000E+00	5.92687E-03	6.94992E-05	.00000E+00	3.03406E-03	.00000E+00
12	1.06101E-03	3.27607E-03	.00000E+00	7.21055E-03	3.57008E-05	.00000E+00	3.27607E-03	.00000E+00
13	1.67321E-03	5.87811E-04	.00000E+00	5.99468E-04	1.60403E-04	.00000E+00	5.87811E-04	.00000E+00
14	1.66794E-03	6.31589E-04	.00000E+00	6.65977E-04	1.85191E-04	.00000E+00	6.31589E-04	.00000E+00
15	8.55379E-04	4.57227E-04	.00000E+00	4.97675E-04	1.22683E-04	.00000E+00	4.57227E-04	.00000E+00
16	1.14675E-03	1.97580E-03	.00000E+00	1.24914E-03	2.57613E-03	.00000E+00	1.97580E-03	.00000E+00
17	1.03338E-03	1.29036E-03	6.70364E-08	2.42222E-03	9.18714E-05	6.70364E-08	1.29036E-03	5.74787E-04
18	6.46964E-04	6.14168E-03	3.98438E-08	6.01580E-03	6.36203E-03	3.98438E-08	6.14168E-03	5.53111E-03
19	7.94020E-04	4.50122E-03	1.50237E-07	4.27744E-03	4.60296E-03	1.50237E-07	4.50122E-03	3.81289E-03
20	4.99072E-04	3.61719E-03	8.29220E-08	3.39300E-03	3.77071E-03	8.29220E-08	3.61719E-03	4.00556E-03
21	5.31924E-04	2.95292E-03	2.58634E-07	2.66787E-03	3.04428E-03	2.58634E-07	2.95292E-03	3.70896E-03
22	1.18901E-03	2.67875E-03	1.52421E-07	2.40010E-03	2.74443E-03	1.52421E-07	2.67875E-03	4.20978E-03
23	1.21194E-03	2.58898E-03	1.84471E-07	2.35417E-03	2.51774E-03	1.84471E-07	2.58898E-03	6.80163E-03
24	1.16961E-03	2.69062E-03	2.48378E-07	2.54181E-03	2.39221E-03	2.48378E-07	2.69062E-03	6.44961E-03
25	1.07268E-03	4.20944E-03	2.36486E-07	3.64301E-03	4.48410E-03	2.36486E-07	4.20944E-03	6.52879E-03
26	9.82192E-04	5.19625E-03	3.31365E-07	4.77843E-03	5.29573E-03	3.31365E-07	5.19625E-03	6.62149E-03
27	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 28 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	4.36357E-04	1.45485E-05	4.81706E-04	1.56399E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	6.16790E-01	1.64812E-01	3.47006E-01	1.96142E-04
4	1.69134E-01	1.58388E-01	3.15160E-01	1.22421E-04
5	1.69184E-01	1.89453E-03	4.62489E-02	6.67042E-05
6	8.01865E-02	.00000E+00	4.35917E-04	4.91152E-06
7	5.29966E-02	.00000E+00	4.61280E-05	.00000E+00
8	4.32135E-02	.00000E+00	9.19758E-05	.00000E+00
9	2.87006E-02	.00000E+00	6.20797E-03	.00000E+00
10	1.97720E-02	.00000E+00	3.94353E-03	.00000E+00
11	1.50566E-02	.00000E+00	3.03406E-03	.00000E+00
12	1.17278E-02	.00000E+00	3.27607E-03	.00000E+00
13	1.00527E-02	.00000E+00	5.87811E-04	.00000E+00
14	9.61326E-03	.00000E+00	6.31589E-04	.00000E+00
15	9.25538E-03	.00000E+00	4.57227E-04	.00000E+00
16	8.27053E-03	.00000E+00	1.97580E-03	.00000E+00
17	7.08510E-03	5.74787E-04	1.29036E-03	6.70364E-08
18	5.68106E-03	5.53111E-03	6.14168E-03	3.98438E-08
19	3.69005E-03	3.81289E-03	4.50122E-03	1.50237E-07
20	2.88558E-03	4.00556E-03	3.61719E-03	8.29220E-08

21	1.84576E-03	3.70896E-03	2.95292E-03	2.58634E-07
22	1.36193E-03	4.20978E-03	2.67875E-03	1.52421E-07
23	1.04839E-03	6.80163E-03	2.58898E-03	1.84471E-07
24	1.03034E-03	6.44961E-03	2.69062E-03	2.48378E-07
25	9.34053E-04	6.52879E-03	4.20944E-03	2.36486E-07
26	8.72305E-04	6.62149E-03	5.19625E-03	3.31365E-07
27	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 28 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 24

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	5.83077E-04	6.30410E-04	1.18103E-07	8.71873E-04	5.20974E-04	1.18103E-07	6.30410E-04	3.64034E-05
2	3.45550E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.37723E-02	2.74837E-01	1.58539E-04	3.38097E-01	2.43458E-01	1.58539E-04	2.74837E-01	2.64586E-01
4	5.68486E-02	2.45014E-01	6.24473E-05	2.87602E-01	2.24134E-01	6.24473E-05	2.45014E-01	2.53412E-01
5	2.32628E-02	3.09077E-02	6.92858E-05	3.02704E-02	3.18367E-02	6.92858E-05	3.09077E-02	6.40837E-03
6	1.82321E-04	1.23392E-04	.00000E+00	8.41593E-05	7.44080E-05	.00000E+00	1.23392E-04	.00000E+00
7	5.95332E-05	1.31654E-05	.00000E+00	1.62779E-05	.00000E+00	.00000E+00	1.31654E-05	.00000E+00
8	1.25287E-05	2.88501E-05	.00000E+00	3.56706E-05	.00000E+00	.00000E+00	2.88501E-05	.00000E+00
9	8.21113E-05	5.57278E-05	.00000E+00	8.27842E-05	.00000E+00	.00000E+00	5.57278E-05	.00000E+00
10	8.38863E-04	6.18305E-03	.00000E+00	3.01144E-03	9.04158E-03	.00000E+00	6.18305E-03	.00000E+00
11	8.40845E-04	1.62824E-04	.00000E+00	2.36923E-04	2.10162E-05	.00000E+00	1.62824E-04	.00000E+00
12	4.72488E-04	4.26411E-03	.00000E+00	8.82851E-03	2.91701E-05	.00000E+00	4.26411E-03	.00000E+00
13	7.14192E-04	1.59306E-04	.00000E+00	1.99509E-04	2.78400E-05	.00000E+00	1.59306E-04	.00000E+00
14	4.65784E-04	2.38284E-04	.00000E+00	2.48891E-04	6.48673E-05	.00000E+00	2.38284E-04	.00000E+00
15	1.90003E-05	1.23797E-04	.00000E+00	1.87613E-04	2.15164E-05	.00000E+00	1.23797E-04	.00000E+00
16	2.06511E-04	9.16078E-04	.00000E+00	6.53741E-04	1.17404E-03	.00000E+00	9.16078E-04	.00000E+00
17	6.91277E-04	6.21950E-04	8.12065E-10	4.55527E-04	6.63809E-04	8.12065E-10	6.21950E-04	.00000E+00
18	3.36977E-04	7.55065E-04	5.17409E-08	1.32242E-03	2.17197E-04	5.17409E-08	7.55065E-04	3.35529E-03
19	4.33939E-04	3.37239E-03	3.79589E-09	3.50226E-03	3.36474E-03	3.79589E-09	3.37239E-03	5.60435E-04
20	4.32763E-04	2.31374E-03	7.46568E-08	2.09753E-03	2.44391E-03	7.46568E-08	2.31374E-03	1.81845E-03
21	2.50244E-04	1.75111E-03	3.55000E-08	1.61946E-03	1.73464E-03	3.55000E-08	1.75111E-03	1.97002E-03
22	2.96774E-04	1.44579E-03	1.04093E-07	1.29977E-03	1.48914E-03	1.04093E-07	1.44579E-03	1.84904E-03
23	6.60631E-04	1.28498E-03	7.83060E-08	1.15471E-03	1.30640E-03	7.83060E-08	1.28498E-03	2.25467E-03
24	6.59818E-04	1.28759E-03	9.58578E-08	1.18756E-03	1.20156E-03	9.58578E-08	1.28759E-03	3.59811E-03
25	6.13292E-04	1.36611E-03	1.20576E-07	1.31954E-03	1.15512E-03	1.20576E-07	1.36611E-03	3.35100E-03
26	5.64035E-04	2.24372E-03	1.19003E-07	1.94770E-03	2.38552E-03	1.19003E-07	2.24372E-03	3.38729E-03
27	5.12031E-04	2.68795E-03	1.58681E-07	2.48043E-03	2.71738E-03	1.58681E-07	2.68795E-03	3.40807E-03
28	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 29 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	4.95691E-04	3.64034E-05	6.30410E-04	1.18103E-07
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	6.50703E-01	2.64586E-01	2.74837E-01	1.58539E-04
4	9.88353E-02	2.53412E-01	2.45014E-01	6.24473E-05
5	1.39367E-01	6.40837E-03	3.09077E-02	6.92858E-05
6	5.11513E-02	.00000E+00	1.23392E-04	.00000E+00
7	3.74667E-02	.00000E+00	1.31654E-05	.00000E+00
8	2.94387E-02	.00000E+00	2.88501E-05	.00000E+00
9	2.40044E-02	.00000E+00	5.57278E-05	.00000E+00
10	1.59430E-02	.00000E+00	6.18305E-03	.00000E+00
11	1.09837E-02	.00000E+00	1.62824E-04	.00000E+00
12	8.36490E-03	.00000E+00	4.26411E-03	.00000E+00
13	6.51558E-03	.00000E+00	1.59306E-04	.00000E+00
14	5.58504E-03	.00000E+00	2.38284E-04	.00000E+00
15	5.34125E-03	.00000E+00	1.23797E-04	.00000E+00
16	5.14231E-03	.00000E+00	9.16078E-04	.00000E+00
17	4.59943E-03	.00000E+00	6.21950E-04	8.12065E-10
18	3.93713E-03	3.35529E-03	7.55065E-04	5.17409E-08
19	3.15494E-03	5.60435E-04	3.37239E-03	3.79589E-09
20	2.05080E-03	1.81845E-03	2.31374E-03	7.46568E-08

21	1.59390E-03	1.97002E-03	1.75111E-03	3.55000E-08
22	1.01856E-03	1.84904E-03	1.44579E-03	1.04093E-07
23	7.59250E-04	2.25467E-03	1.28498E-03	7.83060E-08
24	5.81186E-04	3.59811E-03	1.28759E-03	9.58578E-08
25	5.76222E-04	3.35100E-03	1.36611E-03	1.20576E-07
26	5.27125E-04	3.38729E-03	2.24372E-03	1.19003E-07
27	4.93638E-04	3.40807E-03	2.68795E-03	1.58681E-07
28	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 29 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 25

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	6.12811E-04	6.91740E-04	8.08320E-08	1.04597E-03	5.40054E-04	8.08320E-08	6.91740E-04	1.55389E-06
2	3.38727E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.62745E-02	3.44148E-01	1.73371E-04	4.14984E-01	3.10979E-01	1.73371E-04	3.44148E-01	2.60152E-01
4	7.60154E-02	3.12488E-01	1.29700E-04	3.88175E-01	2.77068E-01	1.29700E-04	3.12488E-01	2.55599E-01
5	2.61908E-02	2.90130E-02	9.59735E-05	4.94882E-02	1.87403E-02	9.59735E-05	2.90130E-02	1.11381E-02
6	7.51754E-04	3.84031E-04	2.86947E-06	2.53713E-04	3.10127E-04	2.86947E-06	3.84031E-04	.00000E+00
7	7.51968E-05	5.22972E-05	.00000E+00	6.46608E-05	.00000E+00	.00000E+00	5.22972E-05	.00000E+00
8	1.53616E-05	7.80243E-05	.00000E+00	9.64700E-05	.00000E+00	.00000E+00	7.80243E-05	.00000E+00
9	1.89695E-05	9.99204E-05	.00000E+00	1.23543E-04	.00000E+00	.00000E+00	9.99204E-05	.00000E+00
10	8.92360E-04	1.22045E-04	.00000E+00	2.97275E-04	.00000E+00	.00000E+00	1.22045E-04	.00000E+00
11	1.42764E-03	9.46843E-03	.00000E+00	4.68872E-03	1.38088E-02	.00000E+00	9.46843E-03	.00000E+00
12	6.99589E-04	3.45915E-04	.00000E+00	4.92812E-04	3.04846E-05	.00000E+00	3.45915E-04	.00000E+00
13	7.34824E-04	6.73407E-03	.00000E+00	1.43914E-02	2.34500E-05	.00000E+00	6.73407E-03	.00000E+00
14	9.25098E-04	2.68073E-04	.00000E+00	2.95323E-04	6.10784E-05	.00000E+00	2.68073E-04	.00000E+00
15	2.88858E-04	6.65247E-04	.00000E+00	5.50662E-04	7.37008E-04	.00000E+00	6.65247E-04	.00000E+00
16	8.46640E-04	1.84640E-03	.00000E+00	1.15786E-03	2.53293E-03	.00000E+00	1.84640E-03	.00000E+00
17	1.16157E-03	1.47536E-03	.00000E+00	8.88732E-04	2.00490E-03	.00000E+00	1.47536E-03	.00000E+00
18	5.35707E-04	6.99581E-04	1.21357E-08	1.00332E-03	8.59586E-05	1.21357E-08	6.99581E-04	.00000E+00
19	3.43565E-04	2.18470E-03	5.11972E-08	2.06169E-03	2.28992E-03	5.11972E-08	2.18470E-03	4.79440E-03
20	7.27158E-04	3.84359E-03	.00000E+00	4.76665E-03	3.47947E-03	.00000E+00	3.84359E-03	7.97879E-04
21	5.73312E-04	3.21036E-03	7.61319E-08	2.86375E-03	3.35656E-03	7.61319E-08	3.21036E-03	2.67031E-03
22	3.33236E-04	2.32409E-03	4.02931E-08	2.13917E-03	2.35158E-03	4.02931E-08	2.32409E-03	2.62336E-03
23	4.64496E-04	1.99921E-03	1.27833E-07	1.81800E-03	2.03283E-03	1.27833E-07	1.99921E-03	2.38008E-03
24	9.89226E-04	1.80990E-03	1.07385E-07	1.63864E-03	1.82152E-03	1.07385E-07	1.80990E-03	3.12520E-03
25	9.65771E-04	1.89780E-03	1.29095E-07	1.79344E-03	1.66642E-03	1.29095E-07	1.89780E-03	5.00324E-03
26	8.64765E-04	2.03928E-03	1.65582E-07	2.00279E-03	1.65970E-03	1.65582E-07	2.03928E-03	4.47833E-03
27	8.09083E-04	3.38719E-03	1.66286E-07	2.99252E-03	3.57682E-03	1.66286E-07	3.38719E-03	4.27213E-03
28	7.22535E-04	3.92018E-03	2.06828E-07	3.62796E-03	3.92015E-03	2.06828E-07	3.92018E-03	4.24013E-03
29	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 30 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	6.57906E-04	1.55389E-06	6.91740E-04	8.08320E-08
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.45172E-01	2.60152E-01	3.44148E-01	1.73371E-04
4	2.33620E-01	2.55599E-01	3.12488E-01	1.29700E-04
5	2.71707E-01	1.11381E-02	2.90130E-02	9.59735E-05
6	1.22372E-01	.00000E+00	3.84031E-04	2.86947E-06
7	8.00169E-02	.00000E+00	5.22972E-05	.00000E+00
8	5.97110E-02	.00000E+00	7.80243E-05	.00000E+00
9	4.69159E-02	.00000E+00	9.99204E-05	.00000E+00
10	3.82563E-02	.00000E+00	1.22045E-04	.00000E+00
11	2.54093E-02	.00000E+00	9.46843E-03	.00000E+00
12	1.75056E-02	.00000E+00	3.45915E-04	.00000E+00
13	1.33320E-02	.00000E+00	6.73407E-03	.00000E+00
14	1.03856E-02	.00000E+00	2.68073E-04	.00000E+00
15	8.90253E-03	.00000E+00	6.65247E-04	.00000E+00
16	8.51437E-03	.00000E+00	1.84640E-03	.00000E+00
17	8.19756E-03	.00000E+00	1.47536E-03	.00000E+00
18	7.33829E-03	.00000E+00	6.99581E-04	1.21357E-08

19	6.26852E-03	4.79440E-03	2.18470E-03	5.11972E-08
20	5.02973E-03	7.97879E-04	3.84359E-03	.00000E+00
21	3.28571E-03	2.67031E-03	3.21036E-03	7.61319E-08
22	2.45432E-03	2.62336E-03	2.32409E-03	4.02931E-08
23	1.60838E-03	2.38008E-03	1.99921E-03	1.27833E-07
24	1.20604E-03	3.12520E-03	1.80990E-03	1.07385E-07
25	9.18623E-04	5.00324E-03	1.89780E-03	1.29095E-07
26	9.01956E-04	4.47833E-03	2.03928E-03	1.65582E-07
27	8.21602E-04	4.27213E-03	3.38719E-03	1.66286E-07
28	7.63056E-04	4.24013E-03	3.92018E-03	2.06828E-07
29	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 30 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 26

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	7.21924E-04	7.76794E-04	5.95938E-08	1.25291E-03	5.50823E-04	5.95938E-08	7.76794E-04	5.86862E-05
2	3.40570E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.27894E-02	3.86635E-01	2.00279E-04	4.72265E-01	3.12150E-01	2.00279E-04	3.86635E-01	3.16641E-01
4	8.14094E-02	3.65428E-01	1.45166E-04	4.45072E-01	2.96268E-01	1.45166E-04	3.65428E-01	3.10722E-01
5	9.58713E-03	3.08487E-02	4.35911E-05	2.56840E-02	3.33153E-02	4.35911E-05	3.08487E-02	4.54993E-03
6	1.37836E-04	1.54305E-04	.00000E+00	1.02229E-04	6.69910E-05	.00000E+00	1.54305E-04	.00000E+00
7	2.93650E-05	2.18081E-05	.00000E+00	2.69637E-05	.00000E+00	.00000E+00	2.18081E-05	.00000E+00
8	4.39622E-06	4.91221E-05	.00000E+00	6.07350E-05	.00000E+00	.00000E+00	4.91221E-05	.00000E+00
9	1.10056E-05	6.76125E-05	.00000E+00	8.35967E-05	.00000E+00	.00000E+00	6.76125E-05	.00000E+00
10	2.58979E-04	7.80801E-05	.00000E+00	1.52351E-04	.00000E+00	.00000E+00	7.80801E-05	.00000E+00
11	6.30735E-04	2.00815E-03	.00000E+00	1.04389E-03	2.87244E-03	.00000E+00	2.00815E-03	.00000E+00
12	7.72013E-04	2.27810E-03	.00000E+00	1.26581E-03	3.23945E-03	.00000E+00	2.27810E-03	.00000E+00
13	3.08016E-04	1.94588E-03	.00000E+00	3.83952E-03	1.77372E-05	.00000E+00	1.94588E-03	.00000E+00
14	2.80345E-04	5.37746E-04	.00000E+00	1.36776E-03	1.20081E-05	.00000E+00	5.37746E-04	.00000E+00
15	3.27821E-04	1.36452E-04	.00000E+00	1.63081E-04	4.04541E-05	.00000E+00	1.36452E-04	.00000E+00
16	5.08201E-04	7.43681E-04	.00000E+00	4.55264E-04	1.02884E-03	.00000E+00	7.43681E-04	.00000E+00
17	3.29007E-04	7.62905E-05	.00000E+00	8.09476E-05	1.53402E-05	.00000E+00	7.62905E-05	.00000E+00
18	1.27315E-04	1.58369E-04	.00000E+00	1.48271E-04	5.46414E-05	.00000E+00	1.58369E-04	.00000E+00
19	1.96750E-04	3.61048E-04	9.50269E-09	7.04903E-04	2.33746E-05	9.50269E-09	3.61048E-04	.00000E+00
20	1.46015E-04	1.29877E-03	6.27542E-09	1.57487E-03	1.10814E-03	6.27542E-09	1.29877E-03	2.47391E-03
21	3.83730E-04	2.12899E-03	.00000E+00	2.12949E-03	2.32469E-03	.00000E+00	2.12899E-03	6.73730E-04
22	2.73706E-04	1.39418E-03	1.82750E-08	1.32252E-03	1.39512E-03	1.82750E-08	1.39418E-03	1.15004E-03
23	1.51159E-04	1.17844E-03	1.34975E-08	1.08950E-03	1.18645E-03	1.34975E-08	1.17844E-03	1.22991E-03
24	2.94000E-04	1.02229E-03	5.83279E-08	9.40189E-04	1.02164E-03	5.83279E-08	1.02229E-03	1.12909E-03
25	4.98004E-04	9.27791E-04	5.18403E-08	8.52189E-04	9.14232E-04	5.18403E-08	9.27791E-04	1.70255E-03
26	4.52197E-04	1.03505E-03	5.69803E-08	1.00673E-03	8.34914E-04	5.69803E-08	1.03505E-03	2.64378E-03
27	4.14669E-04	1.10350E-03	8.59616E-08	1.10738E-03	8.62750E-04	8.59616E-08	1.10350E-03	2.30466E-03
28	4.15634E-04	1.85848E-03	8.14431E-08	1.66314E-03	1.94179E-03	8.14431E-08	1.85848E-03	2.08285E-03
29	3.67646E-04	2.05567E-03	9.20925E-08	1.92449E-03	2.01304E-03	9.20925E-08	2.05567E-03	2.06589E-03
30	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 31 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	8.87301E-04	5.86862E-05	7.76794E-04	5.95938E-08
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.01951E-01	3.16641E-01	3.86635E-01	2.00279E-04
4	2.63990E-01	3.10722E-01	3.65428E-01	1.45166E-04
5	2.28158E-01	4.54993E-03	3.08487E-02	4.35911E-05
6	1.09981E-01	.00000E+00	1.54305E-04	.00000E+00
7	7.29437E-02	.00000E+00	2.18081E-05	.00000E+00
8	5.06085E-02	.00000E+00	4.91221E-05	.00000E+00
9	3.77634E-02	.00000E+00	6.76125E-05	.00000E+00
10	2.96716E-02	.00000E+00	7.80801E-05	.00000E+00
11	2.41946E-02	.00000E+00	2.00815E-03	.00000E+00
12	1.60699E-02	.00000E+00	2.27810E-03	.00000E+00
13	1.10718E-02	.00000E+00	1.94588E-03	.00000E+00
14	8.43267E-03	.00000E+00	5.37746E-04	.00000E+00

15	6.56927E-03	.00000E+00	1.36452E-04	.00000E+00
16	5.63152E-03	.00000E+00	7.43681E-04	.00000E+00
17	5.38570E-03	.00000E+00	7.62905E-05	.00000E+00
18	5.18610E-03	.00000E+00	1.58369E-04	.00000E+00
19	4.64156E-03	.00000E+00	3.61048E-04	9.50269E-09
20	3.96239E-03	2.47391E-03	1.29877E-03	6.27542E-09
21	3.18219E-03	6.73730E-04	2.12899E-03	.00000E+00
22	2.09426E-03	1.15004E-03	1.39418E-03	1.82750E-08
23	1.47033E-03	1.22991E-03	1.17844E-03	1.34975E-08
24	1.00859E-03	1.12909E-03	1.02229E-03	5.83279E-08
25	7.52658E-04	1.70255E-03	9.27791E-04	5.18403E-08
26	5.71353E-04	2.64378E-03	1.03505E-03	5.69803E-08
27	5.43023E-04	2.30466E-03	1.10350E-03	8.59616E-08
28	4.79325E-04	2.08285E-03	1.85848E-03	8.14431E-08
29	4.33717E-04	2.06589E-03	2.05567E-03	9.20925E-08
30	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 31 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 27

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	9.15799E-04	1.17745E-03	5.53497E-08	1.47748E-03	1.06500E-03	5.53497E-08	1.17745E-03	5.19921E-05
2	3.51935E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.84725E-02	4.95660E-01	2.29397E-04	5.92333E-01	4.41574E-01	2.29397E-04	4.95660E-01	4.22891E-01
4	8.68586E-02	4.70844E-01	1.66307E-04	5.38691E-01	4.28667E-01	1.66307E-04	4.70844E-01	4.16392E-01
5	1.05752E-02	2.03906E-02	5.50546E-05	2.59212E-02	1.53146E-02	5.50546E-05	2.03906E-02	5.86169E-03
6	4.22074E-05	9.46556E-05	.00000E+00	5.71557E-05	4.21789E-05	.00000E+00	9.46556E-05	.00000E+00
7	4.68825E-06	2.71405E-06	.00000E+00	3.35567E-06	.00000E+00	.00000E+00	2.71405E-06	.00000E+00
8	8.45224E-06	1.42937E-05	.00000E+00	1.76728E-05	.00000E+00	.00000E+00	1.42937E-05	.00000E+00
9	4.83577E-06	3.17971E-05	.00000E+00	3.93143E-05	.00000E+00	.00000E+00	3.17971E-05	.00000E+00
10	2.35363E-06	4.22970E-05	.00000E+00	5.23046E-05	.00000E+00	.00000E+00	4.22970E-05	.00000E+00
11	3.62066E-04	4.64590E-05	.00000E+00	1.48733E-04	.00000E+00	.00000E+00	4.64590E-05	.00000E+00
12	8.30372E-05	2.36619E-03	.00000E+00	1.09818E-03	3.46158E-03	.00000E+00	2.36619E-03	.00000E+00
13	3.28323E-04	4.50833E-05	.00000E+00	1.09453E-04	4.41782E-06	.00000E+00	4.50833E-05	.00000E+00
14	1.10632E-04	1.35583E-03	.00000E+00	2.73464E-03	8.56210E-06	.00000E+00	1.35583E-03	.00000E+00
15	1.43918E-04	3.78408E-05	.00000E+00	5.55019E-05	4.52623E-06	.00000E+00	3.78408E-05	.00000E+00
16	1.08211E-04	1.49785E-04	.00000E+00	1.27221E-04	1.36938E-04	.00000E+00	1.49785E-04	.00000E+00
17	1.83982E-04	9.48975E-05	.00000E+00	6.79056E-05	9.43595E-05	.00000E+00	9.48975E-05	.00000E+00
18	6.17414E-06	7.17371E-05	.00000E+00	6.82726E-05	2.49567E-05	.00000E+00	7.17371E-05	.00000E+00
19	1.07406E-04	5.14550E-05	.00000E+00	5.84884E-05	1.72196E-05	.00000E+00	5.14550E-05	.00000E+00
20	4.06049E-05	1.50720E-04	2.26432E-09	2.87316E-04	8.89128E-06	2.26432E-09	1.50720E-04	6.78052E-04
21	5.14332E-05	5.65104E-04	.00000E+00	7.10443E-04	4.44283E-04	.00000E+00	5.65104E-04	4.11179E-04
22	1.84357E-04	1.04121E-03	.00000E+00	1.01487E-03	1.16600E-03	.00000E+00	1.04121E-03	3.47670E-04
23	9.83311E-05	6.54637E-04	2.01560E-09	6.51721E-04	6.27915E-04	2.01560E-09	6.54637E-04	5.28829E-04
24	6.09262E-05	5.98399E-04	4.84744E-09	5.59678E-04	5.91653E-04	4.84744E-09	5.98399E-04	5.47205E-04
25	1.58940E-04	5.19458E-04	1.98253E-08	4.83760E-04	5.10341E-04	1.98253E-08	5.19458E-04	5.14048E-04
26	2.32383E-04	4.75187E-04	2.14381E-08	4.40977E-04	4.60063E-04	2.14381E-08	4.75187E-04	8.75707E-04
27	1.97972E-04	5.43597E-04	2.31922E-08	5.35741E-04	4.19705E-04	2.31922E-08	5.43597E-04	1.30998E-03
28	1.85141E-04	5.64366E-04	4.16917E-08	5.65008E-04	4.43450E-04	4.16917E-08	5.64366E-04	1.12971E-03
29	1.93499E-04	9.61732E-04	3.87288E-08	8.59391E-04	1.00439E-03	3.87288E-08	9.61732E-04	9.63267E-04
30	1.70536E-04	1.04631E-03	4.26797E-08	9.89528E-04	1.00503E-03	4.26797E-08	1.04631E-03	9.56504E-04
31	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 32 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.09346E-03	5.19921E-05	1.17745E-03	5.53497E-08
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.05138E+00	4.22891E-01	4.95660E-01	2.29397E-04
4	3.02473E-01	4.16392E-01	4.70844E-01	1.66307E-04
5	2.81527E-01	5.86169E-03	2.03906E-02	5.50546E-05
6	1.11212E-01	.00000E+00	9.46556E-05	.00000E+00
7	6.67455E-02	.00000E+00	2.71405E-06	.00000E+00
8	4.42643E-02	.00000E+00	1.42937E-05	.00000E+00

9	3.07106E-02	.00000E+00	3.17971E-05	.00000E+00
10	2.29161E-02	.00000E+00	4.22970E-05	.00000E+00
11	1.80056E-02	.00000E+00	4.64590E-05	.00000E+00
12	1.46822E-02	.00000E+00	2.36619E-03	.00000E+00
13	9.75192E-03	.00000E+00	4.50833E-05	.00000E+00
14	6.71929E-03	.00000E+00	1.35583E-03	.00000E+00
15	5.11757E-03	.00000E+00	3.78408E-05	.00000E+00
16	3.98683E-03	.00000E+00	1.49785E-04	.00000E+00
17	3.41781E-03	.00000E+00	9.48975E-05	.00000E+00
18	3.26866E-03	.00000E+00	7.17371E-05	.00000E+00
19	3.14764E-03	.00000E+00	5.14550E-05	.00000E+00
20	2.81346E-03	6.78052E-04	1.50720E-04	2.26432E-09
21	2.40492E-03	4.11179E-04	5.65104E-04	.00000E+00
22	1.93150E-03	3.47670E-04	1.04121E-03	.00000E+00
23	1.27397E-03	5.28829E-04	6.54637E-04	2.01560E-09
24	8.65191E-04	5.47205E-04	5.98399E-04	4.84744E-09
25	6.05014E-04	5.14048E-04	5.19458E-04	1.98253E-08
26	4.49931E-04	8.75707E-04	4.75187E-04	2.14381E-08
27	3.41397E-04	1.30998E-03	5.43597E-04	2.31922E-08
28	3.08424E-04	1.12971E-03	5.64366E-04	4.16917E-08
29	2.61705E-04	9.63267E-04	9.61732E-04	3.87288E-08
30	2.27499E-04	9.56504E-04	1.04631E-03	4.26797E-08
31	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 32 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 28

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	1.36810E-03	1.09825E-03	5.92824E-08	1.68999E-03	7.90323E-04	5.92824E-08	1.09825E-03	5.85080E-06
2	3.60501E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.04552E-01	4.66146E-01	2.63530E-04	6.09749E-01	3.61252E-01	2.63530E-04	4.66146E-01	3.44601E-01
4	9.20414E-02	4.34060E-01	1.88496E-04	5.76108E-01	3.26803E-01	1.88496E-04	4.34060E-01	3.37937E-01
5	1.00472E-02	2.36366E-02	6.30351E-05	5.21620E-02	1.18395E-02	6.30351E-05	2.36366E-02	6.44367E-03
6	7.97344E-05	1.40527E-05	.00000E+00	7.23964E-06	6.26915E-06	.00000E+00	1.40527E-05	.00000E+00
7	1.25573E-05	2.47753E-05	.00000E+00	2.05234E-05	9.31359E-06	.00000E+00	2.47753E-05	.00000E+00
8	4.18215E-06	2.75806E-05	.00000E+00	3.41009E-05	.00000E+00	.00000E+00	2.75806E-05	.00000E+00
9	1.56433E-06	2.81373E-05	.00000E+00	3.47892E-05	.00000E+00	.00000E+00	2.81373E-05	.00000E+00
10	2.46779E-06	1.65563E-05	.00000E+00	2.04703E-05	.00000E+00	.00000E+00	1.65563E-05	.00000E+00
11	2.87781E-05	2.16618E-05	.00000E+00	3.90645E-05	.00000E+00	.00000E+00	2.16618E-05	.00000E+00
12	7.88736E-05	2.32115E-05	.00000E+00	4.07468E-05	.00000E+00	.00000E+00	2.32115E-05	.00000E+00
13	2.13126E-05	1.31180E-03	.00000E+00	6.06391E-04	1.92437E-03	.00000E+00	1.31180E-03	.00000E+00
14	1.24637E-04	1.77576E-05	.00000E+00	4.51293E-05	1.47413E-06	.00000E+00	1.77576E-05	.00000E+00
15	5.13117E-05	7.92486E-04	.00000E+00	1.61073E-03	3.64696E-06	.00000E+00	7.92486E-04	.00000E+00
16	7.78633E-05	2.13729E-05	.00000E+00	2.07339E-05	4.00489E-06	.00000E+00	2.13729E-05	.00000E+00
17	4.33714E-05	5.76201E-05	.00000E+00	4.90243E-05	6.12569E-05	.00000E+00	5.76201E-05	.00000E+00
18	1.51864E-05	2.13299E-05	.00000E+00	1.98343E-05	6.64965E-06	.00000E+00	2.13299E-05	.00000E+00
19	6.61617E-05	3.23281E-05	.00000E+00	2.90651E-05	1.28203E-05	.00000E+00	3.23281E-05	.00000E+00
20	4.28012E-05	3.35455E-05	.00000E+00	4.52919E-05	4.55446E-06	.00000E+00	3.35455E-05	.00000E+00
21	8.54345E-06	5.06369E-05	1.03646E-10	1.01887E-04	3.33212E-06	1.03646E-10	5.06369E-05	4.42060E-04
22	3.24475E-05	2.55427E-04	.00000E+00	3.81984E-04	1.67617E-04	.00000E+00	2.55427E-04	.00000E+00
23	6.21337E-05	4.28827E-04	.00000E+00	4.04093E-04	4.89537E-04	.00000E+00	4.28827E-04	1.43525E-04
24	3.95004E-05	3.24931E-04	1.46924E-10	3.30826E-04	3.01630E-04	1.46924E-10	3.24931E-04	2.26992E-04
25	2.28008E-05	2.80688E-04	1.98319E-09	2.66234E-04	2.70667E-04	1.98319E-09	2.80688E-04	2.34943E-04
26	7.28490E-05	2.42630E-04	6.88743E-09	2.29001E-04	2.33528E-04	6.88743E-09	2.42630E-04	2.09338E-04
27	1.07165E-04	2.18066E-04	8.50369E-09	2.06665E-04	2.04960E-04	8.50369E-09	2.18066E-04	3.95541E-04
28	9.16853E-05	2.53317E-04	1.26910E-08	2.53880E-04	1.87091E-04	1.26910E-08	2.53317E-04	5.78548E-04
29	8.57571E-05	2.60201E-04	2.75893E-08	2.64345E-04	2.01325E-04	2.75893E-08	2.60201E-04	4.81023E-04
30	8.99143E-05	4.47459E-04	2.14666E-08	4.07906E-04	4.54878E-04	2.14666E-08	4.47459E-04	4.12697E-04
31	7.89413E-05	4.53832E-04	2.13371E-08	4.39427E-04	4.28115E-04	2.13371E-08	4.53832E-04	4.27642E-04
32	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 33 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12

1	1.36398E-03	5.85080E-06	1.09825E-03	5.92824E-08
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.18797E+00	3.44601E-01	4.66146E-01	2.63530E-04
4	3.28506E-01	3.37937E-01	4.34060E-01	1.88496E-04
5	3.25704E-01	6.44367E-03	2.36366E-02	6.30351E-05
6	1.39854E-01	.00000E+00	1.40527E-05	.00000E+00
7	6.74759E-02	.00000E+00	2.47753E-05	.00000E+00
8	4.04934E-02	.00000E+00	2.75806E-05	.00000E+00
9	2.68555E-02	.00000E+00	2.81373E-05	.00000E+00
10	1.86320E-02	.00000E+00	1.65563E-05	.00000E+00
11	1.39031E-02	.00000E+00	2.16618E-05	.00000E+00
12	1.09238E-02	.00000E+00	2.32115E-05	.00000E+00
13	8.90774E-03	.00000E+00	1.31180E-03	.00000E+00
14	5.91656E-03	.00000E+00	1.77576E-05	.00000E+00
15	4.07665E-03	.00000E+00	7.92486E-04	.00000E+00
16	3.10501E-03	.00000E+00	2.13729E-05	.00000E+00
17	2.41900E-03	.00000E+00	5.76201E-05	.00000E+00
18	2.07376E-03	.00000E+00	2.13299E-05	.00000E+00
19	1.98323E-03	.00000E+00	3.23281E-05	.00000E+00
20	1.90988E-03	.00000E+00	3.35455E-05	.00000E+00
21	1.70599E-03	4.42060E-04	5.06369E-05	1.03646E-10
22	1.45927E-03	.00000E+00	2.55427E-04	.00000E+00
23	1.17199E-03	1.43525E-04	4.28827E-04	.00000E+00
24	7.73380E-04	2.26992E-04	3.24931E-04	1.46924E-10
25	5.13508E-04	2.34943E-04	2.80688E-04	1.98319E-09
26	3.65293E-04	2.09338E-04	2.42630E-04	6.88743E-09
27	2.69579E-04	3.95541E-04	2.18066E-04	8.50369E-09
28	2.05197E-04	5.78548E-04	2.53317E-04	1.26910E-08
29	1.75885E-04	4.81023E-04	2.60201E-04	2.75893E-08
30	1.43019E-04	4.12697E-04	4.47459E-04	2.14666E-08
31	1.19737E-04	4.27642E-04	4.53832E-04	2.13371E-08
32	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 33 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 29

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	1.71569E-03	2.04092E-03	6.71601E-08	3.57371E-03	1.47149E-03	6.71601E-08	2.04092E-03	1.60585E-07
2	3.77236E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.00730E-01	6.21479E-01	2.91657E-04	6.35465E-01	6.96113E-01	2.91657E-04	6.21479E-01	3.53608E-01
4	8.04873E-02	5.01264E-01	1.33705E-04	5.16900E-01	5.53921E-01	1.33705E-04	5.01264E-01	3.39158E-01
5	1.07542E-02	3.09655E-02	7.39245E-05	3.19301E-02	3.35782E-02	7.39245E-05	3.09655E-02	6.67989E-03
6	3.29096E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	1.16539E-06	1.09027E-05	.00000E+00	5.61683E-06	4.86389E-06	.00000E+00	1.09027E-05	.00000E+00
8	2.32728E-06	1.56711E-08	.00000E+00	1.55210E-06	.00000E+00	.00000E+00	1.56711E-08	.00000E+00
9	1.27850E-06	3.90363E-07	.00000E+00	4.82649E-07	.00000E+00	.00000E+00	3.90363E-07	.00000E+00
10	1.71675E-07	2.05584E-06	.00000E+00	2.54185E-06	.00000E+00	.00000E+00	2.05584E-06	.00000E+00
11	6.67639E-07	4.53668E-06	.00000E+00	5.60919E-06	.00000E+00	.00000E+00	4.53668E-06	.00000E+00
12	9.90696E-06	5.89822E-06	.00000E+00	1.13214E-05	.00000E+00	.00000E+00	5.89822E-06	.00000E+00
13	1.04815E-05	6.24884E-06	.00000E+00	7.72612E-06	.00000E+00	.00000E+00	6.24884E-06	.00000E+00
14	8.28969E-06	3.87450E-04	.00000E+00	1.78560E-04	5.69396E-04	.00000E+00	3.87450E-04	.00000E+00
15	2.88200E-05	4.54942E-06	.00000E+00	1.21416E-05	4.65851E-07	.00000E+00	4.54942E-06	.00000E+00
16	1.42941E-05	2.52498E-04	.00000E+00	5.14593E-04	5.71149E-07	.00000E+00	2.52498E-04	.00000E+00
17	1.87873E-05	6.91584E-06	.00000E+00	6.18584E-06	1.62434E-06	.00000E+00	6.91584E-06	.00000E+00
18	8.68675E-06	1.22395E-05	.00000E+00	1.09620E-05	1.37905E-05	.00000E+00	1.22395E-05	.00000E+00
19	2.79691E-06	6.51730E-06	.00000E+00	5.75798E-06	2.28952E-06	.00000E+00	6.51730E-06	.00000E+00
20	1.89199E-05	6.48019E-06	.00000E+00	6.14181E-06	2.51858E-06	.00000E+00	6.48019E-06	.00000E+00
21	5.87063E-06	1.95740E-05	.00000E+00	2.57246E-05	8.82230E-07	.00000E+00	1.95740E-05	.00000E+00
22	1.90849E-06	6.70312E-06	1.41411E-12	1.82263E-05	6.35188E-07	1.41411E-12	6.70312E-06	1.02377E-04
23	9.24219E-06	6.73757E-05	.00000E+00	1.14965E-04	3.89375E-05	.00000E+00	6.73757E-05	.00000E+00
24	1.34081E-05	1.04947E-04	.00000E+00	9.27037E-05	1.22967E-04	.00000E+00	1.04947E-04	3.56973E-05
25	9.30028E-06	9.75617E-05	2.06513E-11	1.02279E-04	8.74068E-05	2.06513E-11	9.75617E-05	6.06261E-05

26	5.25817E-06	9.36154E-05	5.10117E-10	8.91172E-05	8.99249E-05	5.10117E-10	9.36154E-05	6.51823E-05
27	1.99011E-05	8.15757E-05	1.58676E-09	7.72426E-05	7.84090E-05	1.58676E-09	8.15757E-05	6.04117E-05
28	2.94322E-05	7.37989E-05	2.12262E-09	6.96228E-05	6.98257E-05	2.12262E-09	7.37989E-05	1.18765E-04
29	2.52782E-05	8.18723E-05	3.81044E-09	8.08725E-05	6.36855E-05	3.81044E-09	8.18723E-05	1.69322E-04
30	2.41633E-05	8.31294E-05	6.62398E-09	8.20818E-05	6.84898E-05	6.62398E-09	8.31294E-05	1.43413E-04
31	2.58787E-05	1.46592E-04	5.22429E-09	1.30417E-04	1.54164E-04	5.22429E-09	1.46592E-04	1.23941E-04
32	2.25925E-05	1.51000E-04	4.97520E-09	1.44561E-04	1.45732E-04	4.97520E-09	1.51000E-04	1.28197E-04
33	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 34 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.62416E-03	1.60585E-07	2.04092E-03	6.71601E-08
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.27251E+00	3.53608E-01	6.21479E-01	2.91657E-04
4	1.96105E-01	3.39158E-01	5.01264E-01	1.33705E-04
5	2.29544E-01	6.67989E-03	3.09655E-02	7.39245E-05
6	9.33476E-02	.00000E+00	.00000E+00	.00000E+00
7	4.76976E-02	.00000E+00	1.09027E-05	.00000E+00
8	2.30122E-02	.00000E+00	1.56711E-08	.00000E+00
9	1.38103E-02	.00000E+00	3.90363E-07	.00000E+00
10	9.15908E-03	.00000E+00	2.05584E-06	.00000E+00
11	6.35444E-03	.00000E+00	4.53668E-06	.00000E+00
12	4.74160E-03	.00000E+00	5.89822E-06	.00000E+00
13	3.72561E-03	.00000E+00	6.24884E-06	.00000E+00
14	3.03796E-03	.00000E+00	3.87450E-04	.00000E+00
15	2.01783E-03	.00000E+00	4.54942E-06	.00000E+00
16	1.39031E-03	.00000E+00	2.52498E-04	.00000E+00
17	1.05895E-03	.00000E+00	6.91584E-06	.00000E+00
18	8.25041E-04	.00000E+00	1.22395E-05	.00000E+00
19	7.07263E-04	.00000E+00	6.51730E-06	.00000E+00
20	6.76407E-04	.00000E+00	6.48019E-06	.00000E+00
21	6.51288E-04	.00000E+00	1.95740E-05	.00000E+00
22	5.81800E-04	1.02377E-04	6.70312E-06	1.41411E-12
23	4.97703E-04	.00000E+00	6.73757E-05	.00000E+00
24	3.99743E-04	3.56973E-05	1.04947E-04	.00000E+00
25	2.63724E-04	6.06261E-05	9.75617E-05	2.06513E-11
26	1.72681E-04	6.51823E-05	9.36154E-05	5.10117E-10
27	1.24429E-04	6.04117E-05	8.15757E-05	1.58676E-09
28	9.13498E-05	1.18765E-04	7.37989E-05	2.12262E-09
29	6.96604E-05	1.69322E-04	8.18723E-05	3.81044E-09
30	5.76403E-05	1.43413E-04	8.31294E-05	6.62398E-09
31	4.54639E-05	1.23941E-04	1.46592E-04	5.22429E-09
32	3.70320E-05	1.28197E-04	1.51000E-04	4.97520E-09
33	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 34 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 30

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	1.93888E-03	1.98126E-03	7.45488E-08	2.59014E-03	1.60176E-03	7.45488E-08	1.98126E-03	1.15004E-07
2	3.89977E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.01091E-01	2.18009E+00	3.10094E-04	1.43596E+00	2.97107E+00	3.10094E-04	2.18009E+00	3.57831E-01
4	7.72533E-02	1.94836E+00	1.18526E-04	1.23985E+00	2.68321E+00	1.18526E-04	1.94836E+00	3.40246E-01
5	1.78784E-02	1.18014E-01	1.44041E-04	1.14897E-01	1.40317E-01	1.44041E-04	1.18014E-01	1.44752E-02
6	1.51624E-06	1.87979E-05	1.04822E-06	1.77829E-05	7.52855E-05	1.04822E-06	1.87979E-05	.00000E+00
7	1.98491E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	1.37146E-06	6.13267E-06	.00000E+00	3.15942E-06	2.73589E-06	.00000E+00	6.13267E-06	.00000E+00
9	3.25608E-07	8.58450E-09	.00000E+00	8.18713E-07	.00000E+00	.00000E+00	8.58450E-09	.00000E+00
10	7.03445E-07	2.13841E-07	.00000E+00	2.64395E-07	.00000E+00	.00000E+00	2.13841E-07	.00000E+00
11	6.81342E-08	1.12616E-06	.00000E+00	1.39239E-06	.00000E+00	.00000E+00	1.12616E-06	.00000E+00
12	3.57847E-07	2.48282E-06	.00000E+00	3.06979E-06	.00000E+00	.00000E+00	2.48282E-06	.00000E+00
13	4.91154E-06	3.21939E-06	.00000E+00	6.07826E-06	.00000E+00	.00000E+00	3.21939E-06	.00000E+00
14	5.46896E-06	3.39581E-06	.00000E+00	4.19861E-06	.00000E+00	.00000E+00	3.39581E-06	.00000E+00

15	1.19586E-05	2.95641E-04	.00000E+00	1.35627E-04	4.36289E-04	.00000E+00	2.95641E-04	.00000E+00
16	9.94544E-06	2.50943E-06	.00000E+00	6.57170E-06	3.04994E-07	.00000E+00	2.50943E-06	.00000E+00
17	7.20847E-06	1.47860E-04	.00000E+00	3.07992E-04	1.45797E-07	.00000E+00	1.47860E-04	.00000E+00
18	9.56728E-06	5.46964E-06	.00000E+00	4.63665E-06	1.52961E-06	.00000E+00	5.46964E-06	.00000E+00
19	4.13952E-06	6.25906E-06	.00000E+00	5.57673E-06	7.05028E-06	.00000E+00	6.25906E-06	.00000E+00
20	3.18458E-06	3.86997E-06	.00000E+00	3.34662E-06	1.42832E-06	.00000E+00	3.86997E-06	.00000E+00
21	2.31565E-07	1.86555E-06	.00000E+00	1.83809E-06	5.27600E-07	.00000E+00	1.86555E-06	.00000E+00
22	2.81905E-06	1.08258E-05	.00000E+00	1.41790E-05	4.99316E-07	.00000E+00	1.08258E-05	.00000E+00
23	9.97546E-07	4.78887E-06	6.67835E-13	1.12657E-05	4.18739E-07	6.67835E-13	4.78887E-06	5.22692E-05
24	4.73322E-06	3.29044E-05	.00000E+00	5.76876E-05	1.97994E-05	.00000E+00	3.29044E-05	.00000E+00
25	6.95699E-06	5.68579E-05	.00000E+00	5.15299E-05	6.61946E-05	.00000E+00	5.68579E-05	1.91990E-05
26	4.68146E-06	5.65494E-05	7.58369E-12	6.00060E-05	4.95878E-05	7.58369E-12	5.65494E-05	3.25377E-05
27	2.67792E-06	5.66102E-05	2.82543E-10	5.38511E-05	5.44421E-05	2.82543E-10	5.66102E-05	3.40675E-05
28	1.12664E-05	4.90027E-05	8.06710E-10	4.73837E-05	4.61645E-05	8.06710E-10	4.90027E-05	2.89911E-05
29	1.67109E-05	4.64517E-05	1.13785E-09	4.37642E-05	4.40137E-05	1.13785E-09	4.64517E-05	5.92371E-05
30	1.43709E-05	4.99879E-05	1.41363E-09	4.91817E-05	3.97340E-05	1.41363E-09	4.99879E-05	8.83988E-05
31	1.34620E-05	5.08116E-05	3.26752E-09	4.89785E-05	4.33592E-05	3.26752E-09	5.08116E-05	6.95768E-05
32	1.42503E-05	8.86400E-05	2.42128E-09	7.73039E-05	9.45024E-05	2.42128E-09	8.86400E-05	5.96231E-05
33	1.24990E-05	9.20279E-05	2.81537E-09	8.70989E-05	9.05031E-05	2.81537E-09	9.20279E-05	6.41035E-05
34	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 35 THRU POS. 70 SAME AS ABOVE

0 POS.

	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.80866E-03	1.15004E-07	1.98126E-03	7.45488E-08
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.31438E+00	3.57831E-01	2.18009E+00	3.10094E-04
4	1.67165E-01	3.40246E-01	1.94836E+00	1.18526E-04
5	2.63516E-01	1.44752E-02	1.18014E-01	1.44041E-04
6	1.16331E-01	.00000E+00	1.87979E-05	1.04822E-06
7	5.95880E-02	.00000E+00	.00000E+00	.00000E+00
8	3.04467E-02	.00000E+00	6.13267E-06	.00000E+00
9	1.46887E-02	.00000E+00	8.58450E-09	.00000E+00
10	8.81562E-03	.00000E+00	2.13841E-07	.00000E+00
11	5.84635E-03	.00000E+00	1.12616E-06	.00000E+00
12	4.05618E-03	.00000E+00	2.48282E-06	.00000E+00
13	3.02664E-03	.00000E+00	3.21939E-06	.00000E+00
14	2.37814E-03	.00000E+00	3.39581E-06	.00000E+00
15	1.93920E-03	.00000E+00	2.95641E-04	.00000E+00
16	1.28800E-03	.00000E+00	2.50943E-06	.00000E+00
17	8.87483E-04	.00000E+00	1.47860E-04	.00000E+00
18	6.75943E-04	.00000E+00	5.46964E-06	.00000E+00
19	5.26627E-04	.00000E+00	6.25906E-06	.00000E+00
20	4.51473E-04	.00000E+00	3.86997E-06	.00000E+00
21	4.31775E-04	.00000E+00	1.86555E-06	.00000E+00
22	4.15724E-04	.00000E+00	1.08258E-05	.00000E+00
23	3.71380E-04	5.22692E-05	4.78887E-06	6.67835E-13
24	3.17699E-04	.00000E+00	3.29044E-05	.00000E+00
25	2.55171E-04	1.91990E-05	5.68579E-05	.00000E+00
26	1.68020E-04	3.25377E-05	5.65494E-05	7.58369E-12
27	1.10060E-04	3.40675E-05	5.66102E-05	2.82543E-10
28	7.93869E-05	2.89911E-05	4.90027E-05	8.06710E-10
29	5.81437E-05	5.92371E-05	4.64517E-05	1.13785E-09
30	4.43742E-05	8.83988E-05	4.99879E-05	1.41363E-09
31	3.61063E-05	6.95768E-05	5.08116E-05	3.26752E-09
32	2.80395E-05	5.96231E-05	8.86400E-05	2.42128E-09
33	2.25235E-05	6.41035E-05	9.20279E-05	2.81537E-09
34	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 35 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 31

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	1.99222E-03	6.93721E-04	7.84687E-08	1.08148E-03	4.12403E-04	7.84687E-08	6.93721E-04	9.90552E-08

2	3.91935E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.01569E-01	2.43755E-01	3.19711E-04	6.73173E-01	5.86270E-02	3.19711E-04	2.43755E-01	3.60042E-01
4	6.19868E-02	1.36089E-01	4.77620E-05	3.61133E-01	4.46441E-02	4.77620E-05	1.36089E-01	3.13196E-01
5	1.30288E-02	2.28462E-01	8.19749E-05	1.92837E-01	2.84369E-01	8.19749E-05	2.28462E-01	1.75775E-02
6	6.45966E-04	1.47242E-04	1.35358E-05	7.58875E-05	3.21277E-04	1.35358E-05	1.47242E-04	.00000E+00
7	4.33729E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	5.98352E-05	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	4.09652E-07	1.71325E-06	.00000E+00	8.82631E-07	7.64313E-07	.00000E+00	1.71325E-06	.00000E+00
10	9.37292E-08	2.51419E-09	.00000E+00	2.32272E-07	.00000E+00	.00000E+00	2.51419E-09	.00000E+00
11	2.05092E-07	6.26297E-08	.00000E+00	7.74360E-08	.00000E+00	.00000E+00	6.26297E-08	.00000E+00
12	3.84320E-08	3.29836E-07	.00000E+00	4.07813E-07	.00000E+00	.00000E+00	3.29836E-07	.00000E+00
13	8.32402E-08	7.26870E-07	.00000E+00	8.98709E-07	.00000E+00	.00000E+00	7.26870E-07	.00000E+00
14	1.36121E-06	9.41380E-07	.00000E+00	1.78158E-06	.00000E+00	.00000E+00	9.41380E-07	.00000E+00
15	1.57207E-06	9.91059E-07	.00000E+00	1.22535E-06	.00000E+00	.00000E+00	9.91059E-07	.00000E+00
16	3.43910E-06	1.19074E-04	.00000E+00	5.47443E-05	1.76208E-04	.00000E+00	1.19074E-04	.00000E+00
17	2.92204E-06	7.23519E-07	.00000E+00	1.60880E-06	8.96823E-08	.00000E+00	7.23519E-07	.00000E+00
18	2.05536E-06	4.48880E-05	.00000E+00	9.54370E-05	3.45192E-08	.00000E+00	4.48880E-05	.00000E+00
19	2.70685E-06	2.03880E-06	.00000E+00	1.68139E-06	6.10460E-07	.00000E+00	2.03880E-06	.00000E+00
20	1.13326E-06	1.77822E-06	.00000E+00	1.57207E-06	2.00239E-06	.00000E+00	1.77822E-06	.00000E+00
21	9.04677E-07	1.19451E-06	.00000E+00	1.00983E-06	4.51101E-07	.00000E+00	1.19451E-06	.00000E+00
22	8.65390E-08	3.15528E-07	.00000E+00	3.97782E-07	3.51255E-08	.00000E+00	3.15528E-07	.00000E+00
23	7.78175E-07	3.12135E-06	.00000E+00	4.08981E-06	1.62277E-07	.00000E+00	3.12135E-06	.00000E+00
24	2.86199E-07	1.97169E-06	1.80162E-13	3.78044E-06	5.32338E-07	1.80162E-13	1.97169E-06	1.48296E-05
25	1.34328E-06	8.70002E-06	.00000E+00	1.58929E-05	5.17673E-06	.00000E+00	8.70002E-06	.00000E+00
26	2.08301E-06	1.66898E-05	.00000E+00	1.53881E-05	1.93274E-05	.00000E+00	1.66898E-05	5.65351E-06
27	1.23518E-06	1.69809E-05	1.66565E-12	1.81740E-05	1.46186E-05	1.66565E-12	1.69809E-05	9.60727E-06
28	7.57866E-07	1.52830E-05	8.49914E-11	1.46444E-05	1.44498E-05	8.49914E-11	1.52830E-05	1.05294E-05
29	3.37628E-06	1.33483E-05	2.28571E-10	1.28135E-05	1.25598E-05	2.28571E-10	1.33483E-05	9.25030E-06
30	5.02027E-06	1.22124E-05	3.33728E-10	1.16345E-05	1.13430E-05	3.33728E-10	1.22124E-05	1.91311E-05
31	4.32682E-06	1.35166E-05	4.24327E-10	1.33888E-05	1.04480E-05	4.24327E-10	1.35166E-05	2.80808E-05
32	3.97546E-06	1.36521E-05	1.00271E-09	1.33780E-05	1.13048E-05	1.00271E-09	1.36521E-05	2.25408E-05
33	4.14247E-06	2.38727E-05	7.25629E-10	2.14071E-05	2.45797E-05	7.25629E-10	2.38727E-05	1.94471E-05
34	3.65380E-06	2.46247E-05	8.54966E-10	2.36025E-05	2.36118E-05	8.54966E-10	2.46247E-05	2.06843E-05
35	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 36 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.93606E-03	9.90552E-08	6.93721E-04	7.84687E-08
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.33787E+00	3.60042E-01	2.43755E-01	3.19711E-04
4	6.57771E-02	3.13196E-01	1.36089E-01	4.77620E-05
5	1.16543E-01	1.75775E-02	2.28462E-01	8.19749E-05
6	7.00558E-02	.00000E+00	1.47242E-04	1.35358E-05
7	3.69897E-02	.00000E+00	.00000E+00	.00000E+00
8	1.94367E-02	.00000E+00	.00000E+00	.00000E+00
9	9.93089E-03	.00000E+00	1.71325E-06	.00000E+00
10	4.79128E-03	.00000E+00	2.51419E-09	.00000E+00
11	2.87544E-03	.00000E+00	6.26297E-08	.00000E+00
12	1.90696E-03	.00000E+00	3.29836E-07	.00000E+00
13	1.32307E-03	.00000E+00	7.26870E-07	.00000E+00
14	9.87233E-04	.00000E+00	9.41380E-07	.00000E+00
15	7.75693E-04	.00000E+00	9.91059E-07	.00000E+00
16	6.32523E-04	.00000E+00	1.19074E-04	.00000E+00
17	4.20133E-04	.00000E+00	7.23519E-07	.00000E+00
18	2.89485E-04	.00000E+00	4.48880E-05	.00000E+00
19	2.20489E-04	.00000E+00	2.03880E-06	.00000E+00
20	1.71779E-04	.00000E+00	1.77822E-06	.00000E+00
21	1.47263E-04	.00000E+00	1.19451E-06	.00000E+00
22	1.40841E-04	.00000E+00	3.15528E-07	.00000E+00
23	1.35602E-04	.00000E+00	3.12135E-06	.00000E+00
24	1.21141E-04	1.48296E-05	1.97169E-06	1.80162E-13

25	1.03632E-04	.00000E+00	8.70002E-06	.00000E+00
26	8.32345E-05	5.65351E-06	1.66898E-05	.00000E+00
27	5.47385E-05	9.60727E-06	1.69809E-05	1.66565E-12
28	3.58950E-05	1.05294E-05	1.52830E-05	8.49914E-11
29	2.58888E-05	9.25030E-06	1.33483E-05	2.28571E-10
30	1.89366E-05	1.91311E-05	1.22124E-05	3.33728E-10
31	1.44578E-05	2.80808E-05	1.35166E-05	4.24327E-10
32	1.16560E-05	2.25408E-05	1.36521E-05	1.00271E-09
33	8.97342E-06	1.94471E-05	2.38727E-05	7.25629E-10
34	7.14988E-06	2.06843E-05	2.46247E-05	8.54966E-10
35	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 36 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 32

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.06598E-03	1.91826E-03	8.06773E-08	1.88750E-03	1.46184E-03	8.06773E-08	1.91826E-03	9.06158E-08
2	3.92282E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.05310E-01	2.91227E-01	3.25069E-04	7.99976E-01	5.96360E-02	3.25069E-04	2.91227E-01	3.61262E-01
4	7.10552E-02	1.83970E-01	6.43589E-05	5.05400E-01	3.04886E-02	6.43589E-05	1.83970E-01	3.26420E-01
5	2.45662E-02	1.05366E-01	1.19379E-04	3.10301E-01	1.12841E-02	1.19379E-04	1.05366E-01	4.68354E-02
6	7.19584E-03	9.26895E-04	8.03934E-05	4.81962E-04	1.15566E-03	8.03934E-05	9.26895E-04	.00000E+00
7	1.54631E-06	1.36763E-05	3.03841E-07	1.92803E-05	8.16251E-05	3.03841E-07	1.36763E-05	.00000E+00
8	8.08775E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	6.23111E-05	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
10	5.16611E-07	1.93874E-06	.00000E+00	1.00251E-06	8.64905E-07	.00000E+00	1.93874E-06	.00000E+00
11	1.06705E-07	2.87981E-09	.00000E+00	2.59408E-07	.00000E+00	.00000E+00	2.87981E-09	.00000E+00
12	2.44688E-07	7.17361E-08	.00000E+00	8.86951E-08	.00000E+00	.00000E+00	7.17361E-08	.00000E+00
13	5.29130E-08	3.77792E-07	.00000E+00	4.67105E-07	.00000E+00	.00000E+00	3.77792E-07	.00000E+00
14	8.62715E-08	8.32365E-07	.00000E+00	1.02914E-06	.00000E+00	.00000E+00	8.32365E-07	.00000E+00
15	1.57849E-06	1.07719E-06	.00000E+00	2.04170E-06	.00000E+00	.00000E+00	1.07719E-06	.00000E+00
16	1.77577E-06	1.13266E-06	.00000E+00	1.40043E-06	.00000E+00	.00000E+00	1.13266E-06	.00000E+00
17	3.86076E-06	1.41550E-04	.00000E+00	6.53671E-05	2.09531E-04	.00000E+00	1.41550E-04	.00000E+00
18	3.29632E-06	8.16229E-07	.00000E+00	1.56168E-06	1.01039E-07	.00000E+00	8.16229E-07	.00000E+00
19	2.31439E-06	5.17128E-05	.00000E+00	1.11511E-04	3.79011E-08	.00000E+00	5.17128E-05	.00000E+00
20	3.02935E-06	2.64115E-06	.00000E+00	2.15240E-06	8.13023E-07	.00000E+00	2.64115E-06	.00000E+00
21	1.25472E-06	1.99758E-06	.00000E+00	1.75600E-06	2.24882E-06	.00000E+00	1.99758E-06	.00000E+00
22	1.01350E-06	1.38414E-06	.00000E+00	1.15633E-06	5.25275E-07	.00000E+00	1.38414E-06	.00000E+00
23	2.38583E-07	3.41891E-07	.00000E+00	4.66183E-07	3.41494E-08	.00000E+00	3.41891E-07	.00000E+00
24	8.41880E-07	3.54228E-06	.00000E+00	4.64318E-06	1.98128E-07	.00000E+00	3.54228E-06	.00000E+00
25	3.21820E-07	2.78360E-06	1.95967E-13	4.71515E-06	1.08653E-06	1.95967E-13	2.78360E-06	1.66425E-05
26	1.50695E-06	9.32175E-06	.00000E+00	1.77148E-05	5.41258E-06	.00000E+00	9.32175E-06	.00000E+00
27	2.40200E-06	1.89416E-05	.00000E+00	1.75258E-05	2.19130E-05	.00000E+00	1.89416E-05	6.50371E-06
28	1.32971E-06	1.93464E-05	1.56234E-12	2.08583E-05	1.63735E-05	1.56234E-12	1.93464E-05	1.10533E-05
29	8.48517E-07	1.55030E-05	9.90562E-11	1.49719E-05	1.43610E-05	9.90562E-11	1.55030E-05	1.27164E-05
30	3.86384E-06	1.37879E-05	2.56623E-10	1.29976E-05	1.30252E-05	2.56623E-10	1.37879E-05	1.13097E-05
31	5.77251E-06	1.11976E-05	3.82523E-10	1.07932E-05	1.01391E-05	3.82523E-10	1.11976E-05	2.33263E-05
32	4.99552E-06	1.30813E-05	4.93627E-10	1.31105E-05	9.56976E-06	4.93627E-10	1.30813E-05	3.42985E-05
33	4.70419E-06	1.31403E-05	1.18165E-09	1.36897E-05	9.86779E-06	1.18165E-09	1.31403E-05	2.75592E-05
34	4.98450E-06	2.42145E-05	8.42497E-10	2.28818E-05	2.33793E-05	8.42497E-10	2.42145E-05	2.37770E-05
35	4.35806E-06	2.33865E-05	1.00138E-09	2.32742E-05	2.10471E-05	1.00138E-09	2.33865E-05	2.52224E-05
36	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 37 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	2.02116E-03	9.06158E-08	1.91826E-03	8.06773E-08
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.35141E+00	3.61262E-01	2.91227E-01	3.25069E-04
4	8.81107E-02	3.26420E-01	1.83970E-01	6.43589E-05
5	1.65727E-01	4.68354E-02	1.05366E-01	1.19379E-04
6	1.37605E-01	.00000E+00	9.26895E-04	8.03934E-05
7	7.34989E-02	.00000E+00	1.36763E-05	3.03841E-07
8	4.52256E-02	.00000E+00	.00000E+00	.00000E+00

9	2.37643E-02	.00000E+00	.00000E+00	.00000E+00
10	1.21424E-02	.00000E+00	1.93874E-06	.00000E+00
11	5.85813E-03	.00000E+00	2.87981E-09	.00000E+00
12	3.51565E-03	.00000E+00	7.17361E-08	.00000E+00
13	2.33162E-03	.00000E+00	3.77792E-07	.00000E+00
14	1.61764E-03	.00000E+00	8.32365E-07	.00000E+00
15	1.20706E-03	.00000E+00	1.07719E-06	.00000E+00
16	9.48413E-04	.00000E+00	1.13266E-06	.00000E+00
17	7.73390E-04	.00000E+00	1.41550E-04	.00000E+00
18	5.13678E-04	.00000E+00	8.16229E-07	.00000E+00
19	3.53941E-04	.00000E+00	5.17128E-05	.00000E+00
20	2.69588E-04	.00000E+00	2.64115E-06	.00000E+00
21	2.10027E-04	.00000E+00	1.99758E-06	.00000E+00
22	1.80056E-04	.00000E+00	1.38414E-06	.00000E+00
23	1.72201E-04	.00000E+00	3.41891E-07	.00000E+00
24	1.65798E-04	.00000E+00	3.54228E-06	.00000E+00
25	1.48112E-04	1.66425E-05	2.78360E-06	1.95967E-13
26	1.26707E-04	.00000E+00	9.32175E-06	.00000E+00
27	1.01763E-04	6.50371E-06	1.89416E-05	.00000E+00
28	6.68793E-05	1.10533E-05	1.93464E-05	1.56234E-12
29	4.38829E-05	1.27164E-05	1.55030E-05	9.90562E-11
30	3.16491E-05	1.13097E-05	1.37879E-05	2.56623E-10
31	2.31334E-05	2.33263E-05	1.11976E-05	3.82523E-10
32	1.76664E-05	3.42985E-05	1.30813E-05	4.93627E-10
33	1.41683E-05	2.75592E-05	1.31403E-05	1.18165E-09
34	1.08525E-05	2.37770E-05	2.42145E-05	8.42497E-10
35	8.60702E-06	2.52224E-05	2.33865E-05	1.00138E-09
36	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 37 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 33

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.35389E-03	1.01722E-03	8.85087E-08	2.68550E-03	1.47616E-04	8.85087E-08	1.01722E-03	7.76071E-08
2	4.24624E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.13230E-01	7.87313E-01	3.41074E-04	2.34605E+00	1.95858E-01	3.41074E-04	7.87313E-01	3.64100E-01
4	9.89171E-02	6.25134E-01	2.16045E-04	1.81754E+00	1.70660E-01	2.16045E-04	6.25134E-01	3.54697E-01
5	3.21785E-02	1.05336E-01	2.60629E-04	2.92678E-01	2.76852E-02	2.60629E-04	1.05336E-01	3.48462E-02
6	1.30260E-02	1.60955E-03	1.52493E-04	6.73617E-04	2.28587E-03	1.52493E-04	1.60955E-03	.00000E+00
7	1.67512E-03	3.13076E-04	2.91276E-05	1.61434E-04	6.83445E-04	2.91276E-05	3.13076E-04	.00000E+00
8	4.64378E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	1.81648E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
10	9.59257E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
11	1.30299E-06	4.45825E-06	.00000E+00	2.69364E-06	1.98890E-06	.00000E+00	4.45825E-06	.00000E+00
12	2.39097E-07	6.40518E-09	.00000E+00	2.13327E-07	.00000E+00	.00000E+00	6.40518E-09	.00000E+00
13	5.96971E-07	1.59550E-07	.00000E+00	1.97269E-07	.00000E+00	.00000E+00	1.59550E-07	.00000E+00
14	1.36514E-07	8.40262E-07	.00000E+00	1.03891E-06	.00000E+00	.00000E+00	8.40262E-07	.00000E+00
15	2.15499E-07	1.85053E-06	.00000E+00	2.28801E-06	.00000E+00	.00000E+00	1.85053E-06	.00000E+00
16	3.68174E-06	2.39219E-06	.00000E+00	4.68425E-06	.00000E+00	.00000E+00	2.39219E-06	.00000E+00
17	4.35513E-06	2.51072E-06	.00000E+00	3.10428E-06	.00000E+00	.00000E+00	2.51072E-06	.00000E+00
18	9.33644E-06	3.42193E-04	.00000E+00	1.59309E-04	5.06837E-04	.00000E+00	3.42193E-04	.00000E+00
19	7.89212E-06	1.82790E-06	.00000E+00	2.48620E-06	2.43198E-07	.00000E+00	1.82790E-06	.00000E+00
20	5.63792E-06	1.29868E-04	.00000E+00	2.89229E-04	9.04129E-08	.00000E+00	1.29868E-04	.00000E+00
21	7.20473E-06	8.41975E-06	.00000E+00	6.57676E-06	2.74236E-06	.00000E+00	8.41975E-06	.00000E+00
22	2.99605E-06	4.71638E-06	.00000E+00	4.19576E-06	5.38462E-06	.00000E+00	4.71638E-06	.00000E+00
23	2.43001E-06	3.54539E-06	.00000E+00	2.84472E-06	1.38577E-06	.00000E+00	3.54539E-06	.00000E+00
24	1.68039E-06	6.84687E-07	.00000E+00	1.17368E-06	5.42711E-08	.00000E+00	6.84687E-07	.00000E+00
25	1.81704E-06	8.65851E-06	.00000E+00	1.13694E-05	5.75546E-07	.00000E+00	8.65851E-06	.00000E+00
26	7.85473E-07	1.01992E-05	4.31933E-13	1.41053E-05	5.72651E-06	4.31933E-13	1.01992E-05	3.97587E-05
27	3.60417E-06	1.96460E-05	.00000E+00	4.21140E-05	1.04944E-05	.00000E+00	1.96460E-05	.00000E+00
28	5.76294E-06	4.62566E-05	.00000E+00	4.30808E-05	5.34631E-05	.00000E+00	4.62566E-05	1.66692E-05
29	3.16363E-06	5.04012E-05	2.15541E-12	5.51666E-05	4.14545E-05	2.15541E-12	5.04012E-05	2.72342E-05

30	1.99142E-06	4.08847E-05	2.62190E-10	3.93717E-05	3.78738E-05	2.62190E-10	4.08847E-05	2.98690E-05
31	1.05042E-05	3.57816E-05	6.16447E-10	3.48763E-05	3.26658E-05	6.16447E-10	3.57816E-05	3.05037E-05
32	1.57193E-05	4.64686E-05	9.65944E-10	4.89017E-05	2.84330E-05	9.65944E-10	4.64686E-05	6.76831E-05
33	1.35821E-05	3.46225E-05	1.29797E-09	3.47028E-05	2.59236E-05	1.29797E-09	3.46225E-05	9.70922E-05
34	1.28954E-05	3.57229E-05	3.20374E-09	3.60641E-05	2.85246E-05	3.20374E-09	3.57229E-05	8.02794E-05
35	1.38174E-05	6.38937E-05	2.20315E-09	5.94821E-05	6.17187E-05	2.20315E-09	6.38937E-05	7.00024E-05
36	1.20010E-05	6.15575E-05	2.67851E-09	6.00112E-05	5.71819E-05	2.67851E-09	6.15575E-05	7.34039E-05
37	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 38 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	2.28227E-03	7.76071E-08	1.01722E-03	8.85087E-08
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.38396E+00	3.64100E-01	7.87313E-01	3.41074E-04
4	3.05636E-01	3.54697E-01	6.25134E-01	2.16045E-04
5	4.95152E-01	3.48462E-02	1.05336E-01	2.60629E-04
6	4.10390E-01	.00000E+00	1.60955E-03	1.52493E-04
7	2.97551E-01	.00000E+00	3.13076E-04	2.91276E-05
8	2.08794E-01	.00000E+00	.00000E+00	.00000E+00
9	1.34465E-01	.00000E+00	.00000E+00	.00000E+00
10	7.06539E-02	.00000E+00	.00000E+00	.00000E+00
11	3.61020E-02	.00000E+00	4.45825E-06	.00000E+00
12	1.74174E-02	.00000E+00	6.40518E-09	.00000E+00
13	1.04527E-02	.00000E+00	1.59550E-07	.00000E+00
14	6.93248E-03	.00000E+00	8.40262E-07	.00000E+00
15	4.80957E-03	.00000E+00	1.85053E-06	.00000E+00
16	3.58882E-03	.00000E+00	2.39219E-06	.00000E+00
17	2.81984E-03	.00000E+00	2.51072E-06	.00000E+00
18	2.29938E-03	.00000E+00	3.42193E-04	.00000E+00
19	1.52724E-03	.00000E+00	1.82790E-06	.00000E+00
20	1.05231E-03	.00000E+00	1.29868E-04	.00000E+00
21	8.01551E-04	.00000E+00	8.41975E-06	.00000E+00
22	6.24456E-04	.00000E+00	4.71638E-06	.00000E+00
23	5.35339E-04	.00000E+00	3.54539E-06	.00000E+00
24	5.11983E-04	.00000E+00	6.84687E-07	.00000E+00
25	4.92943E-04	.00000E+00	8.65851E-06	.00000E+00
26	4.40367E-04	3.97587E-05	1.01992E-05	4.31933E-13
27	3.76720E-04	.00000E+00	1.96460E-05	.00000E+00
28	3.02572E-04	1.66692E-05	4.62566E-05	.00000E+00
29	1.98554E-04	2.72342E-05	5.04012E-05	2.15541E-12
30	1.30444E-04	2.98690E-05	4.08847E-05	2.62190E-10
31	9.40727E-05	3.05037E-05	3.57816E-05	6.16447E-10
32	6.86457E-05	6.76831E-05	4.64686E-05	9.65944E-10
33	5.24509E-05	9.70922E-05	3.46225E-05	1.29797E-09
34	4.15676E-05	8.02794E-05	3.57229E-05	3.20374E-09
35	3.14682E-05	7.00024E-05	6.38937E-05	2.20315E-09
36	2.46914E-05	7.34039E-05	6.15575E-05	2.67851E-09
37	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 38 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 34

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	2.85086E-03	1.14575E-03	1.18262E-07	3.02793E-03	1.01757E-04	1.18262E-07	1.14575E-03	6.27145E-08
2	4.89919E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.06496E-01	4.30291E-01	3.76170E-04	5.98392E-01	3.67737E-01	3.76170E-04	4.30291E-01	3.68719E-01
4	9.70058E-02	3.99268E-01	3.05661E-04	5.64116E-01	3.43291E-01	3.05661E-04	3.99268E-01	3.63935E-01
5	1.19607E-02	1.61166E-01	1.24940E-04	5.25829E-01	2.50504E-02	1.24940E-04	1.61166E-01	9.39579E-03
6	1.16194E-05	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	5.81949E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	3.97823E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	1.47455E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
10	1.41017E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

11	5.58065E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
12	9.82746E-07	3.14168E-06	.00000E+00	2.09110E-06	1.40156E-06	.00000E+00	3.14168E-06	.00000E+00
13	1.50392E-07	1.43110E-09	.00000E+00	1.76943E-09	.00000E+00	.00000E+00	1.43110E-09	.00000E+00
14	4.00969E-07	3.56492E-08	.00000E+00	4.40770E-08	.00000E+00	.00000E+00	3.56492E-08	.00000E+00
15	1.09802E-07	1.87743E-07	.00000E+00	2.32127E-07	.00000E+00	.00000E+00	1.87743E-07	.00000E+00
16	1.67067E-07	4.13461E-07	.00000E+00	5.11207E-07	.00000E+00	.00000E+00	4.13461E-07	.00000E+00
17	2.57006E-06	5.34403E-07	.00000E+00	1.87660E-06	.00000E+00	.00000E+00	5.34403E-07	.00000E+00
18	3.02400E-06	5.60749E-07	.00000E+00	6.93315E-07	.00000E+00	.00000E+00	5.60749E-07	.00000E+00
19	6.90033E-06	1.27474E-03	.00000E+00	5.75816E-04	1.89915E-03	.00000E+00	1.27474E-03	.00000E+00
20	5.51226E-06	6.70402E-07	.00000E+00	8.70538E-07	1.70589E-07	.00000E+00	6.70402E-07	.00000E+00
21	4.13604E-06	9.57367E-05	.00000E+00	2.20677E-04	7.00702E-08	.00000E+00	9.57367E-05	.00000E+00
22	4.96824E-06	9.49210E-06	.00000E+00	6.84648E-06	3.37961E-06	.00000E+00	9.49210E-06	.00000E+00
23	2.09771E-06	3.01919E-06	.00000E+00	2.78598E-06	3.78927E-06	.00000E+00	3.01919E-06	.00000E+00
24	1.69680E-06	2.65454E-06	.00000E+00	1.89102E-06	1.16329E-06	.00000E+00	2.65454E-06	.00000E+00
25	2.35279E-06	2.08063E-07	.00000E+00	7.12401E-07	3.90670E-08	.00000E+00	2.08063E-07	.00000E+00
26	1.15149E-06	5.99172E-06	.00000E+00	7.93189E-06	4.65409E-07	.00000E+00	5.99172E-06	.00000E+00
27	5.41863E-07	1.07383E-05	2.45145E-13	1.18418E-05	8.75857E-06	2.45145E-13	1.07383E-05	2.77690E-05
28	2.47269E-06	1.23387E-05	.00000E+00	3.38365E-05	3.97779E-06	.00000E+00	1.23387E-05	.00000E+00
29	3.99309E-06	3.34727E-05	.00000E+00	3.18017E-05	3.87808E-05	.00000E+00	3.34727E-05	1.42031E-05
30	2.17304E-06	4.66071E-05	1.60162E-13	5.59492E-05	3.36936E-05	1.60162E-13	4.66071E-05	1.40318E-05
31	1.24522E-06	4.56437E-05	2.39746E-10	4.43823E-05	4.25433E-05	2.39746E-10	4.56437E-05	4.22199E-06
32	1.03948E-05	4.00228E-05	4.46785E-10	3.95107E-05	3.67352E-05	4.46785E-10	4.00228E-05	2.62837E-06
33	1.36262E-05	3.52820E-05	7.60705E-10	3.41293E-05	3.26244E-05	7.60705E-10	3.52820E-05	3.80695E-05
34	1.20891E-05	3.36648E-05	1.14637E-09	3.25850E-05	2.97565E-05	1.14637E-09	3.36648E-05	8.07545E-05
35	1.02596E-05	3.57577E-05	2.46705E-09	3.49677E-05	3.26470E-05	2.46705E-09	3.57577E-05	6.12299E-05
36	1.01668E-05	6.95104E-05	2.05617E-09	6.34565E-05	7.03863E-05	2.05617E-09	6.95104E-05	5.26288E-05
37	8.96735E-06	6.67629E-05	2.47721E-09	6.42786E-05	6.57589E-05	2.47721E-09	6.67629E-05	5.78119E-05
38	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 39 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	3.04713E-03	6.27145E-08	1.14575E-03	1.18262E-07
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.43965E+00	3.68719E-01	4.30291E-01	3.76170E-04
4	5.13866E-01	3.63935E-01	3.99268E-01	3.05661E-04
5	6.02208E-01	9.39579E-03	1.61166E-01	1.24940E-04
6	4.04213E-01	.00000E+00	.00000E+00	.00000E+00
7	3.66179E-01	.00000E+00	.00000E+00	.00000E+00
8	3.13258E-01	.00000E+00	.00000E+00	.00000E+00
9	2.42117E-01	.00000E+00	.00000E+00	.00000E+00
10	1.55928E-01	.00000E+00	.00000E+00	.00000E+00
11	8.19317E-02	.00000E+00	.00000E+00	.00000E+00
12	4.18640E-02	.00000E+00	3.14168E-06	.00000E+00
13	2.01974E-02	.00000E+00	1.43110E-09	.00000E+00
14	1.21213E-02	.00000E+00	3.56492E-08	.00000E+00
15	8.03854E-03	.00000E+00	1.87743E-07	.00000E+00
16	5.57717E-03	.00000E+00	4.13461E-07	.00000E+00
17	4.16159E-03	.00000E+00	5.34403E-07	.00000E+00
18	3.26983E-03	.00000E+00	5.60749E-07	.00000E+00
19	2.66633E-03	.00000E+00	1.27474E-03	.00000E+00
20	1.77102E-03	.00000E+00	6.70402E-07	.00000E+00
21	1.22029E-03	.00000E+00	9.57367E-05	.00000E+00
22	9.29463E-04	.00000E+00	9.49210E-06	.00000E+00
23	7.24107E-04	.00000E+00	3.01919E-06	.00000E+00
24	6.20791E-04	.00000E+00	2.65454E-06	.00000E+00
25	5.93705E-04	.00000E+00	2.08063E-07	.00000E+00
26	5.71628E-04	.00000E+00	5.99172E-06	.00000E+00
27	5.10665E-04	2.77690E-05	1.07383E-05	2.45145E-13
28	4.36859E-04	.00000E+00	1.23387E-05	.00000E+00
29	3.50874E-04	1.42031E-05	3.34727E-05	.00000E+00
30	2.29655E-04	1.40318E-05	4.66071E-05	1.60162E-13

31	1.51232E-04	4.22199E-06	4.56437E-05	2.39746E-10
32	1.09027E-04	2.62837E-06	4.00228E-05	4.46785E-10
33	7.93340E-05	3.80695E-05	3.52820E-05	7.60705E-10
34	6.06788E-05	8.07545E-05	3.36648E-05	1.14637E-09
35	4.70973E-05	6.12299E-05	3.57577E-05	2.46705E-09
36	3.49201E-05	5.26288E-05	6.95104E-05	2.05617E-09
37	2.68602E-05	5.78119E-05	6.67629E-05	2.47721E-09
38	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 39 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 35

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	4.07859E-03	9.34193E-04	1.75538E-07	1.73394E-03	1.45881E-04	1.75538E-07	9.34193E-04	5.96396E-08
2	6.19238E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.22745E-01	5.47885E-01	4.10508E-04	7.48933E-01	5.01660E-01	4.10508E-04	5.47885E-01	3.72084E-01
4	1.12981E-01	5.18546E-01	3.37642E-04	7.10044E-01	4.75545E-01	3.37642E-04	5.18546E-01	3.67663E-01
5	6.63422E-03	2.98768E-02	7.03907E-05	3.12465E-02	2.43419E-02	7.03907E-05	2.98768E-02	4.76371E-03
6	2.12015E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 8 THRU POS. 9 SAME AS ABOVE

10	2.17370E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
11	4.17792E-05	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
12	6.68702E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
13	2.17761E-07	8.07193E-07	.00000E+00	5.39176E-07	3.60103E-07	.00000E+00	8.07193E-07	.00000E+00
14	3.43716E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	7.81868E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	2.82557E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	5.15327E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	9.76557E-07	.00000E+00	.00000E+00	2.75330E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	4.34477E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	1.56103E-06	3.19226E-04	.00000E+00	1.44031E-04	4.75769E-04	.00000E+00	3.19226E-04	.00000E+00
21	1.23697E-06	8.74536E-08	.00000E+00	1.36915E-07	3.86729E-08	.00000E+00	8.74536E-08	.00000E+00
22	1.04653E-06	2.19164E-05	.00000E+00	5.07501E-05	1.64605E-08	.00000E+00	2.19164E-05	.00000E+00
23	1.11301E-06	3.36165E-06	.00000E+00	2.35892E-06	1.22204E-06	.00000E+00	3.36165E-06	.00000E+00
24	4.71563E-07	6.58236E-07	.00000E+00	6.17400E-07	8.66475E-07	.00000E+00	6.58236E-07	.00000E+00
25	3.83067E-07	6.34288E-07	.00000E+00	4.24518E-07	2.90364E-07	.00000E+00	6.34288E-07	.00000E+00
26	9.33066E-07	5.61356E-08	.00000E+00	1.48931E-07	2.50431E-08	.00000E+00	5.61356E-08	.00000E+00
27	2.65530E-07	1.34456E-06	.00000E+00	1.80118E-06	1.02891E-07	.00000E+00	1.34456E-06	.00000E+00
28	1.17538E-07	2.60558E-06	.00000E+00	2.77086E-06	2.24461E-06	.00000E+00	2.60558E-06	6.21899E-06
29	5.32408E-07	3.25073E-06	.00000E+00	9.55631E-06	8.83143E-07	.00000E+00	3.25073E-06	.00000E+00
30	8.74641E-07	8.48670E-06	.00000E+00	9.00891E-06	9.65828E-06	.00000E+00	8.48670E-06	3.75449E-06
31	4.64865E-07	1.79372E-05	.00000E+00	2.43082E-05	1.03522E-05	.00000E+00	1.79372E-05	3.21303E-06
32	2.50300E-07	2.12738E-05	8.06923E-11	2.07706E-05	1.99752E-05	8.06923E-11	2.12738E-05	.00000E+00
33	1.00079E-05	1.86103E-05	1.20471E-10	1.84677E-05	1.72300E-05	1.20471E-10	1.86103E-05	.00000E+00
34	3.75219E-06	1.63440E-05	2.04062E-10	1.58780E-05	1.52957E-05	2.04062E-10	1.63440E-05	1.27712E-05
35	3.30689E-06	1.50292E-05	3.71228E-10	1.44413E-05	1.39602E-05	3.71228E-10	1.50292E-05	2.59192E-05
36	3.58048E-06	1.59956E-05	8.18534E-10	1.56402E-05	1.52478E-05	8.18534E-10	1.59956E-05	1.99694E-05
37	4.30711E-06	3.19717E-05	6.79131E-10	2.91930E-05	3.30041E-05	6.79131E-10	3.19717E-05	1.70816E-05
38	3.76280E-06	3.08247E-05	8.64785E-10	2.97384E-05	3.08685E-05	8.64785E-10	3.08247E-05	1.86580E-05
39	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 40 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	4.45804E-03	5.96396E-08	9.34193E-04	1.75538E-07
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.48616E+00	3.72084E-01	5.47885E-01	4.10508E-04
4	5.33509E-01	3.67663E-01	5.18546E-01	3.37642E-04
5	5.04102E-01	4.76371E-03	2.98768E-02	7.03907E-05
6	2.50006E-01	.00000E+00	.00000E+00	.00000E+00
7	1.90952E-01	.00000E+00	.00000E+00	.00000E+00
8	1.72990E-01	.00000E+00	.00000E+00	.00000E+00
9	1.47986E-01	.00000E+00	.00000E+00	.00000E+00

10	1.14377E-01	.00000E+00	.00000E+00	.00000E+00
11	7.36609E-02	.00000E+00	.00000E+00	.00000E+00
12	3.87070E-02	.00000E+00	.00000E+00	.00000E+00
13	1.97776E-02	.00000E+00	8.07193E-07	.00000E+00
14	9.54137E-03	.00000E+00	.00000E+00	.00000E+00
15	5.72614E-03	.00000E+00	.00000E+00	.00000E+00
16	3.79760E-03	.00000E+00	.00000E+00	.00000E+00
17	2.63475E-03	.00000E+00	.00000E+00	.00000E+00
18	1.96598E-03	.00000E+00	.00000E+00	.00000E+00
19	1.54474E-03	.00000E+00	.00000E+00	.00000E+00
20	1.25957E-03	.00000E+00	3.19226E-04	.00000E+00
21	8.36622E-04	.00000E+00	8.74536E-08	.00000E+00
22	5.76483E-04	.00000E+00	2.19164E-05	.00000E+00
23	4.39096E-04	.00000E+00	3.36165E-06	.00000E+00
24	3.42090E-04	.00000E+00	6.58236E-07	.00000E+00
25	2.93275E-04	.00000E+00	6.34288E-07	.00000E+00
26	2.80479E-04	.00000E+00	5.61356E-08	.00000E+00
27	2.70046E-04	.00000E+00	1.34456E-06	.00000E+00
28	2.41248E-04	6.21899E-06	2.60558E-06	.00000E+00
29	2.06382E-04	.00000E+00	3.25073E-06	.00000E+00
30	1.65765E-04	3.75449E-06	8.48670E-06	.00000E+00
31	1.08202E-04	3.21303E-06	1.79372E-05	.00000E+00
32	7.14459E-05	.00000E+00	2.12738E-05	8.06923E-11
33	5.14841E-05	.00000E+00	1.86103E-05	1.20471E-10
34	3.73573E-05	1.27712E-05	1.63440E-05	2.04062E-10
35	2.86104E-05	2.59192E-05	1.50292E-05	3.71228E-10
36	2.17960E-05	1.99694E-05	1.59956E-05	8.18534E-10
37	1.58536E-05	1.70816E-05	3.19717E-05	6.79131E-10
38	1.19779E-05	1.86580E-05	3.08247E-05	8.64785E-10
39	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 40 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 36

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	6.42976E-03	3.99151E-03	2.64388E-07	5.60893E-03	5.76966E-04	2.64388E-07	3.99151E-03	7.05138E-08
2	9.28897E-04	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.40958E-01	1.06070E+00	4.32340E-04	1.19285E+00	8.08691E-01	4.32340E-04	1.06070E+00	3.73766E-01
4	1.26822E-01	1.01504E+00	3.45354E-04	1.13373E+00	7.69569E-01	3.45354E-04	1.01504E+00	3.68488E-01
5	5.68463E-03	2.84108E-02	7.26936E-05	3.71707E-02	2.59708E-02	7.26936E-05	2.84108E-02	4.43874E-03
6	3.72909E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	1.70869E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 9 THRU POS. 10 SAME AS ABOVE

11	5.23924E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
12	9.80163E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
13	1.64294E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
14	5.00351E-08	1.86755E-07	.00000E+00	1.27457E-07	8.33147E-08	.00000E+00	1.86755E-07	.00000E+00
15	8.05663E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	1.78389E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	1.13516E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	9.24482E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	2.55548E-07	.00000E+00	.00000E+00	6.24266E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	1.25267E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	5.80393E-07	6.16976E-05	.00000E+00	2.78596E-05	9.19531E-05	.00000E+00	6.16976E-05	.00000E+00
22	2.83648E-07	4.64206E-08	.00000E+00	3.99643E-08	2.91899E-08	.00000E+00	4.64206E-08	.00000E+00
23	2.71815E-07	7.33388E-06	.00000E+00	1.16826E-05	1.75483E-06	.00000E+00	7.33388E-06	.00000E+00
24	2.56101E-07	6.40565E-06	.00000E+00	7.16198E-07	4.52118E-06	.00000E+00	6.40565E-06	.00000E+00
25	1.11187E-07	5.50167E-06	.00000E+00	1.41650E-07	4.32741E-06	.00000E+00	5.50167E-06	.00000E+00
26	9.43504E-08	7.79880E-07	.00000E+00	1.01219E-07	5.54243E-07	.00000E+00	7.79880E-07	.00000E+00
27	3.79670E-07	1.43551E-08	.00000E+00	3.15101E-08	6.40407E-09	.00000E+00	1.43551E-08	.00000E+00
28	6.60405E-08	3.19374E-07	.00000E+00	4.26944E-07	2.42788E-08	.00000E+00	3.19374E-07	.00000E+00

29	2.96813E-08	6.18606E-07	.00000E+00	6.56438E-07	5.34291E-07	.00000E+00	6.18606E-07	1.38976E-06
30	1.14677E-07	8.23060E-07	.00000E+00	2.54038E-06	2.08116E-07	.00000E+00	8.23060E-07	.00000E+00
31	1.91109E-07	2.22107E-06	.00000E+00	2.93083E-06	2.37104E-06	.00000E+00	2.22107E-06	8.37832E-07
32	9.75812E-08	7.66998E-06	.00000E+00	1.11139E-05	3.75501E-06	.00000E+00	7.66998E-06	7.84583E-07
33	5.03102E-08	9.99395E-06	2.63455E-11	9.77580E-06	9.41118E-06	2.63455E-11	9.99395E-06	.00000E+00
34	4.91758E-06	8.73338E-06	3.72179E-11	8.68920E-06	8.11343E-06	3.72179E-11	8.73338E-06	.00000E+00
35	1.62507E-06	7.66986E-06	5.96415E-11	7.46948E-06	7.20383E-06	5.96415E-11	7.66986E-06	3.39554E-06
36	1.43373E-06	7.05459E-06	1.29407E-10	8.22268E-06	6.57410E-06	1.29407E-10	7.05459E-06	6.54099E-06
37	1.61935E-06	7.46409E-06	2.84925E-10	1.84392E-05	7.15922E-06	2.84925E-10	7.46409E-06	4.62416E-06
38	2.01945E-06	1.49741E-05	2.51569E-10	1.45592E-05	1.55393E-05	2.51569E-10	1.49741E-05	3.61097E-06
39	1.82103E-06	1.44766E-05	3.18748E-10	1.39986E-05	1.45402E-05	3.18748E-10	1.44766E-05	4.15006E-06
40	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 41 THRU POS. 70 SAME AS ABOVE

0 POS.

	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	6.62543E-03	7.05138E-08	3.99151E-03	2.64388E-07
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.50814E+00	3.73766E-01	1.06070E+00	4.32340E-04
4	5.07977E-01	3.68488E-01	1.01504E+00	3.45354E-04
5	5.16989E-01	4.43874E-03	2.84108E-02	7.26936E-05
6	2.20871E-01	.00000E+00	.00000E+00	.00000E+00
7	1.18094E-01	.00000E+00	.00000E+00	.00000E+00
8	9.02025E-02	.00000E+00	.00000E+00	.00000E+00
9	8.17145E-02	.00000E+00	.00000E+00	.00000E+00
10	6.99104E-02	.00000E+00	.00000E+00	.00000E+00
11	5.40307E-02	.00000E+00	.00000E+00	.00000E+00
12	3.47966E-02	.00000E+00	.00000E+00	.00000E+00
13	1.82846E-02	.00000E+00	.00000E+00	.00000E+00
14	9.34266E-03	.00000E+00	1.86755E-07	.00000E+00
15	4.50716E-03	.00000E+00	.00000E+00	.00000E+00
16	2.70489E-03	.00000E+00	.00000E+00	.00000E+00
17	1.79392E-03	.00000E+00	.00000E+00	.00000E+00
18	1.24457E-03	.00000E+00	.00000E+00	.00000E+00
19	9.28673E-04	.00000E+00	.00000E+00	.00000E+00
20	7.29700E-04	.00000E+00	.00000E+00	.00000E+00
21	5.95011E-04	.00000E+00	6.16976E-05	.00000E+00
22	3.95216E-04	.00000E+00	4.64206E-08	.00000E+00
23	2.72318E-04	.00000E+00	7.33388E-06	.00000E+00
24	2.07415E-04	.00000E+00	6.40565E-06	.00000E+00
25	1.61593E-04	.00000E+00	5.50167E-06	.00000E+00
26	1.38538E-04	.00000E+00	7.79880E-07	.00000E+00
27	1.32491E-04	.00000E+00	1.43551E-08	.00000E+00
28	1.27564E-04	.00000E+00	3.19374E-07	.00000E+00
29	1.13962E-04	1.38976E-06	6.18606E-07	.00000E+00
30	9.74929E-05	.00000E+00	8.23060E-07	.00000E+00
31	7.83062E-05	8.37832E-07	2.22107E-06	.00000E+00
32	5.10517E-05	7.84583E-07	7.66998E-06	.00000E+00
33	3.37499E-05	.00000E+00	9.99395E-06	2.63455E-11
34	2.43105E-05	.00000E+00	8.73338E-06	3.72179E-11
35	1.76187E-05	3.39554E-06	7.66986E-06	5.96415E-11
36	1.35029E-05	6.54099E-06	7.05459E-06	1.29407E-10
37	1.01868E-05	4.62416E-06	7.46409E-06	2.84925E-10
38	7.33091E-06	3.61097E-06	1.49741E-05	2.51569E-10
39	5.48751E-06	4.15006E-06	1.44766E-05	3.18748E-10
40	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 41 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 37

0 POS.

	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	1.15550E-02	1.16611E-02	4.40246E-07	1.06323E-02	1.30483E-02	4.40246E-07	1.16611E-02	9.95369E-08
2	1.73019E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.30452E-01	9.07445E-01	4.44985E-04	1.16517E+00	8.49665E-01	4.44985E-04	9.07445E-01	3.74591E-01

4	1.15423E-01	8.67790E-01	3.95919E-04	1.12003E+00	8.10121E-01	3.95919E-04	8.67790E-01	3.71721E-01
5	7.70395E-03	4.16729E-02	8.67249E-05	5.34889E-02	3.85507E-02	8.67249E-05	4.16729E-02	5.27872E-03
6	4.11780E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	1.91456E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 9 THRU POS. 11 SAME AS ABOVE							
12	5.04842E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
13	2.47969E-06	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
14	5.14820E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	1.31633E-08	5.03695E-08	.00000E+00	3.46361E-08	2.24707E-08	.00000E+00	5.03695E-08	.00000E+00
16	2.16375E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	4.81265E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	3.23004E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	4.08194E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	9.35794E-08	.00000E+00	.00000E+00	1.70378E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	3.29714E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	1.48760E-07	2.02713E-05	.00000E+00	9.14569E-06	3.02117E-05	.00000E+00	2.02713E-05	.00000E+00
23	7.98302E-08	1.09184E-08	.00000E+00	1.10213E-08	6.60935E-09	.00000E+00	1.09184E-08	.00000E+00
24	7.69237E-08	1.91893E-06	.00000E+00	3.33759E-06	3.61963E-07	.00000E+00	1.91893E-06	.00000E+00
25	7.29121E-08	1.51960E-06	.00000E+00	2.85284E-07	1.00439E-06	.00000E+00	1.51960E-06	.00000E+00
26	3.35957E-08	1.14502E-06	.00000E+00	3.96257E-08	9.07733E-07	.00000E+00	1.14502E-06	.00000E+00
27	3.47258E-08	1.73434E-07	.00000E+00	3.03919E-08	1.20016E-07	.00000E+00	1.73434E-07	.00000E+00
28	1.20885E-07	4.15652E-09	.00000E+00	7.47356E-09	1.85430E-09	.00000E+00	4.15652E-09	.00000E+00
29	2.22621E-08	9.35399E-08	.00000E+00	1.24538E-07	7.04589E-09	.00000E+00	9.35399E-08	.00000E+00
30	1.08751E-08	1.83573E-07	.00000E+00	1.95892E-07	1.56013E-07	.00000E+00	1.83573E-07	3.66640E-07
31	2.91280E-08	2.43297E-07	.00000E+00	8.08112E-07	6.11740E-08	.00000E+00	2.43297E-07	.00000E+00
32	4.92013E-08	7.75668E-07	.00000E+00	1.39463E-06	7.22386E-07	.00000E+00	7.75668E-07	2.19941E-07
33	2.33653E-08	4.64507E-06	.00000E+00	6.98626E-06	2.03492E-06	.00000E+00	4.64507E-06	2.30871E-07
34	1.09350E-08	6.36315E-06	1.07418E-11	6.23138E-06	6.00218E-06	1.07418E-11	6.36315E-06	.00000E+00
35	3.13119E-06	5.55664E-06	1.49958E-11	5.53619E-06	5.17288E-06	1.49958E-11	5.55664E-06	.00000E+00
36	1.02956E-06	4.87677E-06	2.66423E-11	4.75594E-06	4.59098E-06	2.66423E-11	4.87677E-06	2.16893E-06
37	9.10689E-07	4.48924E-06	6.46972E-11	4.62210E-06	4.19167E-06	6.46972E-11	4.48924E-06	4.17811E-06
38	1.02835E-06	4.73292E-06	1.40304E-10	6.95414E-06	4.55665E-06	1.40304E-10	4.73292E-06	2.95364E-06
39	1.28407E-06	9.52329E-06	1.25874E-10	8.90579E-06	9.90551E-06	1.25874E-10	9.52329E-06	2.30654E-06
40	1.12987E-06	9.21497E-06	1.63022E-10	8.92339E-06	9.27179E-06	1.63022E-10	9.21497E-06	2.64833E-06
41	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 42 THRU POS. 70 SAME AS ABOVE							

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.09610E-02	9.95369E-08	1.16611E-02	4.40246E-07
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.52888E+00	3.74591E-01	9.07445E-01	4.44985E-04
4	7.32831E-01	3.71721E-01	8.67790E-01	3.95919E-04
5	7.20462E-01	5.27872E-03	4.16729E-02	8.67249E-05
6	3.07665E-01	.00000E+00	.00000E+00	.00000E+00
7	1.41084E-01	.00000E+00	.00000E+00	.00000E+00
8	7.54374E-02	.00000E+00	.00000E+00	.00000E+00
9	5.76186E-02	.00000E+00	.00000E+00	.00000E+00
10	5.21982E-02	.00000E+00	.00000E+00	.00000E+00
11	4.46545E-02	.00000E+00	.00000E+00	.00000E+00
12	3.45130E-02	.00000E+00	.00000E+00	.00000E+00
13	2.22272E-02	.00000E+00	.00000E+00	.00000E+00
14	1.16791E-02	.00000E+00	.00000E+00	.00000E+00
15	5.96755E-03	.00000E+00	5.03695E-08	.00000E+00
16	2.87906E-03	.00000E+00	.00000E+00	.00000E+00
17	1.72779E-03	.00000E+00	.00000E+00	.00000E+00
18	1.14587E-03	.00000E+00	.00000E+00	.00000E+00
19	7.94971E-04	.00000E+00	.00000E+00	.00000E+00
20	5.93208E-04	.00000E+00	.00000E+00	.00000E+00
21	4.66100E-04	.00000E+00	.00000E+00	.00000E+00
22	3.80069E-04	.00000E+00	2.02713E-05	.00000E+00

23	2.52454E-04	.00000E+00	1.09184E-08	.00000E+00
24	1.73950E-04	.00000E+00	1.91893E-06	.00000E+00
25	1.32491E-04	.00000E+00	1.51960E-06	.00000E+00
26	1.03224E-04	.00000E+00	1.14502E-06	.00000E+00
27	8.84918E-05	.00000E+00	1.73434E-07	.00000E+00
28	8.46295E-05	.00000E+00	4.15652E-09	.00000E+00
29	8.14847E-05	.00000E+00	9.35399E-08	.00000E+00
30	7.27923E-05	3.66640E-07	1.83573E-07	.00000E+00
31	6.22739E-05	.00000E+00	2.43297E-07	.00000E+00
32	5.00177E-05	2.19941E-07	7.75668E-07	.00000E+00
33	3.25853E-05	2.30871E-07	4.64507E-06	.00000E+00
34	2.15585E-05	.00000E+00	6.36315E-06	1.07418E-11
35	1.55223E-05	.00000E+00	5.55664E-06	1.49958E-11
36	1.12453E-05	2.16893E-06	4.87677E-06	2.66423E-11
37	8.62114E-06	4.17811E-06	4.48924E-06	6.46972E-11
38	6.46522E-06	2.95364E-06	4.73292E-06	1.40304E-10
39	4.62293E-06	2.30654E-06	9.52329E-06	1.25874E-10
40	3.44054E-06	2.64833E-06	9.21497E-06	1.63022E-10
41	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 42 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 38

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	1.97491E-02	1.45234E-02	7.22433E-07	1.04675E-02	6.29874E-03	7.22433E-07	1.45234E-02	1.53667E-07
2	3.02833E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.38904E-01	1.65884E+00	4.50595E-04	1.58940E+00	1.25129E+00	4.50595E-04	1.65884E+00	3.74954E-01
4	1.13106E-01	1.59867E+00	3.68080E-04	1.52161E+00	1.19883E+00	3.68080E-04	1.59867E+00	3.70137E-01
5	3.47189E-03	2.79894E-02	4.86229E-05	3.45015E-02	2.64940E-02	4.86229E-05	2.79894E-02	2.89056E-03
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	1.77045E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 10 THRU POS. 12 SAME AS ABOVE

13	2.10420E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
14	1.61404E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	4.22185E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	8.72983E-10	3.69232E-09	.00000E+00	2.53816E-09	1.64721E-09	.00000E+00	3.69232E-09	.00000E+00
17	1.51028E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	3.35870E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	2.19945E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	6.70748E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	1.28399E-08	.00000E+00	.00000E+00	1.29365E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	2.23817E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	9.13413E-09	1.76846E-06	.00000E+00	7.97482E-07	2.63562E-06	.00000E+00	1.76846E-06	.00000E+00
24	6.73583E-09	4.23012E-10	.00000E+00	8.58316E-10	1.85874E-10	.00000E+00	4.23012E-10	.00000E+00
25	6.54091E-09	1.26098E-07	.00000E+00	2.87081E-07	9.52377E-11	.00000E+00	1.26098E-07	.00000E+00
26	6.34424E-09	5.02470E-08	.00000E+00	3.47422E-08	1.82917E-08	.00000E+00	5.02470E-08	.00000E+00
27	3.42758E-09	3.66634E-09	.00000E+00	3.39630E-09	5.16199E-09	.00000E+00	3.66634E-09	.00000E+00
28	4.37679E-09	4.10501E-09	.00000E+00	3.02132E-09	1.87597E-09	.00000E+00	4.10501E-09	.00000E+00
29	5.30548E-09	3.90034E-10	.00000E+00	3.33291E-10	1.74001E-10	.00000E+00	3.90034E-10	.00000E+00
30	2.71758E-09	8.98765E-09	.00000E+00	1.18569E-08	6.65251E-10	.00000E+00	8.98765E-09	.00000E+00
31	1.85917E-09	1.75812E-08	.00000E+00	1.87218E-08	1.49507E-08	.00000E+00	1.75812E-08	2.55226E-08
32	3.01211E-09	2.34392E-08	.00000E+00	9.00078E-08	5.89629E-09	.00000E+00	2.34392E-08	.00000E+00
33	4.44292E-09	9.93103E-08	.00000E+00	2.47389E-07	7.30649E-08	.00000E+00	9.93103E-08	1.50770E-08
34	2.50856E-09	9.58597E-07	.00000E+00	1.46961E-06	3.93265E-07	.00000E+00	9.58597E-07	2.18856E-08
35	5.72041E-08	1.34615E-06	1.68685E-12	1.31899E-06	1.27079E-06	1.68685E-12	1.34615E-06	.00000E+00
36	6.62159E-07	1.17518E-06	1.67877E-12	1.17160E-06	1.09509E-06	1.67877E-12	1.17518E-06	.00000E+00
37	2.17324E-07	1.03099E-06	4.16023E-12	1.00611E-06	9.71630E-07	4.16023E-12	1.03099E-06	4.59546E-07
38	1.92527E-07	9.49483E-07	1.12329E-11	9.15748E-07	8.87379E-07	1.12329E-11	9.49483E-07	8.85241E-07
39	2.18854E-07	9.99211E-07	2.45469E-11	9.86444E-07	9.63741E-07	2.45469E-11	9.99211E-07	6.25825E-07
40	2.70242E-07	2.01357E-06	2.13426E-11	1.84719E-06	2.09673E-06	2.13426E-11	2.01357E-06	4.88711E-07

41	2.38969E-07	1.94936E-06	2.84845E-11	1.88890E-06	1.96303E-06	2.84845E-11	1.94936E-06	5.61128E-07
42	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 43 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.79733E-02	1.53667E-07	1.45234E-02	7.22433E-07
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.54104E+00	3.74954E-01	1.65884E+00	4.50595E-04
4	5.41402E-01	3.70137E-01	1.59867E+00	3.68080E-04
5	4.24687E-01	2.89056E-03	2.79894E-02	4.86229E-05
6	1.44084E-01	.00000E+00	.00000E+00	.00000E+00
7	6.51874E-02	.00000E+00	.00000E+00	.00000E+00
8	2.98933E-02	.00000E+00	.00000E+00	.00000E+00
9	1.59837E-02	.00000E+00	.00000E+00	.00000E+00
10	1.22082E-02	.00000E+00	.00000E+00	.00000E+00
11	1.10600E-02	.00000E+00	.00000E+00	.00000E+00
12	9.46109E-03	.00000E+00	.00000E+00	.00000E+00
13	7.31279E-03	.00000E+00	.00000E+00	.00000E+00
14	4.70949E-03	.00000E+00	.00000E+00	.00000E+00
15	2.47466E-03	.00000E+00	.00000E+00	.00000E+00
16	1.26444E-03	.00000E+00	3.69232E-09	.00000E+00
17	6.10013E-04	.00000E+00	.00000E+00	.00000E+00
18	3.66087E-04	.00000E+00	.00000E+00	.00000E+00
19	2.42788E-04	.00000E+00	.00000E+00	.00000E+00
20	1.68443E-04	.00000E+00	.00000E+00	.00000E+00
21	1.25687E-04	.00000E+00	.00000E+00	.00000E+00
22	9.87562E-05	.00000E+00	.00000E+00	.00000E+00
23	8.05302E-05	.00000E+00	1.76846E-06	.00000E+00
24	5.34892E-05	.00000E+00	4.23012E-10	.00000E+00
25	3.68561E-05	.00000E+00	1.26098E-07	.00000E+00
26	2.80727E-05	.00000E+00	5.02470E-08	.00000E+00
27	2.18706E-05	.00000E+00	3.66634E-09	.00000E+00
28	1.87498E-05	.00000E+00	4.10501E-09	.00000E+00
29	1.79319E-05	.00000E+00	3.90034E-10	.00000E+00
30	1.72648E-05	.00000E+00	8.98765E-09	.00000E+00
31	1.54237E-05	2.55226E-08	1.75812E-08	.00000E+00
32	1.31945E-05	.00000E+00	2.34392E-08	.00000E+00
33	1.05981E-05	1.50770E-08	9.93103E-08	.00000E+00
34	6.90088E-06	2.18856E-08	9.58597E-07	.00000E+00
35	4.56776E-06	.00000E+00	1.34615E-06	1.68685E-12
36	3.28795E-06	.00000E+00	1.17518E-06	1.67877E-12
37	2.38158E-06	4.59546E-07	1.03099E-06	4.16023E-12
38	1.82620E-06	8.85241E-07	9.49483E-07	1.12329E-11
39	1.36495E-06	6.25825E-07	9.99211E-07	2.45469E-11
40	9.72489E-07	4.88711E-07	2.01357E-06	2.13426E-11
41	7.21076E-07	5.61128E-07	1.94936E-06	2.84845E-11
42	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 43 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 39

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	7.49143E-02	1.08486E-02	1.05440E-06	1.30722E-02	2.83148E-03	1.05440E-06	1.08486E-02	2.19334E-07
2	4.22394E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.82905E-01	9.69160E-01	4.52984E-04	1.25642E+00	9.69101E-01	4.52984E-04	9.69160E-01	3.75086E-01
4	2.77456E-01	9.12662E-01	3.69934E-04	1.18566E+00	9.19101E-01	3.69934E-04	9.12662E-01	3.70236E-01
5	6.04589E-03	4.56056E-02	8.17937E-05	5.73018E-02	4.61033E-02	8.17937E-05	4.56056E-02	4.83531E-03
6	2.55535E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
8	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
9	4.80014E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 11 THRU POS. 13 SAME AS ABOVE

14	4.18525E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	3.48434E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	9.48677E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	1.95159E-10	8.66760E-10	.00000E+00	5.97368E-10	3.86677E-10	.00000E+00	8.66760E-10	.00000E+00
18	3.36447E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	7.53960E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	4.83681E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	2.93134E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	5.21425E-09	.00000E+00	.00000E+00	3.27774E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	1.05064E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	2.75024E-09	4.97796E-07	.00000E+00	2.24432E-07	7.41879E-07	.00000E+00	4.97796E-07	.00000E+00
25	1.93122E-09	1.10865E-10	.00000E+00	2.30979E-10	4.85081E-11	.00000E+00	1.10865E-10	.00000E+00
26	1.90557E-09	3.71100E-08	.00000E+00	8.38706E-08	2.69927E-11	.00000E+00	3.71100E-08	.00000E+00
27	1.89263E-09	1.35150E-08	.00000E+00	9.34782E-09	4.92141E-09	.00000E+00	1.35150E-08	.00000E+00
28	1.18540E-09	1.09848E-09	.00000E+00	1.00042E-09	1.55696E-09	.00000E+00	1.09848E-09	.00000E+00
29	1.48458E-09	1.25330E-09	.00000E+00	9.51618E-10	5.74040E-10	.00000E+00	1.25330E-09	.00000E+00
30	8.05113E-10	1.20015E-10	.00000E+00	6.18293E-11	5.35410E-11	.00000E+00	1.20015E-10	.00000E+00
31	1.04223E-09	2.80637E-09	.00000E+00	3.68196E-09	2.05408E-10	.00000E+00	2.80637E-09	.00000E+00
32	8.36750E-10	5.41865E-09	.00000E+00	5.75257E-09	4.66079E-09	.00000E+00	5.41865E-09	5.72246E-09
33	1.09705E-09	7.32820E-09	.00000E+00	3.17177E-08	1.84232E-09	.00000E+00	7.32820E-09	.00000E+00
34	1.42687E-09	3.80866E-08	.00000E+00	1.10277E-07	2.37071E-08	.00000E+00	3.80866E-08	3.33945E-09
35	9.46768E-10	4.49118E-07	.00000E+00	6.92451E-07	1.80601E-07	.00000E+00	4.49118E-07	7.03620E-09
36	9.73133E-08	6.35612E-07	6.81617E-13	6.22855E-07	6.00164E-07	6.81617E-13	6.35612E-07	.00000E+00
37	3.11697E-07	5.54811E-07	5.64260E-13	5.53208E-07	5.17129E-07	5.64260E-13	5.54811E-07	.00000E+00
38	1.02311E-07	4.86769E-07	1.70519E-12	4.75084E-07	4.58859E-07	1.70519E-12	4.86769E-07	2.17064E-07
39	9.55318E-08	4.48295E-07	4.81878E-12	4.32418E-07	4.19060E-07	4.81878E-12	4.48295E-07	4.18141E-07
40	9.47502E-08	4.71520E-07	7.54644E-12	4.65674E-07	4.55032E-07	7.54644E-12	4.71520E-07	2.95602E-07
41	1.04734E-07	9.50565E-07	9.04055E-12	8.72217E-07	9.90093E-07	9.04055E-12	9.50565E-07	2.30829E-07
42	8.53044E-08	9.20379E-07	1.23185E-11	8.91945E-07	9.27024E-07	1.23185E-11	9.20379E-07	2.65038E-07
43	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 44 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	2.62074E-02	2.19334E-07	1.08486E-02	1.05440E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.55191E+00	3.75086E-01	9.69160E-01	4.52984E-04
4	5.42460E-01	3.70236E-01	9.12662E-01	3.69934E-04
5	5.35378E-01	4.83531E-03	4.56056E-02	8.17937E-05
6	1.90169E-01	.00000E+00	.00000E+00	.00000E+00
7	6.80549E-02	.00000E+00	.00000E+00	.00000E+00
8	3.07908E-02	.00000E+00	.00000E+00	.00000E+00
9	1.41203E-02	.00000E+00	.00000E+00	.00000E+00
10	7.54966E-03	.00000E+00	.00000E+00	.00000E+00
11	5.76647E-03	.00000E+00	.00000E+00	.00000E+00
12	5.22403E-03	.00000E+00	.00000E+00	.00000E+00
13	4.46907E-03	.00000E+00	.00000E+00	.00000E+00
14	3.45407E-03	.00000E+00	.00000E+00	.00000E+00
15	2.22450E-03	.00000E+00	.00000E+00	.00000E+00
16	1.16890E-03	.00000E+00	.00000E+00	.00000E+00
17	5.97242E-04	.00000E+00	8.66760E-10	.00000E+00
18	2.88136E-04	.00000E+00	.00000E+00	.00000E+00
19	1.72917E-04	.00000E+00	.00000E+00	.00000E+00
20	1.14679E-04	.00000E+00	.00000E+00	.00000E+00
21	7.95629E-05	.00000E+00	.00000E+00	.00000E+00
22	5.93689E-05	.00000E+00	.00000E+00	.00000E+00
23	4.66475E-05	.00000E+00	.00000E+00	.00000E+00
24	3.80378E-05	.00000E+00	4.97796E-07	.00000E+00
25	2.52658E-05	.00000E+00	1.10865E-10	.00000E+00
26	1.74088E-05	.00000E+00	3.71100E-08	.00000E+00
27	1.32596E-05	.00000E+00	1.35150E-08	.00000E+00
28	1.03303E-05	.00000E+00	1.09848E-09	.00000E+00

29	8.85641E-06	.00000E+00	1.25330E-09	.00000E+00
30	8.47018E-06	.00000E+00	1.20015E-10	.00000E+00
31	8.15503E-06	.00000E+00	2.80637E-09	.00000E+00
32	7.28515E-06	5.72246E-09	5.41865E-09	.00000E+00
33	6.23239E-06	.00000E+00	7.32820E-09	.00000E+00
34	5.00585E-06	3.33945E-09	3.80866E-08	.00000E+00
35	3.25893E-06	7.03620E-09	4.49118E-07	.00000E+00
36	2.15754E-06	.00000E+00	6.35612E-07	6.81617E-13
37	1.55291E-06	.00000E+00	5.54811E-07	5.64260E-13
38	1.12471E-06	2.17064E-07	4.86769E-07	1.70519E-12
39	8.62470E-07	4.18141E-07	4.48295E-07	4.81878E-12
40	6.43767E-07	2.95602E-07	4.71520E-07	7.54644E-12
41	4.58109E-07	2.30829E-07	9.50565E-07	9.04055E-12
42	3.39391E-07	2.65038E-07	9.20379E-07	1.23185E-11
43	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 44 THRU POS.	70 SAME AS ABOVE		

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 40

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	5.62516E-02	2.64908E-02	1.64334E-06	3.24410E-02	4.48252E-03	1.64334E-06	2.64908E-02	3.38432E-07
2	9.33444E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.95661E-01	1.01023E+00	4.54566E-04	1.30417E+00	9.94126E-01	4.54566E-04	1.01023E+00	3.75119E-01
4	1.32736E-01	9.49074E-01	3.91443E-04	1.22812E+00	9.53616E-01	3.91443E-04	9.49074E-01	3.71523E-01
5	3.05369E-02	4.56243E-02	8.19925E-05	5.76789E-02	4.71333E-02	8.19925E-05	4.56243E-02	4.82970E-03
6	4.26993E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 8 THRU POS.	9 SAME AS ABOVE						
10	1.38882E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 12 THRU POS.	14 SAME AS ABOVE						
15	7.21424E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	7.87715E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	2.38426E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	4.85716E-11	2.32049E-10	.00000E+00	1.61973E-10	1.03521E-10	.00000E+00	2.32049E-10	.00000E+00
19	8.30803E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	1.74448E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	1.17376E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	1.58943E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	2.70637E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	5.73573E-10	.00000E+00	.00000E+00	1.04684E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	1.08904E-09	1.73170E-07	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	7.30272E-10	3.51978E-11	.00000E+00	7.80643E-08	2.58073E-07	.00000E+00	1.73170E-07	.00000E+00
27	7.27275E-10	1.39158E-08	.00000E+00	7.79294E-11	1.53001E-11	.00000E+00	3.51978E-11	.00000E+00
28	7.43449E-10	5.75782E-09	.00000E+00	3.12102E-08	9.92868E-12	.00000E+00	1.39158E-08	.00000E+00
29	5.36178E-10	4.21502E-10	.00000E+00	3.97862E-09	2.09628E-09	.00000E+00	5.75782E-09	.00000E+00
30	5.96936E-10	4.81539E-10	.00000E+00	3.75920E-10	5.97276E-10	.00000E+00	4.21502E-10	.00000E+00
31	4.43434E-10	4.68083E-11	.00000E+00	3.73472E-10	2.19971E-10	.00000E+00	4.81539E-10	.00000E+00
32	5.10869E-10	1.11066E-09	.00000E+00	2.41146E-11	2.08820E-11	.00000E+00	4.68083E-11	.00000E+00
33	4.50358E-10	2.13415E-09	.00000E+00	1.44965E-09	8.03938E-11	.00000E+00	1.11066E-09	.00000E+00
34	5.15981E-10	2.90170E-09	.00000E+00	2.26362E-09	1.84082E-09	.00000E+00	2.13415E-09	1.50209E-09
35	5.85877E-10	1.85983E-08	.00000E+00	1.43639E-08	7.28289E-10	.00000E+00	2.90170E-09	.00000E+00
36	4.24331E-10	2.52899E-07	.00000E+00	6.02284E-08	9.78041E-09	.00000E+00	1.85983E-08	8.90058E-10
37	2.82002E-10	3.59642E-07	3.34242E-13	3.91280E-07	1.00412E-07	.00000E+00	2.52899E-07	3.03919E-09
38	1.36827E-07	3.13904E-07	1.95724E-13	3.52447E-07	3.39617E-07	3.34242E-13	3.59642E-07	.00000E+00
39	4.04354E-08	2.75402E-07	8.31924E-13	3.13020E-07	2.92620E-07	1.95724E-13	3.13904E-07	.00000E+00
40	3.31697E-08	2.53645E-07	2.52374E-12	2.68809E-07	2.59645E-07	8.31924E-13	2.75402E-07	1.22842E-07
41	3.19406E-08	2.66683E-07	3.52368E-12	2.44677E-07	2.37131E-07	2.52374E-12	2.53645E-07	2.36635E-07
42	3.50622E-08	5.37779E-07	4.61636E-12	2.63429E-07	2.57412E-07	3.52368E-12	2.66683E-07	1.67286E-07
43	2.85439E-08	5.20675E-07	6.41823E-12	4.93498E-07	5.60225E-07	4.61636E-12	5.37779E-07	1.30632E-07
44	.00000E+00	.00000E+00	.00000E+00	5.04629E-07	5.24481E-07	6.41823E-12	5.20675E-07	1.49988E-07
	POS. 45 THRU POS.	70 SAME AS ABOVE		.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	4.08167E-02	3.38432E-07	2.64908E-02	1.64334E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.56809E+00	3.75119E-01	1.01023E+00	4.54566E-04
4	6.48775E-01	3.71523E-01	9.49074E-01	3.91443E-04
5	6.35100E-01	4.82970E-03	4.56243E-02	8.19925E-05
6	2.82089E-01	.00000E+00	.00000E+00	.00000E+00
7	1.07619E-01	.00000E+00	.00000E+00	.00000E+00
8	3.85155E-02	.00000E+00	.00000E+00	.00000E+00
9	1.74253E-02	.00000E+00	.00000E+00	.00000E+00
10	7.99051E-03	.00000E+00	.00000E+00	.00000E+00
11	4.27253E-03	.00000E+00	.00000E+00	.00000E+00
12	3.26338E-03	.00000E+00	.00000E+00	.00000E+00
13	2.95637E-03	.00000E+00	.00000E+00	.00000E+00
14	2.52914E-03	.00000E+00	.00000E+00	.00000E+00
15	1.95473E-03	.00000E+00	.00000E+00	.00000E+00
16	1.25891E-03	.00000E+00	.00000E+00	.00000E+00
17	6.61467E-04	.00000E+00	.00000E+00	.00000E+00
18	3.37991E-04	.00000E+00	2.32049E-10	.00000E+00
19	1.63061E-04	.00000E+00	.00000E+00	.00000E+00
20	9.78614E-05	.00000E+00	.00000E+00	.00000E+00
21	6.48999E-05	.00000E+00	.00000E+00	.00000E+00
22	4.50269E-05	.00000E+00	.00000E+00	.00000E+00
23	3.35984E-05	.00000E+00	.00000E+00	.00000E+00
24	2.63988E-05	.00000E+00	.00000E+00	.00000E+00
25	2.15265E-05	.00000E+00	1.73170E-07	.00000E+00
26	1.42986E-05	.00000E+00	3.51978E-11	.00000E+00
27	9.85193E-06	.00000E+00	1.39158E-08	.00000E+00
28	7.50426E-06	.00000E+00	5.75782E-09	.00000E+00
29	5.84628E-06	.00000E+00	4.21502E-10	.00000E+00
30	5.01203E-06	.00000E+00	4.81539E-10	.00000E+00
31	4.79332E-06	.00000E+00	4.68083E-11	.00000E+00
32	4.61495E-06	.00000E+00	1.11066E-09	.00000E+00
33	4.12290E-06	1.50209E-09	2.13415E-09	.00000E+00
34	3.52704E-06	.00000E+00	2.90170E-09	.00000E+00
35	2.83293E-06	8.90058E-10	1.85983E-08	.00000E+00
36	1.84407E-06	3.03919E-09	2.52899E-07	.00000E+00
37	1.22103E-06	.00000E+00	3.59642E-07	3.34242E-13
38	8.78727E-07	.00000E+00	3.13904E-07	1.95724E-13
39	6.36446E-07	1.22842E-07	2.75402E-07	8.31924E-13
40	4.88091E-07	2.36635E-07	2.53645E-07	2.52374E-12
41	3.63993E-07	1.67286E-07	2.66683E-07	3.52368E-12
42	2.67375E-07	1.30632E-07	5.37779E-07	4.61636E-12
43	2.94979E-07	1.49988E-07	5.20675E-07	6.41823E-12
44	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 45 THRU POS. 70 SAME AS ABOVE			

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 41

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	3.20655E-01	9.17424E-03	2.90120E-06	1.08730E-02	8.08506E-03	2.90120E-06	9.17424E-03	5.96066E-07
2	1.60976E-02	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	6.55207E-01	9.80875E-01	4.56271E-04	1.26419E+00	1.01109E+00	4.56271E-04	9.80875E-01	3.75152E-01
4	3.31140E-01	9.43935E-01	4.04349E-04	1.21844E+00	9.74104E-01	4.04349E-04	9.43935E-01	3.72282E-01
5	6.67516E-03	3.46373E-02	6.14804E-05	4.36000E-02	3.59879E-02	6.14804E-05	3.46373E-02	3.61625E-03
6	2.40081E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 8 THRU POS. 10 SAME AS ABOVE							
11	2.00770E-09	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 13 THRU POS. 15 SAME AS ABOVE							
16	1.64379E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

17	7.55641E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	3.54942E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	7.02853E-12	4.23308E-11	.00000E+00	3.03030E-11	1.88845E-11	.00000E+00	4.23308E-11	.00000E+00
20	1.19315E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	5.81143E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	1.68037E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	6.36846E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	1.05517E-09	.00000E+00	.00000E+00	2.45575E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	1.31164E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	2.05923E-10	4.56649E-08	.00000E+00	2.05816E-08	6.80517E-08	.00000E+00	4.56649E-08	.00000E+00
27	1.90350E-10	6.67671E-12	.00000E+00	1.85392E-11	2.86340E-12	.00000E+00	6.67671E-12	.00000E+00
28	1.36241E-10	3.58713E-09	.00000E+00	8.29777E-09	2.72647E-12	.00000E+00	3.58713E-09	.00000E+00
29	1.43299E-10	1.80281E-09	.00000E+00	1.24436E-09	6.56271E-10	.00000E+00	1.80281E-09	.00000E+00
30	1.02221E-10	7.43525E-11	.00000E+00	8.29433E-11	1.02928E-10	.00000E+00	7.43525E-11	.00000E+00
31	1.09443E-10	1.38827E-10	.00000E+00	1.06522E-10	6.33282E-11	.00000E+00	1.38827E-10	.00000E+00
32	9.06658E-11	1.23954E-11	.00000E+00	6.38585E-12	5.52982E-12	.00000E+00	1.23954E-11	.00000E+00
33	9.69237E-11	3.30874E-10	.00000E+00	4.29560E-10	2.36846E-11	.00000E+00	3.30874E-10	.00000E+00
34	9.14778E-11	6.24488E-10	.00000E+00	6.46911E-10	5.45994E-10	.00000E+00	6.24488E-10	2.63444E-10
35	1.01291E-10	7.90803E-10	.00000E+00	4.93482E-09	1.26618E-10	.00000E+00	7.90803E-10	.00000E+00
36	1.07311E-10	6.67485E-09	.00000E+00	2.42283E-08	2.76151E-09	.00000E+00	6.67485E-09	1.36996E-10
37	8.11193E-11	1.04304E-07	.00000E+00	1.62148E-07	4.06619E-08	.00000E+00	1.04304E-07	1.00431E-09
38	6.13014E-11	1.49313E-07	1.28973E-14	1.46333E-07	1.41007E-07	1.28973E-14	1.49313E-07	.00000E+00
39	3.18622E-08	1.30321E-07	3.21045E-14	1.29959E-07	1.21497E-07	3.21045E-14	1.30321E-07	.00000E+00
40	7.55079E-09	1.14328E-07	3.13927E-13	1.11583E-07	1.07803E-07	3.13927E-13	1.14328E-07	5.16193E-08
41	6.23707E-09	1.05307E-07	9.19079E-13	1.01587E-07	9.84585E-08	9.19079E-13	1.05307E-07	9.82568E-08
42	5.26274E-09	1.11384E-07	1.30010E-12	1.09659E-07	1.07771E-07	1.30010E-12	1.11384E-07	6.94614E-08
43	5.12900E-09	2.25273E-07	1.74166E-12	2.07519E-07	2.32500E-07	1.74166E-12	2.25273E-07	5.42422E-08
44	4.27295E-09	2.16069E-07	2.50217E-12	2.09449E-07	2.17658E-07	2.50217E-12	2.16069E-07	6.22790E-08
45	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 46 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	7.21281E-02	5.96066E-07	9.17424E-03	2.90120E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.60019E+00	3.75152E-01	9.80875E-01	4.56271E-04
4	7.38057E-01	3.72282E-01	9.43935E-01	4.04349E-04
5	6.34715E-01	3.61625E-03	3.46373E-02	6.14804E-05
6	2.48401E-01	.00000E+00	.00000E+00	.00000E+00
7	1.17134E-01	.00000E+00	.00000E+00	.00000E+00
8	4.46880E-02	.00000E+00	.00000E+00	.00000E+00
9	1.59929E-02	.00000E+00	.00000E+00	.00000E+00
10	7.23581E-03	.00000E+00	.00000E+00	.00000E+00
11	3.31806E-03	.00000E+00	.00000E+00	.00000E+00
12	1.77411E-03	.00000E+00	.00000E+00	.00000E+00
13	1.35504E-03	.00000E+00	.00000E+00	.00000E+00
14	1.22759E-03	.00000E+00	.00000E+00	.00000E+00
15	1.05020E-03	.00000E+00	.00000E+00	.00000E+00
16	8.11684E-04	.00000E+00	.00000E+00	.00000E+00
17	5.22732E-04	.00000E+00	.00000E+00	.00000E+00
18	2.74674E-04	.00000E+00	.00000E+00	.00000E+00
19	1.40347E-04	.00000E+00	4.23308E-11	.00000E+00
20	6.77061E-05	.00000E+00	.00000E+00	.00000E+00
21	4.06342E-05	.00000E+00	.00000E+00	.00000E+00
22	2.69482E-05	.00000E+00	.00000E+00	.00000E+00
23	1.86965E-05	.00000E+00	.00000E+00	.00000E+00
24	1.39512E-05	.00000E+00	.00000E+00	.00000E+00
25	1.09619E-05	.00000E+00	.00000E+00	.00000E+00
26	8.93866E-06	.00000E+00	4.56649E-08	.00000E+00
27	5.93709E-06	.00000E+00	6.67671E-12	.00000E+00
28	4.09086E-06	.00000E+00	3.58713E-09	.00000E+00
29	3.11593E-06	.00000E+00	1.80281E-09	.00000E+00

30	2.42755E-06	.00000E+00	7.43525E-11	.00000E+00
31	2.08119E-06	.00000E+00	1.38827E-10	.00000E+00
32	1.99032E-06	.00000E+00	1.23954E-11	.00000E+00
33	1.91630E-06	.00000E+00	3.30874E-10	.00000E+00
34	1.71200E-06	2.63444E-10	6.24488E-10	.00000E+00
35	1.46453E-06	.00000E+00	7.90803E-10	.00000E+00
36	1.17634E-06	1.36996E-10	6.67485E-09	.00000E+00
37	9.64565E-07	1.00431E-09	1.04304E-07	.00000E+00
38	6.92727E-07	.00000E+00	1.49313E-07	1.28973E-14
39	4.95737E-07	.00000E+00	1.30321E-07	3.21045E-14
40	3.56699E-07	5.16193E-08	1.14328E-07	3.13927E-13
41	2.71984E-07	9.82568E-08	1.05307E-07	9.19079E-13
42	2.01102E-07	6.94614E-08	1.11384E-07	1.30010E-12
43	1.32855E-07	5.42422E-08	2.25273E-07	1.74166E-12
44	1.51065E-10	6.22790E-08	2.16069E-07	2.50217E-12
45	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 46 THRU POS. 70 SAME AS ABOVE			

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 42

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	6.24515E-01	1.34967E-02	4.73880E-06	1.59853E-02	1.32992E-02	4.73880E-06	1.34967E-02	9.68810E-07
2	1.58883E-02	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.43993E-01	9.88664E-01	4.58322E-04	1.27232E+00	1.02081E+00	4.58322E-04	9.88664E-01	3.75152E-01
4	1.13805E-01	9.28700E-01	3.71699E-04	1.19799E+00	9.59117E-01	3.71699E-04	9.28700E-01	3.70368E-01
5	3.42845E-03	2.77786E-02	4.90223E-05	3.48909E-02	2.89178E-02	4.90223E-05	2.77786E-02	2.88093E-03
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 7 THRU POS. 11 SAME AS ABOVE							
12	1.39827E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 14 THRU POS. 16 SAME AS ABOVE							
17	6.29532E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
18	5.82790E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	2.57305E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	6.21662E-14	4.67043E-12	.00000E+00	3.43241E-12	2.08356E-12	.00000E+00	4.67043E-12	.00000E+00
21	7.83790E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	1.66575E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	2.61305E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	1.20070E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	1.81154E-10	.00000E+00	.00000E+00	3.42148E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	1.31575E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
27	1.61787E-11	7.35068E-09	.00000E+00	3.31162E-09	1.09543E-08	.00000E+00	7.35068E-09	.00000E+00
28	6.93325E-12	.00000E+00	.00000E+00	1.95001E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00
29	8.93716E-12	3.63679E-10	.00000E+00	8.34754E-10	1.89726E-13	.00000E+00	3.63679E-10	.00000E+00
30	6.13679E-12	3.11328E-10	.00000E+00	2.14076E-10	1.13324E-10	.00000E+00	3.11328E-10	.00000E+00
31	6.07919E-12	.00000E+00	.00000E+00	5.19880E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00
32	6.24910E-12	1.89124E-11	.00000E+00	1.42317E-11	8.71869E-12	.00000E+00	1.89124E-11	.00000E+00
33	6.28488E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
34	6.32363E-12	4.24151E-11	.00000E+00	5.45538E-11	3.01191E-12	.00000E+00	4.24151E-11	.00000E+00
35	6.34381E-12	3.68304E-11	.00000E+00	5.97709E-11	.00000E+00	.00000E+00	3.68304E-11	.00000E+00
36	6.26085E-12	1.08216E-10	.00000E+00	9.20421E-10	.00000E+00	.00000E+00	1.08216E-10	.00000E+00
37	5.70521E-12	1.14102E-09	.00000E+00	4.95477E-09	2.44733E-10	.00000E+00	1.14102E-09	.00000E+00
38	8.31712E-12	2.20241E-08	.00000E+00	3.43288E-08	8.49087E-09	.00000E+00	2.20241E-08	2.63959E-10
39	8.04978E-12	3.16340E-08	.00000E+00	3.10030E-08	2.98756E-08	.00000E+00	3.16340E-08	.00000E+00
40	3.64868E-09	2.76099E-08	1.63576E-15	2.75341E-08	2.57411E-08	1.63576E-15	2.76099E-08	.00000E+00
41	5.43369E-10	2.42191E-08	2.81802E-14	2.36352E-08	2.28395E-08	2.81802E-14	2.42191E-08	1.10309E-08
42	4.35861E-10	2.22961E-08	1.49596E-13	2.14708E-08	2.08603E-08	1.49596E-13	2.22961E-08	2.08183E-08
43	3.66738E-10	2.35921E-08	2.19406E-13	2.32307E-08	2.28054E-08	2.19406E-13	2.35921E-08	1.47174E-08
44	3.63980E-10	4.78063E-08	3.52203E-13	4.40646E-08	4.92114E-08	3.52203E-13	4.78063E-08	1.14924E-08
45	3.04944E-10	4.57209E-08	4.91797E-13	4.43320E-08	4.60566E-08	4.91797E-13	4.57209E-08	1.31889E-08
46	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 47 THRU POS. 70 SAME AS ABOVE							

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.17881E-01	9.68810E-07	1.34967E-02	4.73880E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.64757E+00	3.75152E-01	9.88664E-01	4.58322E-04
4	5.44451E-01	3.70368E-01	9.28700E-01	3.71699E-04
5	4.27221E-01	2.88093E-03	2.77786E-02	4.90223E-05
6	1.28629E-01	.00000E+00	.00000E+00	.00000E+00
7	5.26292E-02	.00000E+00	.00000E+00	.00000E+00
8	2.48170E-02	.00000E+00	.00000E+00	.00000E+00
9	9.46833E-03	.00000E+00	.00000E+00	.00000E+00
10	3.38847E-03	.00000E+00	.00000E+00	.00000E+00
11	1.53303E-03	.00000E+00	.00000E+00	.00000E+00
12	7.02986E-04	.00000E+00	.00000E+00	.00000E+00
13	3.75884E-04	.00000E+00	.00000E+00	.00000E+00
14	2.87103E-04	.00000E+00	.00000E+00	.00000E+00
15	2.60093E-04	.00000E+00	.00000E+00	.00000E+00
16	2.22503E-04	.00000E+00	.00000E+00	.00000E+00
17	1.71970E-04	.00000E+00	.00000E+00	.00000E+00
18	1.10751E-04	.00000E+00	.00000E+00	.00000E+00
19	5.81964E-05	.00000E+00	.00000E+00	.00000E+00
20	2.97354E-05	.00000E+00	4.67043E-12	.00000E+00
21	1.43459E-05	.00000E+00	.00000E+00	.00000E+00
22	8.60901E-06	.00000E+00	.00000E+00	.00000E+00
23	5.70969E-06	.00000E+00	.00000E+00	.00000E+00
24	3.96130E-06	.00000E+00	.00000E+00	.00000E+00
25	2.95584E-06	.00000E+00	.00000E+00	.00000E+00
26	2.32247E-06	.00000E+00	.00000E+00	.00000E+00
27	1.89380E-06	.00000E+00	7.35068E-09	.00000E+00
28	1.25793E-06	.00000E+00	.00000E+00	.00000E+00
29	8.66757E-07	.00000E+00	3.63679E-10	.00000E+00
30	6.99301E-07	.00000E+00	3.11328E-10	.00000E+00
31	9.42162E-07	.00000E+00	.00000E+00	.00000E+00
32	8.04841E-07	.00000E+00	1.89124E-11	.00000E+00
33	7.68850E-07	.00000E+00	.00000E+00	.00000E+00
34	7.39504E-07	.00000E+00	4.24151E-11	.00000E+00
35	6.58704E-07	.00000E+00	3.68304E-11	.00000E+00
36	5.60974E-07	.00000E+00	1.08216E-10	.00000E+00
37	4.47407E-07	.00000E+00	1.14102E-09	.00000E+00
38	8.72997E-08	2.63959E-10	2.20241E-08	.00000E+00
39	8.21890E-13	.00000E+00	3.16340E-08	.00000E+00
40	9.32564E-12	.00000E+00	2.76099E-08	1.63576E-15
41	3.09433E-11	1.10309E-08	2.42191E-08	2.81802E-14
42	2.08692E-13	2.08183E-08	2.22961E-08	1.49596E-13
43	1.80418E-13	1.47174E-08	2.35921E-08	2.19406E-13
44	2.74545E-12	1.14924E-08	4.78063E-08	3.52203E-13
45	8.06647E-12	1.31889E-08	4.57209E-08	4.91797E-13
46	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 47 THRU POS. 70 SAME AS ABOVE			

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 43

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	1.55740E-02	2.10183E-02	7.37817E-06	2.49488E-02	2.07607E-02	7.37817E-06	2.10183E-02	1.50391E-06
2	5.81884E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.44994E-02	9.97347E-01	4.61111E-04	1.28229E+00	1.02978E+00	4.61111E-04	9.97347E-01	3.75185E-01
4	7.46955E-02	9.42029E-01	3.93290E-04	1.21433E+00	9.73269E-01	3.93290E-04	9.42029E-01	3.71622E-01
5	5.66497E-03	4.64605E-02	8.18947E-05	5.83277E-02	4.83870E-02	8.18947E-05	4.64605E-02	4.81155E-03
6	2.54459E-08	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 8 THRU POS. 12 SAME AS ABOVE							
13	3.47449E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

	POS. 15 THRU POS. 17 SAME AS ABOVE						
18	1.60502E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
19	3.59089E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	7.15372E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	1.34035E-14	1.84105E-12	.00000E+00	1.23017E-12	8.21324E-13	.00000E+00	1.84105E-12	.00000E+00
22	8.30301E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	3.57377E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	3.62704E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	4.48289E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	6.73616E-11	.00000E+00	.00000E+00	1.00957E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00
27	4.11359E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
28	3.20291E-12	2.96667E-09	.00000E+00	1.33717E-09	4.42147E-09	.00000E+00	2.96667E-09	.00000E+00
29	1.74105E-12	.00000E+00	.00000E+00	2.58545E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00
30	1.49708E-12	1.46463E-10	.00000E+00	3.16739E-10	.00000E+00	.00000E+00	1.46463E-10	.00000E+00
31	1.52414E-12	1.57224E-10	.00000E+00	1.08002E-10	5.71527E-11	.00000E+00	1.57224E-10	.00000E+00
32	1.50978E-12	.00000E+00	.00000E+00	1.41734E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00
33	1.55199E-12	7.88762E-12	.00000E+00	6.33715E-12	3.54229E-12	.00000E+00	7.88762E-12	.00000E+00
34	1.56084E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
35	1.56812E-12	.00000E+00	.00000E+00	9.87298E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00
36	1.57298E-12	.00000E+00	.00000E+00	5.08075E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00
37	1.55485E-12	2.80947E-11	.00000E+00	4.01020E-10	.00000E+00	.00000E+00	2.80947E-11	.00000E+00
38	1.41439E-12	5.89389E-10	.00000E+00	2.76774E-09	6.58241E-11	.00000E+00	5.89389E-10	.00000E+00
39	3.37941E-12	1.24389E-08	.00000E+00	1.94174E-08	4.76540E-09	.00000E+00	1.24389E-08	1.49381E-10
40	3.68002E-12	1.79024E-08	.00000E+00	1.75451E-08	1.69074E-08	.00000E+00	1.79024E-08	.00000E+00
41	1.31776E-09	1.56246E-08	.00000E+00	1.55817E-08	1.45672E-08	.00000E+00	1.56246E-08	.00000E+00
42	1.38761E-10	1.37061E-08	9.73319E-15	1.33750E-08	1.29254E-08	9.73319E-15	1.37061E-08	6.24242E-09
43	1.09423E-10	1.26153E-08	7.48844E-14	1.21415E-08	1.18055E-08	7.48844E-14	1.26153E-08	1.17814E-08
44	9.15441E-11	1.33183E-08	9.65063E-14	1.31091E-08	1.28781E-08	9.65063E-14	1.33183E-08	8.32883E-09
45	9.19042E-11	2.70136E-08	1.71138E-13	2.48884E-08	2.78085E-08	1.71138E-13	2.70136E-08	6.50371E-09
46	7.39882E-11	2.57895E-08	2.70492E-13	2.50237E-08	2.59673E-08	2.70492E-13	2.57895E-08	7.45223E-09
47	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

	POS. 48 THRU POS. 70 SAME AS ABOVE			
0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.83607E-01	1.50391E-06	2.10183E-02	7.37817E-06
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.72032E+00	3.75185E-01	9.97347E-01	4.61111E-04
4	6.98247E-01	3.71622E-01	9.42029E-01	3.93290E-04
5	6.36309E-01	4.81155E-03	4.64605E-02	8.18947E-05
6	2.29319E-01	.00000E+00	.00000E+00	.00000E+00
7	7.27923E-02	.00000E+00	.00000E+00	.00000E+00
8	2.97835E-02	.00000E+00	.00000E+00	.00000E+00
9	1.40446E-02	.00000E+00	.00000E+00	.00000E+00
10	5.35826E-03	.00000E+00	.00000E+00	.00000E+00
11	1.91755E-03	.00000E+00	.00000E+00	.00000E+00
12	8.67547E-04	.00000E+00	.00000E+00	.00000E+00
13	3.97841E-04	.00000E+00	.00000E+00	.00000E+00
14	2.12718E-04	.00000E+00	.00000E+00	.00000E+00
15	1.62475E-04	.00000E+00	.00000E+00	.00000E+00
16	1.47190E-04	.00000E+00	.00000E+00	.00000E+00
17	1.25918E-04	.00000E+00	.00000E+00	.00000E+00
18	9.73218E-05	.00000E+00	.00000E+00	.00000E+00
19	6.26772E-05	.00000E+00	.00000E+00	.00000E+00
20	3.29345E-05	.00000E+00	.00000E+00	.00000E+00
21	1.68278E-05	.00000E+00	1.84105E-12	.00000E+00
22	8.11881E-06	.00000E+00	.00000E+00	.00000E+00
23	4.87214E-06	.00000E+00	.00000E+00	.00000E+00
24	3.23121E-06	.00000E+00	.00000E+00	.00000E+00
25	2.24174E-06	.00000E+00	.00000E+00	.00000E+00
26	1.90492E-06	.00000E+00	.00000E+00	.00000E+00
27	2.02388E-06	.00000E+00	.00000E+00	.00000E+00

28	1.64390E-06	.00000E+00	2.96667E-09	.00000E+00
29	1.08146E-06	.00000E+00	.00000E+00	.00000E+00
30	7.36674E-07	.00000E+00	1.46463E-10	.00000E+00
31	5.16205E-07	.00000E+00	1.57224E-10	.00000E+00
32	.00000E+00	.00000E+00	.00000E+00	.00000E+00
33	.00000E+00	.00000E+00	7.88762E-12	.00000E+00
34	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 35 THRU POS.	36 SAME AS ABOVE		
37	.00000E+00	.00000E+00	2.80947E-11	.00000E+00
38	.00000E+00	.00000E+00	5.89389E-10	.00000E+00
39	7.45088E-11	1.49381E-10	1.24389E-08	.00000E+00
40	1.32237E-13	.00000E+00	1.79024E-08	.00000E+00
41	4.13599E-12	.00000E+00	1.56246E-08	.00000E+00
42	1.04205E-11	6.24242E-09	1.37061E-08	9.73319E-15
43	.00000E+00	1.17814E-08	1.26153E-08	7.48844E-14
44	.00000E+00	8.32883E-09	1.33183E-08	9.65063E-14
45	.00000E+00	6.50371E-09	2.70136E-08	1.71138E-13
46	1.23951E-12	7.45223E-09	2.57895E-08	2.70492E-13
47	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 48 THRU POS.	70 SAME AS ABOVE		

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 44

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	3.41906E-01	3.23725E-02	1.13553E-05	3.84655E-02	3.19971E-02	1.13553E-05	3.23725E-02	2.30878E-06
2	6.10013E-03	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.48357E-01	1.00924E+00	4.65297E-04	1.29631E+00	1.04169E+00	4.65297E-04	1.00924E+00	3.75185E-01
4	1.00764E-01	9.34498E-01	3.77965E-04	1.20451E+00	9.65658E-01	3.77965E-04	9.34498E-01	3.67960E-01
5	4.22916E-03	3.42804E-02	6.04280E-05	4.30215E-02	3.57115E-02	6.04280E-05	3.42804E-02	3.56907E-03
6	2.39581E-10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 8 THRU POS.	13 SAME AS ABOVE						
14	4.23676E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 16 THRU POS.	18 SAME AS ABOVE						
19	1.70458E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
20	2.67211E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
21	1.33510E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	7.61377E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	5.77151E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	7.19523E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
27	1.09591E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
28	5.52762E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
29	1.91641E-13	3.31260E-10	.00000E+00	1.49730E-10	4.93704E-10	.00000E+00	3.31260E-10	.00000E+00
30	1.15631E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
31	9.33471E-14	1.55873E-11	.00000E+00	3.34344E-11	.00000E+00	.00000E+00	1.55873E-11	.00000E+00
32	9.38625E-14	4.44662E-11	.00000E+00	3.05450E-11	1.61639E-11	.00000E+00	4.44662E-11	.00000E+00
33	9.29771E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
34	9.55757E-14	.00000E+00	.00000E+00	2.77502E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00
35	9.61207E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
36	9.65696E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
37	9.68713E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
38	9.57559E-14	.00000E+00	.00000E+00	9.18865E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00
39	8.69597E-14	1.74941E-10	.00000E+00	8.46575E-10	1.22530E-11	.00000E+00	1.74941E-10	.00000E+00
40	7.65974E-13	3.81784E-09	.00000E+00	5.96132E-09	1.46265E-09	.00000E+00	3.81784E-09	1.92281E-11
41	9.37179E-13	5.49488E-09	.00000E+00	5.38596E-09	5.19082E-09	.00000E+00	5.49488E-09	.00000E+00
42	2.44482E-10	4.79665E-09	.00000E+00	4.78368E-09	4.47270E-09	.00000E+00	4.79665E-09	.00000E+00
43	8.68776E-12	4.20596E-09	.00000E+00	4.10492E-09	3.96796E-09	.00000E+00	4.20596E-09	1.91687E-09
44	7.24482E-12	3.86648E-09	2.27165E-14	3.70981E-09	3.62401E-09	2.27165E-14	3.86648E-09	3.61757E-09
45	6.09896E-12	4.06295E-09	2.67046E-14	3.97603E-09	3.94902E-09	2.67046E-14	4.06295E-09	2.55751E-09

46	2.72371E-12	8.08375E-09	4.01257E-14	7.46141E-09	8.29324E-09	4.01257E-14	8.08375E-09	1.99714E-09
47	2.35216E-12	7.74278E-09	8.18893E-14	7.49369E-09	7.76661E-09	8.18893E-14	7.74278E-09	2.27892E-09
48	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 49 THRU POS. 70 SAME AS ABOVE							

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	2.82669E-01	2.30878E-06	3.23725E-02	1.13553E-05
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.86029E+00	3.75185E-01	1.00924E+00	4.65297E-04
4	6.73342E-01	3.67960E-01	9.34498E-01	3.77965E-04
5	4.69847E-01	3.56907E-03	3.42804E-02	6.04280E-05
6	1.84103E-01	.00000E+00	.00000E+00	.00000E+00
7	7.04170E-02	.00000E+00	.00000E+00	.00000E+00
8	2.23522E-02	.00000E+00	.00000E+00	.00000E+00
9	9.14592E-03	.00000E+00	.00000E+00	.00000E+00
10	4.31260E-03	.00000E+00	.00000E+00	.00000E+00
11	1.64534E-03	.00000E+00	.00000E+00	.00000E+00
12	5.88833E-04	.00000E+00	.00000E+00	.00000E+00
13	2.66403E-04	.00000E+00	.00000E+00	.00000E+00
14	1.22167E-04	.00000E+00	.00000E+00	.00000E+00
15	6.53196E-05	.00000E+00	.00000E+00	.00000E+00
16	4.98913E-05	.00000E+00	.00000E+00	.00000E+00
17	4.51980E-05	.00000E+00	.00000E+00	.00000E+00
18	3.86662E-05	.00000E+00	.00000E+00	.00000E+00
19	2.98848E-05	.00000E+00	.00000E+00	.00000E+00
20	1.92466E-05	.00000E+00	.00000E+00	.00000E+00
21	1.01132E-05	.00000E+00	.00000E+00	.00000E+00
22	5.16731E-06	.00000E+00	.00000E+00	.00000E+00
23	2.49295E-06	.00000E+00	.00000E+00	.00000E+00
24	2.07652E-06	.00000E+00	.00000E+00	.00000E+00
25	1.80523E-06	.00000E+00	.00000E+00	.00000E+00
26	1.23819E-06	.00000E+00	.00000E+00	.00000E+00
27	6.81272E-07	.00000E+00	.00000E+00	.00000E+00
28	.00000E+00	.00000E+00	.00000E+00	.00000E+00
29	.00000E+00	.00000E+00	3.31260E-10	.00000E+00
30	.00000E+00	.00000E+00	.00000E+00	.00000E+00
31	.00000E+00	.00000E+00	1.55873E-11	.00000E+00
32	.00000E+00	.00000E+00	4.44662E-11	.00000E+00
33	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 34 THRU POS. 38 SAME AS ABOVE			
39	.00000E+00	.00000E+00	1.74941E-10	.00000E+00
40	2.23065E-11	1.92281E-11	3.81784E-09	.00000E+00
41	.00000E+00	.00000E+00	5.49488E-09	.00000E+00
42	1.18223E-12	.00000E+00	4.79665E-09	.00000E+00
43	.00000E+00	1.91687E-09	4.20596E-09	.00000E+00
44	.00000E+00	3.61757E-09	3.86648E-09	2.27165E-14
45	.00000E+00	2.55751E-09	4.06295E-09	2.67046E-14
46	.00000E+00	1.99714E-09	8.08375E-09	4.01257E-14
47	.00000E+00	2.27892E-09	7.74278E-09	8.18893E-14
48	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 49 THRU POS. 70 SAME AS ABOVE			

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 45

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	3.76126E-02	4.70753E-02	1.65144E-05	5.59650E-02	4.65386E-02	1.65144E-05	4.70753E-02	3.34770E-06
2	2.62531E-02	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.17876E-01	1.02431E+00	4.70846E-04	1.31419E+00	1.05668E+00	4.70846E-04	1.02431E+00	3.75218E-01
4	7.46733E-02	9.28137E-01	3.78567E-04	1.19675E+00	9.58829E-01	3.78567E-04	9.28137E-01	3.68059E-01
5	5.67389E-03	4.23991E-02	7.59515E-05	5.33532E-02	4.40840E-02	7.59515E-05	4.23991E-02	7.23746E-03
6	3.15405E-07	2.42830E-06	1.43964E-09	3.60706E-06	2.25762E-06	1.43964E-09	2.42830E-06	1.91657E-06
7	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 8 THRU POS. 14 SAME AS ABOVE							

15	9.53111E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 17 THRU POS. 20 SAME AS ABOVE							
21	1.05796E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
22	4.26156E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
23	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
25	1.72926E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
26	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
27	1.60547E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
28	2.44398E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
29	5.78760E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
30	1.78527E-14	1.25673E-10	.00000E+00	5.64428E-11	1.87302E-10	.00000E+00	1.25673E-10	.00000E+00
31	9.24885E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
32	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
33	.00000E+00	1.99761E-11	.00000E+00	1.37221E-11	7.26151E-12	.00000E+00	1.99761E-11	.00000E+00
34	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 35 THRU POS. 38 SAME AS ABOVE							
39	.00000E+00	.00000E+00	.00000E+00	4.34052E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00
40	.00000E+00	8.12447E-11	.00000E+00	3.99182E-10	5.16687E-12	.00000E+00	8.12447E-11	.00000E+00
41	3.39987E-13	1.80211E-09	.00000E+00	2.81503E-09	6.90427E-10	.00000E+00	1.80211E-09	.00000E+00
42	4.37978E-13	2.59487E-09	.00000E+00	2.54366E-09	2.45175E-09	.00000E+00	2.59487E-09	.00000E+00
43	7.57419E-11	2.26396E-09	.00000E+00	2.25836E-09	2.11212E-09	.00000E+00	2.26396E-09	.00000E+00
44	3.86271E-13	1.98537E-09	.00000E+00	1.93810E-09	1.87384E-09	.00000E+00	1.98537E-09	9.05498E-10
45	3.18758E-13	1.82017E-09	1.98382E-14	1.72961E-09	1.71187E-09	1.98382E-14	1.82017E-09	1.70892E-09
46	3.11618E-13	1.90907E-09	2.32674E-14	1.85294E-09	1.86531E-09	2.32674E-14	1.90907E-09	1.20810E-09
47	8.58530E-13	3.69237E-09	3.47928E-14	3.39689E-09	3.80228E-09	3.47928E-14	3.69237E-09	9.43406E-10
48	1.10730E-12	3.56124E-09	7.09224E-14	3.41112E-09	3.56606E-09	7.09224E-14	3.56124E-09	1.07326E-09
49	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 50 THRU POS. 70 SAME AS ABOVE							

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	4.11023E-01	3.34770E-06	4.70753E-02	1.65144E-05
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.07413E+00	3.75218E-01	1.02431E+00	4.70846E-04
4	8.13482E-01	3.68059E-01	9.28137E-01	3.78567E-04
5	5.24369E-01	7.23746E-03	4.23991E-02	7.59515E-05
6	2.08515E-01	1.91657E-06	2.42830E-06	1.43964E-09
7	8.69652E-02	.00000E+00	.00000E+00	.00000E+00
8	3.32629E-02	.00000E+00	.00000E+00	.00000E+00
9	1.05586E-02	.00000E+00	.00000E+00	.00000E+00
10	4.32017E-03	.00000E+00	.00000E+00	.00000E+00
11	2.03717E-03	.00000E+00	.00000E+00	.00000E+00
12	7.77206E-04	.00000E+00	.00000E+00	.00000E+00
13	2.78148E-04	.00000E+00	.00000E+00	.00000E+00
14	1.25839E-04	.00000E+00	.00000E+00	.00000E+00
15	5.77081E-05	.00000E+00	.00000E+00	.00000E+00
16	3.08553E-05	.00000E+00	.00000E+00	.00000E+00
17	2.35675E-05	.00000E+00	.00000E+00	.00000E+00
18	2.13501E-05	.00000E+00	.00000E+00	.00000E+00
19	1.82649E-05	.00000E+00	.00000E+00	.00000E+00
20	1.41170E-05	.00000E+00	.00000E+00	.00000E+00
21	9.09131E-06	.00000E+00	.00000E+00	.00000E+00
22	4.77720E-06	.00000E+00	.00000E+00	.00000E+00
23	2.95979E-06	.00000E+00	.00000E+00	.00000E+00
24	2.13008E-06	.00000E+00	.00000E+00	.00000E+00
25	6.72456E-07	.00000E+00	.00000E+00	.00000E+00
26	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 27 THRU POS. 29 SAME AS ABOVE			
30	.00000E+00	.00000E+00	1.25673E-10	.00000E+00
31	.00000E+00	.00000E+00	.00000E+00	.00000E+00

32	.00000E+00	.00000E+00	.00000E+00	.00000E+00
33	.00000E+00	.00000E+00	1.99761E-11	.00000E+00
34	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	35 THRU POS.	39 SAME AS ABOVE		
40	.00000E+00	.00000E+00	8.12447E-11	.00000E+00
41	1.04326E-11	.00000E+00	1.80211E-09	.00000E+00
42	.00000E+00	.00000E+00	2.59487E-09	.00000E+00
43	1.03917E-12	.00000E+00	2.26396E-09	.00000E+00
44	.00000E+00	9.05498E-10	1.98537E-09	.00000E+00
45	.00000E+00	1.70892E-09	1.82017E-09	1.98382E-14
46	.00000E+00	1.20810E-09	1.90907E-09	2.32674E-14
47	.00000E+00	9.43406E-10	3.69237E-09	3.47928E-14
48	.00000E+00	1.07326E-09	3.56124E-09	7.09224E-14
49	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	50 THRU POS.	70 SAME AS ABOVE		

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 46

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	1.51165E-01	8.01786E-02	2.81188E-05	9.53305E-02	7.92772E-02	2.81188E-05	8.01786E-02	5.70234E-06
2	2.36384E-01	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.31363E-01	1.05828E+00	4.83843E-04	1.35460E+00	1.09034E+00	4.83843E-04	1.05828E+00	3.75284E-01
4	7.83114E-02	9.60703E-01	4.32514E-04	1.23726E+00	9.92977E-01	4.32514E-04	9.60703E-01	3.72018E-01
5	5.59002E-03	4.90931E-02	7.57523E-05	6.14913E-02	5.12937E-02	7.57523E-05	4.90931E-02	7.15761E-03
6	7.66760E-07	3.01686E-06	1.37534E-08	4.19493E-06	3.20495E-06	1.37534E-08	3.01686E-06	1.88790E-06
7	7.43769E-08	6.56686E-07	3.88405E-10	9.80141E-07	6.08204E-07	3.88405E-10	6.56686E-07	5.22098E-07
8	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	9 THRU POS.	15 SAME AS ABOVE						
16	2.44572E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
17	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	18 THRU POS.	22 SAME AS ABOVE						
23	5.55388E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
24	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	25 THRU POS.	27 SAME AS ABOVE						
28	3.69880E-14	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
29	5.93267E-13	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
30	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	31 THRU POS.	33 SAME AS ABOVE						
34	.00000E+00	1.30671E-11	.00000E+00	8.97613E-12	4.75002E-12	.00000E+00	1.30671E-11	.00000E+00
35	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	36 THRU POS.	39 SAME AS ABOVE						
40	.00000E+00	.00000E+00	.00000E+00	2.94721E-11	.00000E+00	.00000E+00	.00000E+00	.00000E+00
41	.00000E+00	5.11302E-11	.00000E+00	2.68959E-10	1.70872E-12	.00000E+00	5.11302E-11	.00000E+00
42	2.27550E-13	1.20026E-09	.00000E+00	1.90086E-09	4.34228E-10	.00000E+00	1.20026E-09	.00000E+00
43	2.96106E-13	1.76188E-09	.00000E+00	1.72712E-09	1.66471E-09	.00000E+00	1.76188E-09	.00000E+00
44	1.89220E-11	1.53496E-09	.00000E+00	1.52891E-09	1.43329E-09	.00000E+00	1.53496E-09	.00000E+00
45	2.53457E-13	1.33039E-09	.00000E+00	1.25728E-09	1.27140E-09	.00000E+00	1.33039E-09	6.14806E-10
46	2.12023E-13	1.20664E-09	.00000E+00	1.08297E-09	1.16037E-09	.00000E+00	1.20664E-09	1.16033E-09
47	1.92732E-13	1.16748E-09	.00000E+00	1.11000E-09	1.12057E-09	.00000E+00	1.16748E-09	8.20280E-10
48	5.63444E-13	2.45840E-09	.00000E+00	2.23196E-09	2.58051E-09	.00000E+00	2.45840E-09	6.40540E-10
49	7.17355E-13	2.34458E-09	.00000E+00	2.21580E-09	2.41958E-09	.00000E+00	2.34458E-09	6.76567E-10
50	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	51 THRU POS.	70 SAME AS ABOVE						

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	7.00059E-01	5.70234E-06	8.01786E-02	2.81188E-05
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.73643E+00	3.75284E-01	1.05828E+00	4.83843E-04
4	1.60062E+00	3.72018E-01	9.60703E-01	4.32514E-04
5	7.20818E-01	7.15761E-03	4.90931E-02	7.57523E-05
6	3.16873E-01	1.88790E-06	3.01686E-06	1.37534E-08
7	1.33307E-01	5.22098E-07	6.56686E-07	3.88405E-10
8	5.90484E-02	.00000E+00	.00000E+00	.00000E+00

9	2.25852E-02	.00000E+00	.00000E+00	.00000E+00
10	7.16935E-03	.00000E+00	.00000E+00	.00000E+00
11	2.93334E-03	.00000E+00	.00000E+00	.00000E+00
12	1.38321E-03	.00000E+00	.00000E+00	.00000E+00
13	5.27726E-04	.00000E+00	.00000E+00	.00000E+00
14	1.88860E-04	.00000E+00	.00000E+00	.00000E+00
15	8.54453E-05	.00000E+00	.00000E+00	.00000E+00
16	3.91827E-05	.00000E+00	.00000E+00	.00000E+00
17	2.09501E-05	.00000E+00	.00000E+00	.00000E+00
18	1.60021E-05	.00000E+00	.00000E+00	.00000E+00
19	1.44966E-05	.00000E+00	.00000E+00	.00000E+00
20	1.24016E-05	.00000E+00	.00000E+00	.00000E+00
21	1.04770E-05	.00000E+00	.00000E+00	.00000E+00
22	7.96419E-06	.00000E+00	.00000E+00	.00000E+00
23	4.12488E-06	.00000E+00	.00000E+00	.00000E+00
24	1.53921E-06	.00000E+00	.00000E+00	.00000E+00
25	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 26 THRU POS.		33 SAME AS ABOVE	
34	.00000E+00	.00000E+00	1.30671E-11	.00000E+00
35	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 36 THRU POS.		40 SAME AS ABOVE	
41	.00000E+00	.00000E+00	5.11302E-11	.00000E+00
42	9.10184E-12	.00000E+00	1.20026E-09	.00000E+00
43	.00000E+00	.00000E+00	1.76188E-09	.00000E+00
44	.00000E+00	.00000E+00	1.53496E-09	.00000E+00
45	.00000E+00	6.14806E-10	1.33039E-09	.00000E+00
46	.00000E+00	1.16033E-09	1.20664E-09	.00000E+00
47	.00000E+00	8.20280E-10	1.16748E-09	.00000E+00
48	.00000E+00	6.40540E-10	2.45840E-09	.00000E+00
49	.00000E+00	6.76567E-10	2.34458E-09	.00000E+00
50	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 51 THRU POS.		70 SAME AS ABOVE	

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 47

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	8.76792E-02	1.85109E-01	6.49051E-05	2.20135E-01	1.83034E-01	6.49051E-05	1.85109E-01	1.31404E-05
2	1.38581E-01	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.68665E-01	1.16955E+00	5.31880E-04	1.48730E+00	1.20074E+00	5.31880E-04	1.16955E+00	3.75944E-01
4	8.09841E-02	9.84404E-01	4.66928E-04	1.26715E+00	1.01765E+00	4.66928E-04	9.84404E-01	3.75911E-01
5	1.88296E-03	1.73769E-02	2.32177E-05	2.19885E-02	1.80618E-02	2.32177E-05	1.73769E-02	3.25928E-03
6	9.46792E-08	6.79785E-07	7.07781E-10	9.77204E-07	6.65945E-07	7.07781E-10	6.79785E-07	3.02137E-07
7	2.77216E-08	1.82312E-07	1.08597E-10	2.59939E-07	1.78861E-07	1.08597E-10	1.82312E-07	1.20665E-07
8	4.71887E-09	4.24656E-08	2.46671E-11	6.22883E-08	3.98921E-08	2.46671E-11	4.24656E-08	3.35199E-08
9	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 10 THRU POS.		28 SAME AS ABOVE					
29	4.51418E-16	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
30	4.02227E-15	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
31	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 32 THRU POS.		34 SAME AS ABOVE					
35	.00000E+00	3.61178E-12	.00000E+00	2.48103E-12	1.31292E-12	.00000E+00	3.61178E-12	.00000E+00
36	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 37 THRU POS.		40 SAME AS ABOVE					
41	.00000E+00	.00000E+00	.00000E+00	7.41498E-12	.00000E+00	.00000E+00	.00000E+00	.00000E+00
42	.00000E+00	4.51926E-12	.00000E+00	4.33741E-11	.00000E+00	.00000E+00	4.51926E-12	.00000E+00
43	5.35204E-14	2.55466E-10	.00000E+00	4.12851E-10	5.40350E-11	.00000E+00	2.55466E-10	.00000E+00
44	5.40361E-14	2.99200E-10	.00000E+00	2.87891E-10	2.65082E-10	.00000E+00	2.99200E-10	.00000E+00
45	4.16718E-14	2.36280E-10	.00000E+00	2.18286E-10	2.28031E-10	.00000E+00	2.36280E-10	.00000E+00
46	2.88993E-14	1.44760E-10	.00000E+00	1.28687E-10	1.21481E-10	.00000E+00	1.44760E-10	8.96195E-11
47	2.67211E-14	1.33361E-10	.00000E+00	1.15490E-10	1.10811E-10	.00000E+00	1.33361E-10	2.56193E-10
48	2.44852E-14	1.31789E-10	.00000E+00	1.18647E-10	1.13056E-10	.00000E+00	1.31789E-10	1.30622E-10
49	1.16967E-13	4.68969E-10	.00000E+00	3.96945E-10	5.18852E-10	.00000E+00	4.68969E-10	1.02001E-10

50	1.72838E-13	3.93827E-10	.00000E+00	3.86697E-10	3.84499E-10	.00000E+00	3.93827E-10	9.61123E-11
51	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 52 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	1.61643E+00	1.31404E-05	1.85109E-01	6.49051E-05
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.77924E+00	3.75944E-01	1.16955E+00	5.31880E-04
4	3.16284E+00	3.75911E-01	9.84404E-01	4.66928E-04
5	4.35759E-01	3.25928E-03	1.73769E-02	2.32177E-05
6	1.28833E-01	3.02137E-07	6.79785E-07	7.07781E-10
7	6.30516E-02	1.20665E-07	1.82312E-07	1.08597E-10
8	2.67640E-02	3.35199E-08	4.24656E-08	2.46671E-11
9	1.88057E-02	.00000E+00	.00000E+00	.00000E+00
10	7.19238E-03	.00000E+00	.00000E+00	.00000E+00
11	2.28299E-03	.00000E+00	.00000E+00	.00000E+00
12	9.34003E-04	.00000E+00	.00000E+00	.00000E+00
13	4.40294E-04	.00000E+00	.00000E+00	.00000E+00
14	1.67838E-04	.00000E+00	.00000E+00	.00000E+00
15	5.99203E-05	.00000E+00	.00000E+00	.00000E+00
16	2.69884E-05	.00000E+00	.00000E+00	.00000E+00
17	1.22621E-05	.00000E+00	.00000E+00	.00000E+00
18	6.46511E-06	.00000E+00	.00000E+00	.00000E+00
19	4.89438E-06	.00000E+00	.00000E+00	.00000E+00
20	4.41722E-06	.00000E+00	.00000E+00	.00000E+00
21	3.75391E-06	.00000E+00	.00000E+00	.00000E+00
22	1.97203E-06	.00000E+00	.00000E+00	.00000E+00
23	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 24 THRU POS. 34 SAME AS ABOVE			
35	.00000E+00	.00000E+00	3.61178E-12	.00000E+00
36	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 37 THRU POS. 41 SAME AS ABOVE			
42	.00000E+00	.00000E+00	4.51926E-12	.00000E+00
43	.00000E+00	.00000E+00	2.55466E-10	.00000E+00
44	.00000E+00	.00000E+00	2.99200E-10	.00000E+00
45	.00000E+00	.00000E+00	2.36280E-10	.00000E+00
46	.00000E+00	8.96195E-11	1.44760E-10	.00000E+00
47	.00000E+00	2.56193E-10	1.33361E-10	.00000E+00
48	.00000E+00	1.30622E-10	1.31789E-10	.00000E+00
49	.00000E+00	1.02001E-10	4.68969E-10	.00000E+00
50	.00000E+00	9.61123E-11	3.93827E-10	.00000E+00
51	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 52 THRU POS. 70 SAME AS ABOVE			

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 48

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.48700E-02	2.37276E-01	2.42023E-05	2.49223E-01	2.34183E-01	2.42023E-05	2.37276E-01	5.76073E-01
4	9.66955E-04	4.15591E-03	6.88484E-07	4.30904E-03	4.11962E-03	6.88484E-07	4.15591E-03	5.26486E-03
5	1.11524E-07	3.21649E-06	3.40248E-07	3.25349E-07	1.72169E-07	3.40248E-07	3.21649E-06	.00000E+00
6	4.82696E-08	1.39310E-06	1.47265E-07	1.41471E-07	7.48643E-08	1.47265E-07	1.39310E-06	.00000E+00
7	2.83290E-08	8.17528E-07	8.64287E-08	8.29775E-08	4.39104E-08	8.64287E-08	8.17528E-07	.00000E+00
8	1.94736E-08	5.61887E-07	5.94118E-08	5.69786E-08	3.01521E-08	5.94118E-08	5.61887E-07	.00000E+00
9	1.26570E-08	3.65194E-07	3.86152E-08	3.70277E-08	1.95945E-08	3.86152E-08	3.65194E-07	.00000E+00
10	8.13165E-09	2.34566E-07	2.48087E-08	2.37499E-08	1.25681E-08	2.48087E-08	2.34566E-07	.00000E+00
11	4.98183E-09	1.43798E-07	1.51990E-08	1.46132E-08	7.73305E-09	1.51990E-08	1.43798E-07	.00000E+00
12	2.82544E-09	8.15194E-08	8.62011E-09	8.26345E-09	4.37289E-09	8.62011E-09	8.15194E-08	.00000E+00
13	1.81819E-09	5.24382E-08	5.54710E-09	5.30382E-09	2.80669E-09	5.54710E-09	5.24382E-08	.00000E+00
14	1.25225E-09	3.61075E-08	3.82046E-09	3.64718E-09	1.93003E-09	3.82046E-09	3.61075E-08	.00000E+00
15	7.71402E-10	2.25358E-08	2.35346E-09	2.44804E-09	1.29546E-09	2.35346E-09	2.25358E-08	.00000E+00
16	4.76618E-10	1.75565E-08	1.45411E-09	4.00780E-09	2.12086E-09	1.45411E-09	1.75565E-08	.00000E+00

17	3.31988E-10	2.10212E-08	1.01286E-09	8.83126E-09	4.67336E-09	1.01286E-09	2.10212E-08	.00000E+00
18	2.41389E-10	1.31319E-08	7.36452E-10	4.94250E-09	2.61549E-09	7.36452E-10	1.31319E-08	.00000E+00
19	1.95372E-10	1.89457E-08	5.96057E-10	9.71360E-09	5.14028E-09	5.96057E-10	1.89457E-08	.00000E+00
20	1.82178E-10	9.46942E-09	5.55806E-10	3.42699E-09	1.81351E-09	5.55806E-10	9.46942E-09	.00000E+00
21	1.77357E-10	9.85078E-09	5.41096E-10	3.77041E-09	1.99524E-09	5.41096E-10	9.85078E-09	.00000E+00
22	1.70546E-10	1.20606E-08	5.20317E-10	5.40348E-09	2.85944E-09	5.20317E-10	1.20606E-08	.00000E+00
23	1.62133E-10	1.74790E-08	4.94649E-10	9.26763E-09	4.90428E-09	4.94649E-10	1.74790E-08	.00000E+00
24	1.51026E-10	6.63461E-09	4.60762E-10	2.00599E-09	1.06154E-09	4.60762E-10	6.63461E-09	.00000E+00
25	1.44629E-10	3.55705E-09	4.41247E-10	.00000E+00	.00000E+00	4.41247E-10	3.55705E-09	.00000E+00
26	1.47599E-10	3.63010E-09	4.50309E-10	.00000E+00	.00000E+00	4.50309E-10	3.63010E-09	.00000E+00
27	1.64440E-10	4.04428E-09	5.01688E-10	.00000E+00	.00000E+00	5.01688E-10	4.04428E-09	.00000E+00
28	2.13939E-10	5.26168E-09	6.52704E-10	.00000E+00	.00000E+00	6.52704E-10	5.26168E-09	.00000E+00
29	2.68080E-10	6.59324E-09	8.17882E-10	.00000E+00	.00000E+00	8.17882E-10	6.59324E-09	.00000E+00
30	2.91870E-10	7.17832E-09	8.90461E-10	.00000E+00	.00000E+00	8.90461E-10	7.17832E-09	.00000E+00
31	3.13449E-10	7.70904E-09	9.56296E-10	.00000E+00	.00000E+00	9.56296E-10	7.70904E-09	.00000E+00
32	3.33867E-10	8.21122E-09	1.01859E-09	.00000E+00	.00000E+00	1.01859E-09	8.21122E-09	.00000E+00
33	3.54203E-10	8.90031E-09	1.08063E-09	6.40694E-10	5.06685E-12	1.08063E-09	8.90031E-09	.00000E+00
34	4.42743E-10	3.04622E-06	1.35076E-09	1.09398E-05	7.99306E-10	1.35076E-09	3.04622E-06	.00000E+00
35	5.04690E-10	7.14841E-06	1.53975E-09	2.56553E-05	9.86860E-09	1.53975E-09	7.14841E-06	.00000E+00
36	4.32258E-10	8.41237E-06	1.31877E-09	2.98826E-05	5.19616E-08	1.31877E-09	8.41237E-06	.00000E+00
37	3.58835E-10	9.07858E-06	9.88623E-10	3.20291E-05	5.19847E-08	9.88623E-10	9.07858E-06	.00000E+00
38	3.75810E-10	9.00695E-06	8.08146E-10	3.11983E-05	5.13751E-08	8.08146E-10	9.00695E-06	.00000E+00
39	3.81613E-10	8.96667E-06	7.52721E-10	3.08775E-05	5.11811E-08	7.52721E-10	8.96667E-06	.00000E+00
40	3.86300E-10	8.92505E-06	7.03703E-10	3.05812E-05	5.11811E-08	7.03703E-10	8.92505E-06	.00000E+00
41	4.16887E-10	8.76148E-06	6.05667E-10	2.95143E-05	5.11811E-08	6.05667E-10	8.76148E-06	.00000E+00
42	5.68468E-10	9.07123E-06	5.95762E-10	2.79699E-05	8.28610E-07	5.95762E-10	9.07123E-06	.00000E+00
43	2.52622E-09	1.98818E-05	6.43347E-10	2.98170E-05	1.77510E-05	6.43347E-10	1.98818E-05	.00000E+00
44	2.46172E-09	1.28646E-05	.00000E+00	2.03172E-05	9.97747E-06	.00000E+00	1.28646E-05	.00000E+00
45	2.85245E-09	1.05689E-05	.00000E+00	1.72521E-05	7.44255E-06	.00000E+00	1.05689E-05	1.26145E-08
46	3.41061E-09	1.30977E-05	.00000E+00	1.70820E-05	1.18174E-05	.00000E+00	1.30977E-05	7.38163E-06
47	3.24677E-09	1.15530E-05	.00000E+00	1.61446E-05	8.64352E-06	.00000E+00	1.15530E-05	3.26746E-05
48	3.97437E-09	1.42829E-05	.00000E+00	2.05504E-05	7.81741E-06	.00000E+00	1.42829E-05	7.48292E-05
49	6.37978E-08	3.11756E-04	2.49676E-11	2.28655E-04	3.59698E-04	2.49676E-11	3.11756E-04	7.87750E-05
50	1.88009E-07	8.41851E-04	1.16674E-10	6.39663E-04	9.10578E-04	1.16674E-10	8.41851E-04	8.16717E-05
51	1.45345E-07	5.60668E-04	9.05128E-11	4.90490E-04	5.31881E-04	9.05128E-11	5.60668E-04	7.44893E-05
52	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 53 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.94918E-02	5.76073E-01	2.37276E-01	2.42023E-05
4	5.88895E-04	5.26486E-03	4.15591E-03	6.88484E-07
5	1.24811E-05	.00000E+00	3.21649E-06	3.40248E-07
6	5.39664E-06	.00000E+00	1.39310E-06	1.47265E-07
7	3.16470E-06	.00000E+00	8.17528E-07	8.64287E-08
8	2.17465E-06	.00000E+00	5.61887E-07	5.94118E-08
9	1.41123E-06	.00000E+00	3.65194E-07	3.86152E-08
10	9.05149E-07	.00000E+00	2.34566E-07	2.48087E-08
11	5.53652E-07	.00000E+00	1.43798E-07	1.51990E-08
12	3.13308E-07	.00000E+00	8.15194E-08	8.62011E-09
13	2.01189E-07	.00000E+00	5.24382E-08	5.54710E-09
14	1.38125E-07	.00000E+00	3.61075E-08	3.82046E-09
15	8.44723E-08	.00000E+00	2.25358E-08	2.35346E-09
16	5.13165E-08	.00000E+00	1.75565E-08	1.45411E-09
17	3.47182E-08	.00000E+00	2.10212E-08	1.01286E-09
18	2.38761E-08	.00000E+00	1.31319E-08	7.36452E-10
19	1.79353E-08	.00000E+00	1.89457E-08	5.96057E-10
20	1.58999E-08	.00000E+00	9.46942E-09	5.55806E-10
21	1.52257E-08	.00000E+00	9.85078E-09	5.41096E-10
22	1.42090E-08	.00000E+00	1.20606E-08	5.20317E-10

23	1.27125E-08	.00000E+00	1.74790E-08	4.94649E-10
24	1.05603E-08	.00000E+00	6.63461E-09	4.60762E-10
25	8.19628E-09	.00000E+00	3.55705E-09	4.41247E-10
26	6.40974E-09	.00000E+00	3.63010E-09	4.50309E-10
27	4.95927E-09	.00000E+00	4.04428E-09	5.01688E-10
28	4.18633E-09	.00000E+00	5.26168E-09	6.52704E-10
29	3.64754E-09	.00000E+00	6.59324E-09	8.17882E-10
30	3.04689E-09	.00000E+00	7.17832E-09	8.90461E-10
31	2.26516E-09	.00000E+00	7.70904E-09	9.56296E-10
32	1.74118E-09	.00000E+00	8.21122E-09	1.01859E-09
33	8.40764E-10	.00000E+00	8.90031E-09	1.08063E-09
34	.00000E+00	.00000E+00	3.04622E-06	1.35076E-09
35	.00000E+00	.00000E+00	7.14841E-06	1.53975E-09
36	.00000E+00	.00000E+00	8.41237E-06	1.31877E-09
37	.00000E+00	.00000E+00	9.07858E-06	9.88623E-10
38	.00000E+00	.00000E+00	9.00695E-06	8.08146E-10
39	.00000E+00	.00000E+00	8.96667E-06	7.52721E-10
40	.00000E+00	.00000E+00	8.92505E-06	7.03703E-10
41	.00000E+00	.00000E+00	8.76148E-06	6.05667E-10
42	.00000E+00	.00000E+00	9.07123E-06	5.95762E-10
43	.00000E+00	.00000E+00	1.98818E-05	6.43347E-10
44	.00000E+00	.00000E+00	1.28646E-05	.00000E+00
45	3.60173E-07	1.26145E-08	1.05689E-05	.00000E+00
46	1.26787E-06	7.38163E-06	1.30977E-05	.00000E+00
47	2.14321E-06	3.26746E-05	1.15530E-05	.00000E+00
48	2.18456E-06	7.48292E-05	1.42829E-05	.00000E+00
49	6.98891E-07	7.87750E-05	3.11756E-04	2.49676E-11
50	6.43863E-07	8.16717E-05	8.41851E-04	1.16674E-10
51	6.79515E-07	7.44893E-05	5.60668E-04	9.05128E-11
52	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 53 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 49

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.02347E-02	2.36071E-01	2.60043E-05	2.47557E-01	2.33131E-01	2.60043E-05	2.36071E-01	5.44500E-01
4	1.48292E-03	6.37988E-03	1.05709E-06	6.61490E-03	6.32410E-03	1.05709E-06	6.37988E-03	8.07314E-03
5	2.18411E-03	9.70604E-03	1.61574E-06	1.00610E-02	9.62262E-03	1.61574E-06	9.70604E-03	1.18425E-02
6	4.05563E-06	3.55238E-02	1.58611E-07	1.12631E-01	7.27309E-03	1.58611E-07	3.55238E-02	.00000E+00
7	6.63709E-06	1.53853E-02	6.86507E-08	4.87800E-02	3.15001E-03	6.86507E-08	1.53853E-02	.00000E+00
8	1.07699E-06	9.74396E-03	4.02901E-08	2.89667E-02	2.90545E-03	4.02901E-08	9.74396E-03	.00000E+00
9	3.86832E-07	6.69968E-03	2.76959E-08	1.99173E-02	1.99739E-03	2.76959E-08	6.69968E-03	.00000E+00
10	2.23828E-07	4.34997E-03	1.80006E-08	1.29345E-02	1.29561E-03	1.80006E-08	4.34997E-03	.00000E+00
11	3.07434E-07	2.79076E-03	1.15637E-08	8.30157E-03	8.29457E-04	1.15637E-08	2.79076E-03	.00000E+00
12	4.49627E-07	1.71339E-03	7.08339E-09	5.08663E-03	5.03179E-04	7.08339E-09	1.71339E-03	.00000E+00
13	3.03318E-07	1.18172E-03	4.01515E-09	3.13690E-03	2.76429E-04	4.01515E-09	1.18172E-03	.00000E+00
14	1.53479E-07	6.80789E-04	2.58085E-09	1.91014E-03	1.66955E-04	2.58085E-09	6.80789E-04	.00000E+00
15	1.13047E-07	4.21508E-04	1.77367E-09	1.24415E-03	1.02629E-04	1.77367E-09	4.21508E-04	.00000E+00
16	8.38016E-08	2.39638E-04	1.08493E-09	7.14121E-04	4.86389E-05	1.08493E-09	2.39638E-04	.00000E+00
17	6.35992E-08	1.30032E-04	6.58225E-10	3.71264E-04	3.62648E-05	6.58225E-10	1.30032E-04	.00000E+00
18	5.63077E-08	1.04876E-04	4.43186E-10	2.95008E-04	3.17548E-05	4.43186E-10	1.04876E-04	.00000E+00
19	5.20890E-08	4.88386E-04	3.01152E-10	1.72119E-03	1.64198E-05	3.01152E-10	4.88386E-04	.00000E+00
20	4.99684E-08	4.69006E-04	2.22208E-10	1.65473E-03	1.65816E-05	2.22208E-10	4.69006E-04	.00000E+00
21	6.21520E-08	8.20361E-05	1.96060E-10	1.17560E-04	3.77405E-05	1.96060E-10	8.20361E-05	.00000E+00
22	4.67591E-08	1.06737E-04	1.86446E-10	3.83837E-04	2.38297E-07	1.86446E-10	1.06737E-04	.00000E+00
23	5.39330E-08	3.38573E-04	1.72120E-10	1.15347E-03	9.57632E-07	1.72120E-10	3.38573E-04	.00000E+00
24	4.66803E-08	6.07630E-04	1.51598E-10	2.15363E-03	1.53880E-06	1.51598E-10	6.07630E-04	.00000E+00
25	4.43646E-08	2.75131E-04	1.19823E-10	8.70217E-04	2.92610E-05	1.19823E-10	2.75131E-04	.00000E+00
26	4.94598E-08	2.67042E-04	8.36216E-11	7.09155E-04	6.03358E-05	8.36216E-11	2.67042E-04	.00000E+00
27	4.16167E-08	2.35458E-04	5.37303E-11	6.92966E-04	3.10451E-05	5.37303E-11	2.35458E-04	.00000E+00

28	3.86097E-08	1.92265E-04	2.69625E-11	5.55216E-04	3.30899E-05	2.69625E-11	1.92265E-04	.00000E+00
29	3.82347E-08	1.56328E-04	1.16754E-11	4.29036E-04	3.21385E-05	1.16754E-11	1.56328E-04	.00000E+00
30	4.27922E-08	1.72273E-04	6.89499E-13	3.48092E-04	1.08044E-04	6.89499E-13	1.72273E-04	.00000E+00
31	4.51995E-08	1.75375E-04	.00000E+00	2.96740E-04	1.43540E-04	.00000E+00	1.75375E-04	.00000E+00
32	5.14648E-08	2.04401E-04	.00000E+00	2.90087E-04	1.94770E-04	.00000E+00	2.04401E-04	.00000E+00
33	5.39453E-08	2.15209E-04	.00000E+00	2.75629E-04	2.24103E-04	.00000E+00	2.15209E-04	.00000E+00
34	4.57561E-08	1.47151E-04	.00000E+00	2.26964E-04	1.31737E-04	.00000E+00	1.47151E-04	.00000E+00
35	2.81947E-08	8.15607E-05	.00000E+00	1.64826E-04	5.05925E-05	.00000E+00	8.15607E-05	.00000E+00
36	2.37988E-08	6.49860E-05	.00000E+00	1.21290E-04	4.39609E-05	.00000E+00	6.49860E-05	.00000E+00
37	2.22207E-08	5.13001E-05	.00000E+00	7.87734E-05	4.26743E-05	.00000E+00	5.13001E-05	.00000E+00
38	2.17900E-08	4.59179E-05	.00000E+00	5.94638E-05	4.30848E-05	.00000E+00	4.59179E-05	.00000E+00
39	2.29814E-08	4.58385E-05	.00000E+00	5.59675E-05	4.49391E-05	.00000E+00	4.58385E-05	.00000E+00
40	2.33793E-08	4.58934E-05	.00000E+00	5.50654E-05	4.55576E-05	.00000E+00	4.58934E-05	.00000E+00
41	2.37248E-08	4.59460E-05	.00000E+00	5.42658E-05	4.61075E-05	.00000E+00	4.59460E-05	.00000E+00
42	2.46486E-08	4.52600E-05	.00000E+00	5.14315E-05	4.65145E-05	.00000E+00	4.52600E-05	.00000E+00
43	2.57700E-08	4.25768E-05	.00000E+00	4.64968E-05	4.48235E-05	.00000E+00	4.25768E-05	7.85078E-10
44	2.42296E-08	2.88893E-05	.00000E+00	3.46865E-05	2.83470E-05	.00000E+00	2.88893E-05	1.00058E-06
45	2.14423E-08	1.60861E-05	.00000E+00	1.92155E-05	1.57765E-05	.00000E+00	1.60861E-05	4.19361E-06
46	2.02015E-08	1.12596E-05	.00000E+00	1.28490E-05	1.13257E-05	.00000E+00	1.12596E-05	7.13452E-06
47	1.87688E-08	9.91421E-06	.00000E+00	9.95230E-06	1.08336E-05	.00000E+00	9.91421E-06	8.02332E-06
48	3.78112E-08	4.07660E-05	.00000E+00	3.93502E-05	3.78374E-05	.00000E+00	4.07660E-05	7.39483E-05
49	3.33673E-06	7.15791E-04	4.49660E-09	5.84506E-04	7.60114E-04	4.49660E-09	7.15791E-04	3.62615E-04
50	3.17182E-05	3.12748E-03	1.41183E-07	2.32959E-03	3.51343E-03	1.41183E-07	3.12748E-03	1.09844E-04
51	4.96233E-05	5.03635E-03	4.01965E-07	4.18897E-03	4.97607E-03	4.01965E-07	5.03635E-03	5.50241E-05
52	3.55584E-05	3.01180E-03	4.38546E-07	2.74246E-03	2.81752E-03	4.38546E-07	3.01180E-03	9.89397E-05
53	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 54 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.12251E-02	5.44500E-01	2.36071E-01	2.60043E-05
4	9.03912E-04	8.07314E-03	6.37988E-03	1.05709E-06
5	1.39115E-03	1.18425E-02	9.70604E-03	1.61574E-06
6	3.32834E-05	.00000E+00	3.55238E-02	1.58611E-07
7	1.43916E-05	.00000E+00	1.53853E-02	6.86507E-08
8	8.43952E-06	.00000E+00	9.74396E-03	4.02901E-08
9	5.79931E-06	.00000E+00	6.69968E-03	2.76959E-08
10	3.76325E-06	.00000E+00	4.34997E-03	1.80006E-08
11	2.41368E-06	.00000E+00	2.79076E-03	1.15637E-08
12	1.47644E-06	.00000E+00	1.71339E-03	7.08339E-09
13	8.35467E-07	.00000E+00	1.18172E-03	4.01515E-09
14	5.36527E-07	.00000E+00	6.80789E-04	2.58085E-09
15	3.68334E-07	.00000E+00	4.21508E-04	1.77367E-09
16	2.25266E-07	.00000E+00	2.39638E-04	1.08493E-09
17	1.36845E-07	.00000E+00	1.30032E-04	6.58225E-10
18	9.25822E-08	.00000E+00	1.04876E-04	4.43186E-10
19	6.36705E-08	.00000E+00	4.88386E-04	3.01152E-10
20	4.78277E-08	.00000E+00	4.69006E-04	2.22208E-10
21	4.23992E-08	.00000E+00	8.20361E-05	1.96060E-10
22	4.06019E-08	.00000E+00	1.06737E-04	1.86446E-10
23	3.78912E-08	.00000E+00	3.38573E-04	1.72120E-10
24	3.38995E-08	.00000E+00	6.07630E-04	1.51598E-10
25	2.81604E-08	.00000E+00	2.75131E-04	1.19823E-10
26	2.18560E-08	.00000E+00	2.67042E-04	8.36216E-11
27	1.70930E-08	.00000E+00	2.35458E-04	5.37303E-11
28	1.32247E-08	.00000E+00	1.92265E-04	2.69625E-11
29	1.11636E-08	.00000E+00	1.56328E-04	1.16754E-11
30	9.72671E-09	.00000E+00	1.72273E-04	6.89499E-13
31	8.12479E-09	.00000E+00	1.75375E-04	.00000E+00
32	5.99936E-09	.00000E+00	2.04401E-04	.00000E+00

33	3.73111E-09	.00000E+00	2.15209E-04	.00000E+00
34	1.80161E-09	.00000E+00	1.47151E-04	.00000E+00
35	.00000E+00	.00000E+00	8.15607E-05	.00000E+00
36	.00000E+00	.00000E+00	6.49860E-05	.00000E+00
37	.00000E+00	.00000E+00	5.13001E-05	.00000E+00
38	.00000E+00	.00000E+00	4.59179E-05	.00000E+00
39	.00000E+00	.00000E+00	4.58385E-05	.00000E+00
40	.00000E+00	.00000E+00	4.58934E-05	.00000E+00
41	.00000E+00	.00000E+00	4.59460E-05	.00000E+00
42	.00000E+00	.00000E+00	4.52600E-05	.00000E+00
43	.00000E+00	7.85078E-10	4.25768E-05	.00000E+00
44	1.44416E-07	1.00058E-06	2.88893E-05	.00000E+00
45	4.62934E-07	4.19361E-06	1.60861E-05	.00000E+00
46	3.39626E-07	7.13452E-06	1.12596E-05	.00000E+00
47	3.98096E-08	8.02332E-06	9.91421E-06	.00000E+00
48	1.00866E-06	7.39483E-05	4.07660E-05	.00000E+00
49	1.14068E-05	3.62615E-04	7.15791E-04	4.49660E-09
50	1.17035E-04	1.09844E-04	3.12748E-03	1.41183E-07
51	1.28622E-04	5.50241E-05	5.03635E-03	4.01965E-07
52	8.37426E-05	9.89397E-05	3.01180E-03	4.38546E-07
53	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 54 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 50

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.73198E-02	2.36120E-01	2.76989E-05	2.47259E-01	2.33267E-01	2.76989E-05	2.36120E-01	5.21274E-01
4	1.38533E-03	5.86872E-03	9.70208E-07	6.08569E-03	5.81713E-03	9.70208E-07	5.86872E-03	7.55583E-03
5	1.61704E-03	7.18728E-03	1.19644E-06	7.45007E-03	7.12543E-03	1.19644E-06	7.18728E-03	8.76795E-03
6	1.13425E-03	5.03978E-03	8.38959E-07	5.22408E-03	4.99648E-03	8.38959E-07	5.03978E-03	6.15037E-03
7	1.38132E-04	8.29635E-02	2.53267E-07	5.98057E-02	1.00982E-01	2.53267E-07	8.29635E-02	.00000E+00
8	2.32638E-04	3.59353E-02	1.09619E-07	2.59026E-02	4.37382E-02	1.09619E-07	3.59353E-02	.00000E+00
9	2.90675E-05	2.03729E-02	6.43347E-08	1.48808E-02	2.45969E-02	6.43347E-08	2.03729E-02	.00000E+00
10	7.77651E-06	1.40090E-02	4.42259E-08	1.02306E-02	1.69105E-02	4.42259E-08	1.40090E-02	.00000E+00
11	5.46687E-06	9.09246E-03	2.87424E-08	6.63710E-03	1.09711E-02	2.87424E-08	9.09246E-03	.00000E+00
12	1.27177E-05	5.83039E-03	1.84650E-08	4.25164E-03	7.02685E-03	1.84650E-08	5.83039E-03	.00000E+00
13	1.52425E-05	3.58102E-03	1.13104E-08	2.61810E-03	4.26898E-03	1.13104E-08	3.58102E-03	.00000E+00
14	9.31163E-06	2.62213E-03	6.41113E-09	2.21727E-03	2.36045E-03	6.41113E-09	2.62213E-03	.00000E+00
15	4.18866E-06	1.53723E-03	4.12106E-09	1.20583E-03	1.47215E-03	4.12106E-09	1.53723E-03	.00000E+00
16	2.93965E-06	4.72158E-03	2.83213E-09	2.65910E-03	2.61713E-03	2.83213E-09	4.72158E-03	.00000E+00
17	2.41445E-06	5.23591E-03	1.73241E-09	4.68055E-03	7.23081E-03	1.73241E-09	5.23591E-03	.00000E+00
18	1.39265E-06	1.81120E-03	1.05109E-09	2.72083E-03	2.41760E-04	1.05109E-09	1.81120E-03	.00000E+00
19	7.14235E-07	9.88519E-05	7.07665E-10	4.40883E-04	4.30109E-05	7.07665E-10	9.88519E-05	.00000E+00
20	6.05681E-07	1.22600E-04	4.80867E-10	4.95175E-04	2.87436E-05	4.80867E-10	1.22600E-04	.00000E+00
21	5.51375E-07	1.25289E-04	3.54815E-10	3.90421E-04	5.53458E-05	3.54815E-10	1.25289E-04	.00000E+00
22	6.92290E-07	9.43528E-04	3.13063E-10	8.66050E-04	8.35751E-04	3.13063E-10	9.43528E-04	.00000E+00
23	5.36493E-07	1.93531E-04	2.97717E-10	2.42683E-04	2.38602E-04	2.97717E-10	1.93531E-04	.00000E+00
24	6.42988E-07	8.43752E-04	2.74834E-10	7.05494E-04	9.47414E-04	2.74834E-10	8.43752E-04	.00000E+00
25	5.70201E-07	6.16646E-04	2.42069E-10	6.30420E-04	7.03933E-04	2.42069E-10	6.16646E-04	.00000E+00
26	4.86176E-07	3.05524E-04	1.91331E-10	3.10478E-04	3.33006E-04	1.91331E-10	3.05524E-04	.00000E+00
27	4.56498E-07	3.22350E-04	1.33521E-10	2.50539E-04	4.17121E-04	1.33521E-10	3.22350E-04	.00000E+00
28	4.18921E-07	1.76271E-04	8.57965E-11	1.54665E-04	2.15456E-04	8.57965E-11	1.76271E-04	.00000E+00
29	4.17630E-07	1.60063E-04	4.30542E-11	1.34616E-04	1.99933E-04	4.30542E-11	1.60063E-04	.00000E+00
30	4.25131E-07	1.51474E-04	1.86429E-11	1.19259E-04	1.91260E-04	1.86429E-11	1.51474E-04	.00000E+00
31	4.22684E-07	4.73599E-05	1.10099E-12	6.19826E-05	4.24400E-05	1.10099E-12	4.73599E-05	.00000E+00
32	4.56374E-07	3.59267E-05	.00000E+00	5.09989E-05	2.89120E-05	.00000E+00	3.59267E-05	.00000E+00
33	5.03038E-07	4.29273E-05	.00000E+00	5.49132E-05	3.84360E-05	.00000E+00	4.29273E-05	.00000E+00
34	5.52944E-07	4.62373E-05	.00000E+00	5.62401E-05	4.40570E-05	.00000E+00	4.62373E-05	.00000E+00
35	6.34051E-07	3.39311E-05	.00000E+00	5.10460E-05	2.59545E-05	.00000E+00	3.39311E-05	.00000E+00
36	9.37748E-07	2.88948E-05	.00000E+00	4.73748E-05	1.99475E-05	.00000E+00	2.88948E-05	.00000E+00

37	2.53038E-06	2.46621E-05	.00000E+00	3.98636E-05	1.72914E-05	.00000E+00	2.46621E-05	.00000E+00
38	3.50957E-06	2.08948E-05	.00000E+00	3.02043E-05	1.67562E-05	.00000E+00	2.08948E-05	.00000E+00
39	3.85745E-06	1.94363E-05	.00000E+00	2.58779E-05	1.68981E-05	.00000E+00	1.94363E-05	.00000E+00
40	3.88815E-06	1.94574E-05	.00000E+00	2.48964E-05	1.76230E-05	.00000E+00	1.94574E-05	.00000E+00
41	3.87759E-06	1.94899E-05	.00000E+00	2.46272E-05	1.78649E-05	.00000E+00	1.94899E-05	.00000E+00
42	3.86660E-06	1.95188E-05	.00000E+00	2.43855E-05	1.80805E-05	.00000E+00	1.95188E-05	.00000E+00
43	3.82170E-06	1.92589E-05	.00000E+00	2.34477E-05	1.82364E-05	.00000E+00	1.92589E-05	.00000E+00
44	3.73586E-06	1.84996E-05	.00000E+00	2.18331E-05	1.79665E-05	.00000E+00	1.84996E-05	3.21873E-10
45	3.76019E-06	1.91852E-05	.00000E+00	2.00529E-05	2.05025E-05	.00000E+00	1.91852E-05	4.10223E-07
46	4.00741E-06	1.15369E-05	.00000E+00	1.29433E-05	1.14702E-05	.00000E+00	1.15369E-05	1.71941E-06
47	4.17280E-06	9.11881E-06	.00000E+00	1.07286E-05	8.15388E-06	.00000E+00	9.11881E-06	2.92507E-06
48	5.68293E-06	2.43731E-05	1.72170E-10	2.23874E-05	2.42130E-05	1.72170E-10	2.43731E-05	3.03454E-05
49	1.50074E-04	7.42488E-04	4.82863E-07	5.71503E-04	7.91191E-04	4.82863E-07	7.42488E-04	6.36812E-04
50	2.95320E-04	2.75066E-03	1.28603E-06	1.98622E-03	3.19096E-03	1.28603E-06	2.75066E-03	4.08507E-04
51	4.90276E-04	5.53696E-03	2.57019E-06	4.88731E-03	5.68450E-03	2.57019E-06	5.53696E-03	2.36596E-04
52	4.94964E-04	6.93830E-03	2.49253E-06	6.55093E-03	6.67904E-03	2.49253E-06	6.93830E-03	9.08138E-05
53	5.06556E-04	3.93295E-03	2.28166E-06	3.88466E-03	3.69421E-03	2.28166E-06	3.93295E-03	2.18255E-04
54	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 55 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.28370E-02	5.21274E-01	2.36120E-01	2.76989E-05
4	8.32716E-04	7.55583E-03	5.86872E-03	9.70208E-07
5	1.03023E-03	8.76795E-03	7.18728E-03	1.19644E-06
6	7.22348E-04	6.15037E-03	5.03978E-03	8.38959E-07
7	1.08169E-04	.00000E+00	8.29635E-02	2.53267E-07
8	4.67725E-05	.00000E+00	3.59353E-02	1.09619E-07
9	2.74275E-05	.00000E+00	2.03729E-02	6.43347E-08
10	1.88471E-05	.00000E+00	1.40090E-02	4.42259E-08
11	1.22306E-05	.00000E+00	9.09246E-03	2.87424E-08
12	7.84452E-06	.00000E+00	5.83039E-03	1.84650E-08
13	4.79841E-06	.00000E+00	3.58102E-03	1.13104E-08
14	2.71534E-06	.00000E+00	2.62213E-03	6.41113E-09
15	1.74365E-06	.00000E+00	1.53723E-03	4.12106E-09
16	1.19709E-06	.00000E+00	4.72158E-03	2.83213E-09
17	7.32100E-07	.00000E+00	5.23591E-03	1.73241E-09
18	4.44742E-07	.00000E+00	1.81120E-03	1.05109E-09
19	3.00888E-07	.00000E+00	9.88519E-05	7.07665E-10
20	2.06928E-07	.00000E+00	1.22600E-04	4.80867E-10
21	1.55440E-07	.00000E+00	1.25289E-04	3.54815E-10
22	1.37796E-07	.00000E+00	9.43528E-04	3.13063E-10
23	1.31954E-07	.00000E+00	1.93531E-04	2.97717E-10
24	1.23145E-07	.00000E+00	8.43752E-04	2.74834E-10
25	1.10175E-07	.00000E+00	6.16646E-04	2.42069E-10
26	9.15228E-08	.00000E+00	3.05524E-04	1.91331E-10
27	7.10347E-08	.00000E+00	3.22350E-04	1.33521E-10
28	5.55504E-08	.00000E+00	1.76271E-04	8.57965E-11
29	4.29803E-08	.00000E+00	1.60063E-04	4.30542E-11
30	3.62816E-08	.00000E+00	1.51474E-04	1.86429E-11
31	3.16121E-08	.00000E+00	4.73599E-05	1.10099E-12
32	2.64062E-08	.00000E+00	3.59267E-05	.00000E+00
33	1.98504E-08	.00000E+00	4.29273E-05	.00000E+00
34	1.31836E-08	.00000E+00	4.62373E-05	.00000E+00
35	6.36551E-09	.00000E+00	3.39311E-05	.00000E+00
36	.00000E+00	.00000E+00	2.88948E-05	.00000E+00
37	.00000E+00	.00000E+00	2.46621E-05	.00000E+00
38	.00000E+00	.00000E+00	2.08948E-05	.00000E+00
39	2.53101E-09	.00000E+00	1.94363E-05	.00000E+00
40	1.59840E-07	.00000E+00	1.94574E-05	.00000E+00

41	1.72574E-07	.00000E+00	1.94899E-05	.00000E+00
42	1.83824E-07	.00000E+00	1.95188E-05	.00000E+00
43	2.16629E-07	.00000E+00	1.92589E-05	.00000E+00
44	2.57969E-07	3.21873E-10	1.84996E-05	.00000E+00
45	1.72239E-07	4.10223E-07	1.91852E-05	.00000E+00
46	9.47203E-10	1.71941E-06	1.15369E-05	.00000E+00
47	1.24331E-09	2.92507E-06	9.11881E-06	.00000E+00
48	4.80509E-07	3.03454E-05	2.43731E-05	1.72170E-10
49	1.58534E-04	6.36812E-04	7.42488E-04	4.82863E-07
50	3.84393E-04	4.08507E-04	2.75066E-03	1.28603E-06
51	6.01713E-04	2.36596E-04	5.53696E-03	2.57019E-06
52	5.83761E-04	9.08138E-05	6.93830E-03	2.49253E-06
53	5.57388E-04	2.18255E-04	3.93295E-03	2.28166E-06
54	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 55 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 51

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.45938E-02	2.39703E-01	2.99983E-05	2.50620E-01	2.36935E-01	2.99983E-05	2.39703E-01	5.02006E-01
4	1.18412E-03	4.84375E-03	7.96589E-07	5.02428E-03	4.80046E-03	7.96589E-07	4.84375E-03	6.48491E-03
5	2.20910E-03	9.81878E-03	1.63450E-06	1.01778E-02	9.73423E-03	1.63450E-06	9.81878E-03	1.19781E-02
6	1.65737E-03	7.36445E-03	1.22590E-06	7.63374E-03	7.30105E-03	1.22590E-06	7.36445E-03	8.98669E-03
7	1.19420E-03	5.30615E-03	8.83280E-07	5.50020E-03	5.26055E-03	8.83280E-07	5.30615E-03	6.47534E-03
8	5.88770E-04	1.60555E-02	4.86051E-07	1.43974E-02	1.80305E-02	4.86051E-07	1.60555E-02	.00000E+00
9	1.23869E-03	6.95511E-03	2.10378E-07	6.22727E-03	7.80983E-03	2.10378E-07	6.95511E-03	.00000E+00
10	1.30054E-04	4.04978E-03	1.23468E-07	3.62970E-03	4.53412E-03	1.23468E-07	4.04978E-03	.00000E+00
11	2.46889E-05	2.78579E-03	8.48734E-08	2.48268E-03	3.11778E-03	8.48734E-08	2.78579E-03	.00000E+00
12	1.72821E-05	1.81000E-03	5.51633E-08	1.59124E-03	2.02358E-03	5.51633E-08	1.81000E-03	.00000E+00
13	5.90967E-05	1.16464E-03	3.54380E-08	9.94619E-04	1.29742E-03	3.54380E-08	1.16464E-03	.00000E+00
14	7.88500E-05	8.14463E-04	2.17071E-08	7.00572E-04	7.90911E-04	2.17071E-08	8.14463E-04	.00000E+00
15	5.27749E-05	2.73524E-03	1.23047E-08	3.17693E-03	4.43710E-04	1.23047E-08	2.73524E-03	.00000E+00
16	2.27517E-05	1.13490E-03	7.90907E-09	1.22853E-03	2.96068E-04	7.90907E-09	1.13490E-03	.00000E+00
17	1.65635E-05	2.75883E-03	5.43541E-09	1.63625E-03	1.21520E-03	5.43541E-09	2.75883E-03	.00000E+00
18	8.92833E-06	1.68382E-03	3.32480E-09	1.34072E-03	1.95968E-03	3.32480E-09	1.68382E-03	.00000E+00
19	4.98970E-06	2.72475E-04	2.01720E-09	3.03956E-04	9.16435E-05	2.01720E-09	2.72475E-04	.00000E+00
20	3.29913E-06	1.03601E-04	1.35814E-09	1.57958E-04	1.93937E-05	1.35814E-09	1.03601E-04	.00000E+00
21	2.46313E-06	7.39100E-05	9.22873E-10	1.60180E-04	1.57252E-05	9.22873E-10	7.39100E-05	.00000E+00
22	2.05982E-06	5.38645E-05	6.80943E-10	1.31326E-04	1.77917E-05	6.80943E-10	5.38645E-05	.00000E+00
23	1.91969E-06	1.27412E-04	6.00820E-10	1.45231E-04	1.44607E-04	6.00820E-10	1.27412E-04	.00000E+00
24	1.88162E-06	5.97275E-05	5.71358E-10	7.48373E-05	4.71818E-05	5.71358E-10	5.97275E-05	.00000E+00
25	1.85536E-06	1.50257E-04	5.27440E-10	1.24927E-04	1.73444E-04	5.27440E-10	1.50257E-04	.00000E+00
26	1.74974E-06	1.77099E-04	4.64555E-10	1.86057E-04	2.04922E-04	4.64555E-10	1.77099E-04	.00000E+00
27	1.58956E-06	9.49434E-05	3.67198E-10	9.77963E-05	1.06619E-04	3.67198E-10	9.49434E-05	.00000E+00
28	1.50698E-06	1.27042E-04	2.56256E-10	1.10730E-04	1.55839E-04	2.56256E-10	1.27042E-04	.00000E+00
29	1.50962E-06	7.58533E-05	1.64655E-10	8.80026E-05	8.06125E-05	1.64655E-10	7.58533E-05	.00000E+00
30	1.50797E-06	6.99486E-05	8.26269E-11	7.99103E-05	7.47603E-05	8.26269E-11	6.99486E-05	.00000E+00
31	1.53194E-06	6.66156E-05	3.57799E-11	7.30724E-05	7.14085E-05	3.57799E-11	6.66156E-05	.00000E+00
32	1.55787E-06	5.16879E-05	2.11301E-12	6.17794E-05	5.15168E-05	2.11301E-12	5.16879E-05	.00000E+00
33	1.66779E-06	5.60581E-05	.00000E+00	6.13308E-05	5.97173E-05	.00000E+00	5.60581E-05	.00000E+00
34	1.81466E-06	7.17297E-05	.00000E+00	7.09746E-05	8.06769E-05	.00000E+00	7.17297E-05	.00000E+00
35	1.97329E-06	8.06852E-05	.00000E+00	7.70180E-05	9.27347E-05	.00000E+00	8.06852E-05	.00000E+00
36	2.27013E-06	5.66865E-05	.00000E+00	6.87169E-05	5.46518E-05	.00000E+00	5.66865E-05	9.13252E-12
37	3.34969E-06	4.31305E-05	.00000E+00	6.10091E-05	3.60904E-05	.00000E+00	4.31305E-05	3.37607E-07
38	9.66912E-06	3.63165E-05	.00000E+00	5.00020E-05	3.13492E-05	.00000E+00	3.63165E-05	1.17970E-06
39	1.35577E-05	3.13665E-05	.00000E+00	3.79679E-05	3.04212E-05	.00000E+00	3.13665E-05	2.21102E-06
40	1.49200E-05	2.93636E-05	.00000E+00	3.26465E-05	3.06943E-05	.00000E+00	2.93636E-05	3.71721E-06
41	1.50441E-05	2.97822E-05	.00000E+00	3.16806E-05	3.20300E-05	.00000E+00	2.97822E-05	5.05404E-06
42	1.50050E-05	2.99459E-05	.00000E+00	3.14271E-05	3.24730E-05	.00000E+00	2.99459E-05	5.51659E-06
43	1.49634E-05	3.00914E-05	.00000E+00	3.11998E-05	3.28670E-05	.00000E+00	3.00914E-05	5.94648E-06

44	1.47929E-05	3.00941E-05	.00000E+00	3.03107E-05	3.32198E-05	.00000E+00	3.00941E-05	7.25098E-06
45	1.44636E-05	2.89891E-05	.00000E+00	2.83971E-05	3.23493E-05	.00000E+00	2.89891E-05	6.95570E-06
46	1.45222E-05	2.42667E-05	.00000E+00	2.39765E-05	2.68781E-05	.00000E+00	2.42667E-05	6.19788E-06
47	1.54047E-05	1.73347E-05	.00000E+00	1.91914E-05	1.49388E-05	.00000E+00	1.73347E-05	6.91842E-06
48	1.61566E-05	2.42062E-05	.00000E+00	3.00466E-05	1.06886E-05	.00000E+00	2.42062E-05	7.70363E-06
49	3.51400E-04	5.63655E-04	4.36290E-07	4.98345E-04	5.47105E-04	4.36290E-07	5.63655E-04	9.36478E-04
50	2.28737E-03	3.59634E-03	3.40608E-06	2.54623E-03	4.25668E-03	3.40608E-06	3.59634E-03	1.45079E-03
51	1.97851E-03	6.63087E-03	3.97571E-06	5.62017E-03	7.15633E-03	3.97571E-06	6.63087E-03	8.31992E-04
52	1.80684E-03	1.09086E-02	4.47072E-06	1.03584E-02	1.09124E-02	4.47072E-06	1.09086E-02	4.79473E-04
53	2.06679E-03	1.14119E-02	4.63312E-06	1.07522E-02	1.12717E-02	4.63312E-06	1.14119E-02	2.78020E-04
54	1.45650E-03	6.81331E-03	3.43118E-06	6.52399E-03	6.65971E-03	3.43118E-06	6.81331E-03	7.66701E-04
55	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 56 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.49699E-02	5.02006E-01	2.39703E-01	2.99983E-05
4	6.82209E-04	6.48491E-03	4.84375E-03	7.96589E-07
5	1.40712E-03	1.19781E-02	9.81878E-03	1.63450E-06
6	1.05559E-03	8.98669E-03	7.36445E-03	1.22590E-06
7	7.60517E-04	6.47534E-03	5.30615E-03	8.83280E-07
8	3.32834E-05	.00000E+00	1.60555E-02	4.86051E-07
9	1.43916E-05	.00000E+00	6.95511E-03	2.10378E-07
10	8.43952E-06	.00000E+00	4.04978E-03	1.23468E-07
11	5.79931E-06	.00000E+00	2.78579E-03	8.48734E-08
12	3.76325E-06	.00000E+00	1.81000E-03	5.51633E-08
13	2.41368E-06	.00000E+00	1.16464E-03	3.54380E-08
14	1.47644E-06	.00000E+00	8.14463E-04	2.17071E-08
15	8.35467E-07	.00000E+00	2.73524E-03	1.23047E-08
16	5.36527E-07	.00000E+00	1.13490E-03	7.90907E-09
17	3.68334E-07	.00000E+00	2.75883E-03	5.43541E-09
18	2.25266E-07	.00000E+00	1.68382E-03	3.32480E-09
19	1.36845E-07	.00000E+00	2.72475E-04	2.01720E-09
20	9.25822E-08	.00000E+00	1.03601E-04	1.35814E-09
21	6.36705E-08	.00000E+00	7.39100E-05	9.22873E-10
22	4.78277E-08	.00000E+00	5.38645E-05	6.80943E-10
23	4.23992E-08	.00000E+00	1.27412E-04	6.00820E-10
24	4.06019E-08	.00000E+00	5.97275E-05	5.71358E-10
25	3.78912E-08	.00000E+00	1.50257E-04	5.27440E-10
26	3.38995E-08	.00000E+00	1.77099E-04	4.64555E-10
27	2.81604E-08	.00000E+00	9.49434E-05	3.67198E-10
28	2.18560E-08	.00000E+00	1.27042E-04	2.56256E-10
29	1.70930E-08	.00000E+00	7.58533E-05	1.64655E-10
30	1.32247E-08	.00000E+00	6.99486E-05	8.26269E-11
31	1.11636E-08	.00000E+00	6.66156E-05	3.57799E-11
32	9.72671E-09	.00000E+00	5.16879E-05	2.11301E-12
33	8.12479E-09	.00000E+00	5.60581E-05	.00000E+00
34	5.69440E-09	.00000E+00	7.17297E-05	.00000E+00
35	3.73111E-09	.00000E+00	8.06852E-05	.00000E+00
36	1.80161E-09	9.13252E-12	5.66865E-05	.00000E+00
37	2.55436E-08	3.37607E-07	4.31305E-05	.00000E+00
38	6.44113E-08	1.17970E-06	3.63165E-05	.00000E+00
39	8.91293E-08	2.21102E-06	3.13665E-05	.00000E+00
40	1.19179E-07	3.71721E-06	2.93636E-05	.00000E+00
41	.00000E+00	5.05404E-06	2.97822E-05	.00000E+00
42	.00000E+00	5.51659E-06	2.99459E-05	.00000E+00
43	.00000E+00	5.94648E-06	3.00914E-05	.00000E+00
44	.00000E+00	7.25098E-06	3.00941E-05	.00000E+00
45	3.42574E-10	6.95570E-06	2.89891E-05	.00000E+00
46	8.70007E-10	6.19788E-06	2.42667E-05	.00000E+00

47	8.69688E-10	6.91842E-06	1.73347E-05	.00000E+00
48	2.79208E-07	7.70363E-06	2.42062E-05	.00000E+00
49	3.34672E-04	9.36478E-04	5.63655E-04	4.36290E-07
50	2.33668E-03	1.45079E-03	3.59634E-03	3.40608E-06
51	2.10613E-03	8.31992E-04	6.63087E-03	3.97571E-06
52	1.94139E-03	4.79473E-04	1.09086E-02	4.47072E-06
53	2.16077E-03	2.78020E-04	1.14119E-02	4.63312E-06
54	1.49189E-03	7.66701E-04	6.81331E-03	3.43118E-06
55	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 56 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 52

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.36596E-02	2.44776E-01	3.21997E-05	2.55609E-01	2.42029E-01	3.21997E-05	2.44776E-01	4.90261E-01
4	2.18833E-03	9.17213E-03	1.51390E-06	9.51200E-03	9.09097E-03	1.51390E-06	9.17213E-03	1.19514E-02
5	3.15790E-03	1.40425E-02	2.33761E-06	1.45557E-02	1.39217E-02	2.33761E-06	1.40425E-02	1.71225E-02
6	2.26918E-03	1.00829E-02	1.67845E-06	1.04516E-02	9.99610E-03	1.67845E-06	1.00829E-02	1.23040E-02
7	1.74535E-03	7.75531E-03	1.29097E-06	8.03888E-03	7.68855E-03	1.29097E-06	7.75531E-03	9.46376E-03
8	1.29459E-03	5.75205E-03	9.57519E-07	5.96241E-03	5.70262E-03	9.57519E-07	5.75205E-03	7.01938E-03
9	2.78906E-03	1.90028E-02	2.06196E-06	1.40014E-02	2.02976E-02	2.06196E-06	1.90028E-02	.00000E+00
10	7.09301E-03	8.23125E-03	8.92442E-07	6.06429E-03	8.79153E-03	8.92442E-07	8.23125E-03	.00000E+00
11	6.77276E-04	4.81849E-03	5.23773E-07	3.55351E-03	5.14011E-03	5.23773E-07	4.81849E-03	.00000E+00
12	1.38834E-04	3.31376E-03	3.60049E-07	2.44310E-03	3.53403E-03	3.60049E-07	3.31376E-03	.00000E+00
13	6.17666E-05	2.15160E-03	2.34006E-07	1.58525E-03	2.29307E-03	2.34006E-07	2.15160E-03	.00000E+00
14	2.91918E-04	1.38250E-03	1.50329E-07	1.01795E-03	1.46911E-03	1.50329E-07	1.38250E-03	.00000E+00
15	4.37825E-04	9.90009E-04	9.20850E-08	7.99448E-04	8.93379E-04	9.20850E-08	9.90009E-04	.00000E+00
16	3.21288E-04	3.88593E-03	5.21961E-08	4.56143E-03	4.95909E-04	5.21961E-08	3.88593E-03	.00000E+00
17	1.35142E-04	1.53163E-03	3.35511E-08	1.72125E-03	3.15168E-04	3.35511E-08	1.53163E-03	.00000E+00
18	1.01476E-04	1.85890E-03	2.30579E-08	1.26465E-03	7.69217E-04	2.30579E-08	1.85890E-03	.00000E+00
19	4.82206E-05	1.14424E-03	1.41040E-08	1.13726E-03	1.09748E-03	1.41040E-08	1.14424E-03	.00000E+00
20	2.84909E-05	8.58763E-04	8.55731E-09	1.07082E-03	6.66884E-05	8.55731E-09	8.58763E-04	.00000E+00
21	1.78260E-05	1.26240E-04	5.76121E-09	1.66152E-04	1.52572E-05	5.76121E-09	1.26240E-04	.00000E+00
22	1.17033E-05	8.69362E-05	3.91500E-09	1.34462E-04	1.16187E-05	3.91500E-09	8.69362E-05	.00000E+00
23	8.91122E-06	7.16316E-05	2.88870E-09	1.11277E-04	1.71028E-05	2.88870E-09	7.16316E-05	.00000E+00
24	8.13551E-06	3.22145E-04	2.54877E-09	3.29605E-04	1.64069E-04	2.54877E-09	3.22145E-04	.00000E+00
25	7.76383E-06	7.34063E-05	2.42381E-09	7.70066E-05	4.59349E-05	2.42381E-09	7.34063E-05	.00000E+00
26	7.41361E-06	2.39578E-04	2.23751E-09	2.30054E-04	1.77658E-04	2.23751E-09	2.39578E-04	.00000E+00
27	6.69957E-06	1.66556E-04	1.97076E-09	1.88552E-04	1.30042E-04	1.97076E-09	1.66556E-04	.00000E+00
28	5.88599E-06	1.02446E-04	1.55771E-09	1.19263E-04	6.74273E-05	1.55771E-09	1.02446E-04	.00000E+00
29	5.28201E-06	1.12858E-04	1.08708E-09	1.22230E-04	9.12976E-05	1.08708E-09	1.12858E-04	.00000E+00
30	5.21071E-06	7.57246E-05	6.98477E-10	1.04499E-04	4.73752E-05	6.98477E-10	7.57246E-05	.00000E+00
31	5.02699E-06	7.56253E-05	3.50511E-10	9.49142E-05	5.90141E-05	3.50511E-10	7.56253E-05	.00000E+00
32	4.97050E-06	7.33017E-05	1.51779E-10	8.75594E-05	5.88218E-05	1.51779E-10	7.33017E-05	.00000E+00
33	4.86661E-06	5.94998E-05	8.96362E-12	7.32577E-05	4.68733E-05	8.96362E-12	5.94998E-05	.00000E+00
34	5.03434E-06	6.05143E-05	.00000E+00	6.84833E-05	5.52049E-05	.00000E+00	6.05143E-05	.00000E+00
35	5.36191E-06	7.45196E-05	.00000E+00	7.66911E-05	7.46620E-05	.00000E+00	7.45196E-05	.00000E+00
36	5.73580E-06	8.11886E-05	.00000E+00	8.04224E-05	8.57003E-05	.00000E+00	8.11886E-05	.00000E+00
37	6.58031E-06	5.79702E-05	.00000E+00	7.15143E-05	5.05829E-05	.00000E+00	5.79702E-05	5.66803E-12
38	9.26668E-06	4.90861E-05	.00000E+00	6.51254E-05	4.22727E-05	.00000E+00	4.90861E-05	1.75240E-07
39	2.87902E-05	4.21266E-05	.00000E+00	5.54331E-05	3.67941E-05	.00000E+00	4.21266E-05	6.12332E-07
40	4.09004E-05	3.73218E-05	.00000E+00	4.41748E-05	3.57815E-05	.00000E+00	3.73218E-05	1.14769E-06
41	4.51260E-05	3.50986E-05	.00000E+00	3.85360E-05	3.61151E-05	.00000E+00	3.50986E-05	1.92947E-06
42	4.55454E-05	3.57224E-05	.00000E+00	3.78625E-05	3.76806E-05	.00000E+00	3.57224E-05	2.62333E-06
43	4.54426E-05	3.59621E-05	.00000E+00	3.77049E-05	3.82021E-05	.00000E+00	3.59621E-05	2.86347E-06
44	4.53248E-05	3.61737E-05	.00000E+00	3.75577E-05	3.86656E-05	.00000E+00	3.61737E-05	3.08657E-06
45	4.48400E-05	3.58428E-05	.00000E+00	3.65523E-05	3.89178E-05	.00000E+00	3.58428E-05	3.76373E-06
46	4.38833E-05	3.45126E-05	.00000E+00	3.46121E-05	3.78925E-05	.00000E+00	3.45126E-05	3.60998E-06
47	4.40456E-05	3.04503E-05	.00000E+00	3.05303E-05	3.33258E-05	.00000E+00	3.04503E-05	2.76509E-06
48	4.65672E-05	2.84853E-05	.00000E+00	3.31992E-05	1.85400E-05	.00000E+00	2.84853E-05	1.69648E-06

49	4.89638E-05	5.92700E-04	1.17235E-07	5.78805E-04	5.12930E-04	1.17235E-07	5.92700E-04	1.09114E-03
50	7.09221E-05	4.47135E-03	1.89148E-06	3.17476E-03	5.30712E-03	1.89148E-06	4.47135E-03	2.52191E-03
51	8.60581E-05	9.46244E-03	5.02910E-06	7.65465E-03	1.05257E-02	5.02910E-06	9.46244E-03	1.87936E-03
52	8.73205E-05	1.33967E-02	3.73752E-06	1.28059E-02	1.35788E-02	3.73752E-06	1.33967E-02	2.20766E-03
53	8.61036E-05	1.82918E-02	3.10631E-06	1.75336E-02	1.85713E-02	3.10631E-06	1.82918E-02	1.38784E-03
54	8.75361E-05	1.70483E-02	2.91660E-06	1.58279E-02	1.74109E-02	2.91660E-06	1.70483E-02	9.42549E-04
55	1.12660E-04	1.02464E-02	2.59568E-06	9.62906E-03	1.03481E-02	2.59568E-06	1.02464E-02	2.75694E-03
56	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 57 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.69875E-02	4.90261E-01	2.44776E-01	3.21997E-05
4	1.29861E-03	1.19514E-02	9.17213E-03	1.51390E-06
5	2.01246E-03	1.71225E-02	1.40425E-02	2.33761E-06
6	1.44496E-03	1.23040E-02	1.00829E-02	1.67845E-06
7	1.11163E-03	9.46376E-03	7.75531E-03	1.29097E-06
8	8.24430E-04	7.01938E-03	5.75205E-03	9.57519E-07
9	2.08023E-06	.00000E+00	1.90028E-02	2.06196E-06
10	8.99492E-07	.00000E+00	8.23125E-03	8.92442E-07
11	5.27476E-07	.00000E+00	4.81849E-03	5.23773E-07
12	3.62440E-07	.00000E+00	3.31376E-03	3.60049E-07
13	2.35202E-07	.00000E+00	2.15160E-03	2.34006E-07
14	1.50853E-07	.00000E+00	1.38250E-03	1.50329E-07
15	9.22788E-08	.00000E+00	9.90009E-04	9.20850E-08
16	5.22180E-08	.00000E+00	3.88593E-03	5.21961E-08
17	3.35313E-08	.00000E+00	1.53163E-03	3.35511E-08
18	2.30208E-08	.00000E+00	1.85890E-03	2.30579E-08
19	1.40789E-08	.00000E+00	1.14424E-03	1.41040E-08
20	8.55266E-09	.00000E+00	8.58763E-04	8.55731E-09
21	5.78645E-09	.00000E+00	1.26240E-04	5.76121E-09
22	3.97940E-09	.00000E+00	8.69362E-05	3.91500E-09
23	2.98924E-09	.00000E+00	7.16316E-05	2.88870E-09
24	2.64998E-09	.00000E+00	3.22145E-04	2.54877E-09
25	2.53762E-09	.00000E+00	7.34063E-05	2.42381E-09
26	2.36822E-09	.00000E+00	2.39578E-04	2.23751E-09
27	2.11870E-09	.00000E+00	1.66556E-04	1.97076E-09
28	7.22804E-09	.00000E+00	1.02446E-04	1.55771E-09
29	1.95117E-08	.00000E+00	1.12858E-04	1.08708E-09
30	1.91254E-08	.00000E+00	7.57246E-05	6.98477E-10
31	1.93532E-08	.00000E+00	7.56253E-05	3.50511E-10
32	3.15767E-08	.00000E+00	7.33017E-05	1.51779E-10
33	3.53114E-08	.00000E+00	5.94998E-05	8.96362E-12
34	3.35970E-08	.00000E+00	6.05143E-05	.00000E+00
35	3.14631E-08	.00000E+00	7.45196E-05	.00000E+00
36	2.94137E-08	.00000E+00	8.11886E-05	.00000E+00
37	2.73371E-08	5.66803E-12	5.79702E-05	.00000E+00
38	1.12614E-08	1.75240E-07	4.90861E-05	.00000E+00
39	.00000E+00	6.12332E-07	4.21266E-05	.00000E+00
40	2.21998E-09	1.14769E-06	3.73218E-05	.00000E+00
41	1.11378E-09	1.92947E-06	3.50986E-05	.00000E+00
42	1.82938E-09	2.62333E-06	3.57224E-05	.00000E+00
43	2.63376E-09	2.86347E-06	3.59621E-05	.00000E+00
44	3.62517E-09	3.08657E-06	3.61737E-05	.00000E+00
45	5.48527E-09	3.76373E-06	3.58428E-05	.00000E+00
46	1.01210E-09	3.60998E-06	3.45126E-05	.00000E+00
47	6.29004E-10	2.76509E-06	3.04503E-05	.00000E+00
48	1.62853E-07	1.69648E-06	2.84853E-05	.00000E+00
49	1.27927E-05	1.09114E-03	5.92700E-04	1.17235E-07
50	1.30679E-04	2.52191E-03	4.47135E-03	1.89148E-06

51	1.55254E-04	1.87936E-03	9.46244E-03	5.02910E-06
52	1.83246E-04	2.20766E-03	1.33967E-02	3.73752E-06
53	1.62455E-04	1.38784E-03	1.82918E-02	3.10631E-06
54	9.42405E-05	9.42549E-04	1.70483E-02	2.91660E-06
55	5.19398E-05	2.75694E-03	1.02464E-02	2.59568E-06
56	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 57 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 53

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.27373E-02	2.54010E-01	3.54355E-05	2.64838E-01	2.51281E-01	3.54355E-05	2.54010E-01	4.78054E-01
4	3.27730E-03	1.37389E-02	2.26774E-06	1.42480E-02	1.36177E-02	2.26774E-06	1.37389E-02	1.78992E-02
5	4.24669E-03	1.88799E-02	3.14294E-06	1.95702E-02	1.87174E-02	3.14294E-06	1.88799E-02	2.30268E-02
6	3.25539E-03	1.44653E-02	2.40795E-06	1.49943E-02	1.43407E-02	2.40795E-06	1.44653E-02	1.76514E-02
7	2.42135E-03	1.07594E-02	1.79101E-06	1.11526E-02	1.06668E-02	1.79101E-06	1.07594E-02	1.31288E-02
8	1.91418E-03	8.50551E-03	1.41585E-06	8.81652E-03	8.43228E-03	1.41585E-06	8.50551E-03	1.03790E-02
9	1.46282E-03	6.49955E-03	1.08194E-06	6.73722E-03	6.44372E-03	1.08194E-06	6.49955E-03	7.93161E-03
10	6.46645E-03	1.99686E-02	4.22112E-07	1.33936E-02	2.43013E-02	4.22112E-07	1.99686E-02	.00000E+00
11	1.29778E-02	8.64970E-03	1.82695E-07	5.80013E-03	1.05257E-02	1.82695E-07	8.64970E-03	.00000E+00
12	2.09662E-03	4.92237E-03	1.07225E-07	3.33362E-03	5.94668E-03	1.07225E-07	4.92237E-03	.00000E+00
13	8.34374E-03	3.38512E-03	7.37084E-08	2.29032E-03	4.08862E-03	7.37084E-08	3.38512E-03	.00000E+00
14	8.95030E-04	2.19814E-03	4.79054E-08	1.48412E-03	2.65285E-03	4.79054E-08	2.19814E-03	.00000E+00
15	4.27575E-02	1.41381E-03	3.07748E-08	9.51825E-04	1.69960E-03	3.07748E-08	1.41381E-03	.00000E+00
16	2.20790E-02	1.12169E-03	1.88507E-08	8.94874E-04	1.03350E-03	1.88507E-08	1.12169E-03	.00000E+00
17	3.84659E-03	6.53406E-03	1.06854E-08	7.79493E-03	5.73603E-04	1.06854E-08	6.53406E-03	.00000E+00
18	5.12065E-03	2.47461E-03	6.86844E-09	2.85846E-03	3.64171E-04	6.86844E-09	2.47461E-03	.00000E+00
19	1.29503E-03	2.31355E-03	4.72015E-09	1.68922E-03	8.73706E-04	4.72015E-09	2.31355E-03	.00000E+00
20	7.88558E-04	1.72432E-03	2.88731E-09	1.64212E-03	1.62082E-03	2.88731E-09	1.72432E-03	.00000E+00
21	4.27502E-04	4.33027E-04	1.75180E-09	5.25810E-04	7.84992E-05	1.75180E-09	4.33027E-04	.00000E+00
22	2.58701E-04	2.06477E-04	1.17943E-09	2.79858E-04	1.88400E-05	1.17943E-09	2.06477E-04	.00000E+00
23	1.85681E-04	1.43470E-04	8.01444E-10	2.17167E-04	1.51999E-05	8.01444E-10	1.43470E-04	.00000E+00
24	1.56315E-04	1.20007E-04	5.91379E-10	1.78230E-04	2.31681E-05	5.91379E-10	1.20007E-04	.00000E+00
25	1.40602E-04	2.34445E-04	5.21750E-10	2.10807E-04	1.86019E-04	5.21750E-10	2.34445E-04	.00000E+00
26	1.35277E-04	1.16409E-04	4.96208E-10	1.32659E-04	5.27003E-05	4.96208E-10	1.16409E-04	.00000E+00
27	1.27444E-04	2.30181E-04	4.58064E-10	2.05702E-04	2.02176E-04	4.58064E-10	2.30181E-04	.00000E+00
28	1.15520E-04	2.42105E-04	4.03445E-10	2.35100E-04	2.32781E-04	4.03445E-10	2.42105E-04	.00000E+00
29	9.12721E-05	1.46661E-04	3.18883E-10	1.39359E-04	1.38829E-04	3.18883E-10	1.46661E-04	2.68971E-10
30	6.19989E-05	1.90453E-04	2.22537E-10	1.59040E-04	2.10249E-04	2.22537E-10	1.90453E-04	4.38068E-09
31	4.91375E-05	1.17317E-04	1.42991E-10	1.28349E-04	1.08701E-04	1.42991E-10	1.17317E-04	2.67407E-07
32	4.25282E-05	1.11155E-04	7.17528E-11	1.17516E-04	1.08349E-04	7.17528E-11	1.11155E-04	2.08985E-08
33	4.12711E-05	1.07509E-04	3.63775E-11	1.09925E-04	1.04870E-04	3.63775E-11	1.07509E-04	7.22624E-07
34	4.10253E-05	8.21383E-05	3.58102E-12	9.25342E-05	7.16306E-05	3.58102E-12	8.21383E-05	3.87425E-07
35	4.20555E-05	8.52654E-05	.00000E+00	8.90927E-05	8.22715E-05	.00000E+00	8.52654E-05	2.04184E-06
36	4.54569E-05	1.05851E-04	.00000E+00	1.00745E-04	1.11292E-04	.00000E+00	1.05851E-04	4.52782E-06
37	4.83239E-05	1.18347E-04	.00000E+00	1.09118E-04	1.27858E-04	.00000E+00	1.18347E-04	3.21550E-06
38	5.22854E-05	8.45475E-05	.00000E+00	9.67073E-05	7.53480E-05	.00000E+00	8.45475E-05	2.51122E-06
39	5.56431E-05	6.22995E-05	.00000E+00	8.29699E-05	4.93877E-05	.00000E+00	6.22995E-05	1.00068E-06
40	1.00223E-04	5.30020E-05	.00000E+00	7.06808E-05	4.27686E-05	.00000E+00	5.30020E-05	1.81581E-06
41	1.29040E-04	4.65821E-05	.00000E+00	5.69254E-05	4.14436E-05	.00000E+00	4.65821E-05	2.74302E-06
42	1.36372E-04	4.30404E-05	.00000E+00	4.88721E-05	4.18461E-05	.00000E+00	4.30404E-05	4.05373E-06
43	1.35110E-04	4.33701E-05	.00000E+00	4.69693E-05	4.36663E-05	.00000E+00	4.33701E-05	5.21076E-06
44	1.34195E-04	4.35323E-05	.00000E+00	4.64571E-05	4.42693E-05	.00000E+00	4.35323E-05	5.60501E-06
45	1.33315E-04	4.36789E-05	.00000E+00	4.60055E-05	4.48061E-05	.00000E+00	4.36789E-05	5.96825E-06
46	1.30665E-04	4.32304E-05	.00000E+00	4.41684E-05	4.51827E-05	.00000E+00	4.32304E-05	7.04214E-06
47	1.26617E-04	4.14317E-05	.00000E+00	4.09185E-05	4.40977E-05	.00000E+00	4.14317E-05	6.50404E-06
48	1.25527E-04	3.70442E-05	.00000E+00	3.85542E-05	4.02522E-05	.00000E+00	3.70442E-05	4.87754E-06
49	1.31005E-04	3.98065E-04	.00000E+00	6.21499E-04	1.01067E-04	.00000E+00	3.98065E-04	2.27549E-04
50	1.38604E-04	5.17880E-03	1.94766E-07	3.97737E-03	6.02212E-03	1.94766E-07	5.17880E-03	1.90984E-03
51	1.95301E-04	1.29073E-02	1.54106E-06	1.02042E-02	1.48841E-02	1.54106E-06	1.29073E-02	2.10324E-03

52	2.28602E-04	1.78651E-02	2.11494E-06	1.68740E-02	1.85766E-02	2.11494E-06	1.78651E-02	6.55155E-03
53	2.30622E-04	2.29012E-02	1.56167E-06	2.26429E-02	2.32556E-02	1.56167E-06	2.29012E-02	7.32554E-03
54	2.29020E-04	2.63963E-02	1.89524E-06	2.53660E-02	2.74236E-02	1.89524E-06	2.63963E-02	4.16557E-03
55	4.35224E-04	2.30553E-02	2.18373E-06	2.13381E-02	2.40783E-02	2.18373E-06	2.30553E-02	3.93100E-03
56	1.04525E-03	1.41023E-02	2.89930E-06	1.32711E-02	1.45012E-02	2.89930E-06	1.41023E-02	9.71812E-03
57	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 58 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.99255E-02	4.78054E-01	2.54010E-01	3.54355E-05
4	1.94547E-03	1.78992E-02	1.37389E-02	2.26774E-06
5	2.70587E-03	2.30268E-02	1.88799E-02	3.14294E-06
6	2.07304E-03	1.76514E-02	1.44653E-02	2.40795E-06
7	1.54184E-03	1.31288E-02	1.07594E-02	1.79101E-06
8	1.21914E-03	1.03790E-02	8.50551E-03	1.41585E-06
9	9.31554E-04	7.93161E-03	6.49955E-03	1.08194E-06
10	2.35213E-04	.00000E+00	1.99686E-02	4.22112E-07
11	1.01895E-04	.00000E+00	8.64970E-03	1.82695E-07
12	5.97765E-05	.00000E+00	4.92237E-03	1.07225E-07
13	4.10913E-05	.00000E+00	3.38512E-03	7.37084E-08
14	2.66721E-05	.00000E+00	2.19814E-03	4.79054E-08
15	1.71145E-05	.00000E+00	1.41381E-03	3.07748E-08
16	1.04741E-05	.00000E+00	1.12169E-03	1.88507E-08
17	5.93236E-06	.00000E+00	6.53406E-03	1.06854E-08
18	3.81477E-06	.00000E+00	2.47461E-03	6.86844E-09
19	2.61940E-06	.00000E+00	2.31355E-03	4.72015E-09
20	1.61098E-06	.00000E+00	1.72432E-03	2.88731E-09
21	1.03718E-06	.00000E+00	4.33027E-04	1.75180E-09
22	7.00079E-07	.00000E+00	2.06477E-04	1.17943E-09
23	3.90729E-07	.00000E+00	1.43470E-04	8.01444E-10
24	2.79721E-07	.00000E+00	1.20007E-04	5.91379E-10
25	2.50085E-07	.00000E+00	2.34445E-04	5.21750E-10
26	2.40263E-07	.00000E+00	1.16409E-04	4.96208E-10
27	2.25441E-07	.00000E+00	2.30181E-04	4.58064E-10
28	2.03575E-07	.00000E+00	2.42105E-04	4.03445E-10
29	1.66533E-07	2.68971E-10	1.46661E-04	3.18883E-10
30	1.18840E-07	4.38068E-09	1.90453E-04	2.22537E-10
31	9.29422E-08	2.67407E-07	1.17317E-04	1.42991E-10
32	7.19090E-08	2.08985E-08	1.11155E-04	7.17528E-11
33	4.88043E-08	7.22624E-07	1.07509E-04	3.63775E-11
34	3.76911E-08	3.87425E-07	8.21383E-05	3.58102E-12
35	3.14840E-08	2.04184E-06	8.52654E-05	.00000E+00
36	2.37726E-08	4.52782E-06	1.05851E-04	.00000E+00
37	1.67448E-08	3.21550E-06	1.18347E-04	.00000E+00
38	8.81448E-09	2.51122E-06	8.45475E-05	.00000E+00
39	2.44178E-09	1.00068E-06	6.22995E-05	.00000E+00
40	1.54145E-09	1.81581E-06	5.30020E-05	.00000E+00
41	4.50132E-09	2.74302E-06	4.65821E-05	.00000E+00
42	8.05255E-10	4.05373E-06	4.30404E-05	.00000E+00
43	1.32263E-09	5.21076E-06	4.33701E-05	.00000E+00
44	1.90421E-09	5.60501E-06	4.35323E-05	.00000E+00
45	2.62097E-09	5.96825E-06	4.36789E-05	.00000E+00
46	3.96587E-09	7.04214E-06	4.32304E-05	.00000E+00
47	1.81340E-08	6.50404E-06	4.14317E-05	.00000E+00
48	4.63850E-07	4.87754E-06	3.70442E-05	.00000E+00
49	8.40453E-05	2.27549E-04	3.98065E-04	.00000E+00
50	3.76687E-03	1.90984E-03	5.17880E-03	1.94766E-07
51	7.07801E-03	2.10324E-03	1.29073E-02	1.54106E-06
52	1.03911E-02	6.55155E-03	1.78651E-02	2.11494E-06

53	9.14417E-03	7.32554E-03	2.29012E-02	1.56167E-06
54	9.65363E-03	4.16557E-03	2.63963E-02	1.89524E-06
55	7.00923E-03	3.93100E-03	2.30553E-02	2.18373E-06
56	5.52864E-03	9.71812E-03	1.41023E-02	2.89930E-06
57	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 58 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 54

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.37510E-02	2.71599E-01	4.03232E-05	2.82663E-01	2.68844E-01	4.03232E-05	2.71599E-01	4.75184E-01
4	5.35930E-03	2.24560E-02	3.70628E-06	2.32885E-02	2.22576E-02	3.70628E-06	2.24560E-02	2.92741E-02
5	6.32221E-03	2.81081E-02	4.67917E-06	2.91361E-02	2.78662E-02	4.67917E-06	2.81081E-02	3.42820E-02
6	4.47687E-03	1.98938E-02	3.31162E-06	2.06211E-02	1.97227E-02	3.31162E-06	1.98938E-02	2.42752E-02
7	3.55361E-03	1.57903E-02	2.62853E-06	1.63678E-02	1.56543E-02	2.62853E-06	1.57903E-02	1.92683E-02
8	2.74831E-03	1.22122E-02	2.03287E-06	1.26587E-02	1.21072E-02	2.03287E-06	1.22122E-02	1.49018E-02
9	2.23529E-03	9.93227E-03	1.65336E-06	1.02956E-02	9.84659E-03	1.65336E-06	9.93227E-03	1.21203E-02
10	1.75872E-03	7.81431E-03	1.30083E-06	8.10006E-03	7.74718E-03	1.30083E-06	7.81431E-03	9.53601E-03
11	1.61604E-02	2.27648E-02	7.16513E-07	1.49988E-02	2.70403E-02	7.16513E-07	2.27648E-02	.00000E+00
12	3.15739E-02	9.86081E-03	3.10118E-07	6.49545E-03	1.17118E-02	3.10118E-07	9.86081E-03	.00000E+00
13	5.37645E-03	5.87762E-03	1.82010E-07	3.85156E-03	7.00684E-03	1.82010E-07	5.87762E-03	.00000E+00
14	3.65476E-02	4.04203E-03	1.25115E-07	2.64645E-03	4.81754E-03	1.25115E-07	4.04203E-03	.00000E+00
15	1.66662E-03	2.62499E-03	8.13146E-08	1.71581E-03	3.12582E-03	8.13146E-08	2.62499E-03	.00000E+00
16	1.00255E-01	1.69002E-03	5.22409E-08	1.10347E-03	2.00261E-03	5.22409E-08	1.69002E-03	.00000E+00
17	5.18427E-02	1.46362E-03	3.19988E-08	1.20195E-03	1.21784E-03	3.19988E-08	1.46362E-03	.00000E+00
18	9.19281E-03	1.06856E-02	1.81382E-08	1.28633E-02	6.76020E-04	1.81382E-08	1.06856E-02	.00000E+00
19	1.20465E-02	3.97521E-03	1.16590E-08	4.67001E-03	4.29394E-04	1.16590E-08	3.97521E-03	.00000E+00
20	3.05788E-03	3.06356E-03	8.01258E-09	2.39163E-03	1.03595E-03	8.01258E-09	3.06356E-03	.00000E+00
21	1.85782E-03	2.50525E-03	4.90115E-09	2.09845E-03	2.22656E-03	4.90115E-09	2.50525E-03	.00000E+00
22	1.00640E-03	6.20319E-04	2.97361E-09	7.87039E-04	9.33037E-05	2.97361E-09	6.20319E-04	.00000E+00
23	6.09748E-04	3.30502E-04	2.00207E-09	4.55062E-04	2.22496E-05	2.00207E-09	3.30502E-04	.00000E+00
24	4.37613E-04	2.40569E-04	1.36044E-09	3.54873E-04	1.85546E-05	1.36044E-09	2.40569E-04	.00000E+00
25	3.68187E-04	2.10899E-04	1.00381E-09	3.00866E-04	2.87209E-05	1.00381E-09	2.10899E-04	.00000E+00
26	3.31115E-04	3.31872E-04	8.85717E-10	3.27109E-04	2.11654E-04	8.85717E-10	3.31872E-04	.00000E+00
27	3.18577E-04	1.95566E-04	8.42294E-10	2.34477E-04	6.08346E-05	8.42294E-10	1.95566E-04	.00000E+00
28	3.00121E-04	3.20350E-04	7.77535E-10	3.08479E-04	2.32701E-04	7.77535E-10	3.20350E-04	.00000E+00
29	2.72049E-04	3.86830E-04	6.84868E-10	3.56736E-04	3.62367E-04	6.84868E-10	3.86830E-04	1.03295E-10
30	2.15115E-04	2.22864E-04	5.41318E-10	2.07946E-04	2.00670E-04	5.41318E-10	2.22864E-04	5.50043E-09
31	1.46265E-04	2.40371E-04	3.77778E-10	2.09462E-04	2.45392E-04	3.77778E-10	2.40371E-04	8.66799E-08
32	1.15777E-04	1.51638E-04	2.42759E-10	1.69528E-04	1.26896E-04	2.42759E-10	1.51638E-04	1.21622E-06
33	1.00088E-04	1.47629E-04	1.21850E-10	1.57051E-04	1.33764E-04	1.21850E-10	1.47629E-04	9.02529E-08
34	9.71458E-05	1.44045E-04	4.74917E-11	1.48586E-04	1.30496E-04	4.74917E-11	1.44045E-04	3.09363E-06
35	9.65692E-05	1.15977E-04	1.42975E-12	1.29365E-04	9.34578E-05	1.42975E-12	1.15977E-04	1.65075E-06
36	9.91018E-05	1.19057E-04	5.48992E-14	1.23556E-04	1.08198E-04	5.48992E-14	1.19057E-04	8.66733E-06
37	1.07334E-04	1.45701E-04	4.98735E-14	1.37926E-04	1.46548E-04	4.98735E-14	1.45701E-04	1.91885E-05
38	1.14508E-04	1.63229E-04	4.61024E-14	1.50166E-04	1.68320E-04	4.61024E-14	1.63229E-04	1.36039E-05
39	1.24825E-04	1.18726E-04	4.31024E-14	1.33660E-04	9.90727E-05	4.31024E-14	1.18726E-04	1.06165E-05
40	1.37540E-04	7.90008E-05	3.76745E-14	1.07216E-04	5.63354E-05	3.76745E-14	7.90008E-05	3.52355E-06
41	2.70832E-04	6.77402E-05	3.34034E-14	9.17186E-05	4.89568E-05	3.34034E-14	6.77402E-05	5.21307E-06
42	3.55967E-04	5.95425E-05	3.05990E-14	7.46433E-05	4.74956E-05	3.05990E-14	5.95425E-05	6.98144E-06
43	3.79267E-04	5.52062E-05	2.82411E-14	6.49384E-05	4.79053E-05	2.82411E-14	5.52062E-05	9.38128E-06
44	3.77300E-04	5.90064E-05	2.68989E-14	6.69792E-05	4.99857E-05	2.68989E-14	5.90064E-05	1.14835E-05
45	3.75168E-04	6.03400E-05	2.65207E-14	6.78051E-05	5.06762E-05	2.65207E-14	6.03400E-05	1.21853E-05
46	3.73094E-04	6.15216E-05	2.62033E-14	6.85345E-05	5.12908E-05	2.62033E-14	6.15216E-05	1.28253E-05
47	3.66642E-04	6.41105E-05	2.52827E-14	7.02440E-05	5.17157E-05	2.52827E-14	6.41105E-05	1.46442E-05
48	3.56572E-04	6.65010E-05	2.40724E-14	7.23151E-05	5.04278E-05	2.40724E-14	6.65010E-05	1.29883E-05
49	4.69009E-04	7.35110E-04	2.24691E-14	1.60714E-03	3.59419E-04	2.24691E-14	7.35110E-04	9.88473E-06
50	6.97406E-04	9.87494E-03	2.06428E-08	9.49799E-03	1.10861E-02	2.06428E-08	9.87494E-03	1.73739E-05
51	5.86122E-04	2.26642E-02	7.29557E-08	1.98077E-02	2.53219E-02	7.29557E-08	2.26642E-02	5.39815E-04
52	7.28427E-04	2.78760E-02	5.06677E-07	2.68510E-02	2.87960E-02	5.06677E-07	2.78760E-02	7.18104E-03

53	1.18424E-03	3.33555E-02	1.58553E-06	3.37031E-02	3.33044E-02	1.58553E-06	3.33555E-02	1.50354E-02
54	2.12104E-03	3.64880E-02	2.73202E-06	3.66735E-02	3.69143E-02	2.73202E-06	3.64880E-02	1.30998E-02
55	2.20411E-03	3.76392E-02	3.57555E-06	3.63606E-02	3.92072E-02	3.57555E-06	3.76392E-02	6.76963E-03
56	2.32813E-03	3.18062E-02	3.91235E-06	2.98052E-02	3.29103E-02	3.91235E-06	3.18062E-02	8.39449E-03
57	2.29666E-03	1.96776E-02	4.55634E-06	1.90647E-02	1.97207E-02	4.55634E-06	1.96776E-02	1.79684E-02
58	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 59 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.43072E-02	4.75184E-01	2.71599E-01	4.03232E-05
4	3.17992E-03	2.92741E-02	2.24560E-02	3.70628E-06
5	4.02867E-03	3.42820E-02	2.81081E-02	4.67917E-06
6	2.85109E-03	2.42752E-02	1.98938E-02	3.31162E-06
7	2.26291E-03	1.92683E-02	1.57903E-02	2.62853E-06
8	1.75006E-03	1.49018E-02	1.22122E-02	2.03287E-06
9	1.42369E-03	1.21203E-02	9.93227E-03	1.65336E-06
10	1.12001E-03	9.53601E-03	7.81431E-03	1.30083E-06
11	3.11524E-05	.00000E+00	2.27648E-02	7.16513E-07
12	1.35630E-05	.00000E+00	9.86081E-03	3.10118E-07
13	7.96788E-06	.00000E+00	5.87762E-03	1.82010E-07
14	5.48382E-06	.00000E+00	4.04203E-03	1.25115E-07
15	3.56213E-06	.00000E+00	2.62499E-03	8.13146E-08
16	2.28921E-06	.00000E+00	1.69002E-03	5.22409E-08
17	1.40301E-06	.00000E+00	1.46362E-03	3.19988E-08
18	7.96972E-07	.00000E+00	1.06856E-02	1.81382E-08
19	5.14309E-07	.00000E+00	3.97521E-03	1.16590E-08
20	3.53752E-07	.00000E+00	3.06356E-03	8.01258E-09
21	2.20757E-07	.00000E+00	2.50525E-03	4.90115E-09
22	1.62111E-07	.00000E+00	6.20319E-04	2.97361E-09
23	1.09068E-07	.00000E+00	3.30502E-04	2.00207E-09
24	4.15987E-08	.00000E+00	2.40569E-04	1.36044E-09
25	8.72447E-07	.00000E+00	2.10899E-04	1.00381E-09
26	6.35475E-08	.00000E+00	3.31872E-04	8.85717E-10
27	3.40446E-08	.00000E+00	1.95566E-04	8.42294E-10
28	1.81201E-08	.00000E+00	3.20350E-04	7.77535E-10
29	1.47086E-08	1.03295E-10	3.86830E-04	6.84868E-10
30	1.34887E-08	5.50043E-09	2.22864E-04	5.41318E-10
31	1.21165E-08	8.66799E-08	2.40371E-04	3.77778E-10
32	1.13887E-08	1.21622E-06	1.51638E-04	2.42759E-10
33	1.13345E-08	9.02529E-08	1.47629E-04	1.21850E-10
34	1.28203E-08	3.09363E-06	1.44045E-04	4.74917E-11
35	2.47153E-08	1.65075E-06	1.15977E-04	1.42975E-12
36	1.89568E-08	8.66733E-06	1.19057E-04	5.48992E-14
37	1.77976E-08	1.91885E-05	1.45701E-04	4.98735E-14
38	1.55252E-08	1.36039E-05	1.63229E-04	4.61024E-14
39	1.42227E-08	1.06165E-05	1.18726E-04	4.31024E-14
40	1.91180E-08	3.52355E-06	7.90008E-05	3.76745E-14
41	6.41995E-07	5.21307E-06	6.77402E-05	3.34034E-14
42	2.30217E-06	6.98144E-06	5.95425E-05	3.05990E-14
43	2.37559E-06	9.38128E-06	5.52062E-05	2.82411E-14
44	2.43056E-06	1.14835E-05	5.90064E-05	2.68989E-14
45	2.44873E-06	1.21853E-05	6.03400E-05	2.65207E-14
46	2.46478E-06	1.28253E-05	6.15216E-05	2.62033E-14
47	2.51295E-06	1.46442E-05	6.41105E-05	2.52827E-14
48	2.55950E-06	1.29883E-05	6.65010E-05	2.40724E-14
49	2.21856E-06	9.88473E-06	7.35110E-04	2.24691E-14
50	4.65865E-06	1.73739E-05	9.87494E-03	2.06428E-08
51	1.23008E-05	5.39815E-04	2.26642E-02	7.29557E-08
52	9.95054E-05	7.18104E-03	2.78760E-02	5.06677E-07

53	5.08448E-04	1.50354E-02	3.33555E-02	1.58553E-06
54	1.38100E-03	1.30998E-02	3.64880E-02	2.73202E-06
55	1.49058E-03	6.76963E-03	3.76392E-02	3.57555E-06
56	1.17852E-03	8.39449E-03	3.18062E-02	3.91235E-06
57	9.92838E-04	1.79684E-02	1.96776E-02	4.55634E-06
58	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 59 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 55

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.03729E-02	3.13115E-01	4.96356E-05	3.25173E-01	3.10160E-01	4.96356E-05	3.13115E-01	4.99466E-01
4	8.79918E-03	3.61525E-02	5.94911E-06	3.74991E-02	3.58300E-02	5.94911E-06	3.61525E-02	4.81815E-02
5	1.05123E-02	4.67387E-02	7.78092E-06	4.84479E-02	4.63369E-02	7.78092E-06	4.67387E-02	5.70036E-02
6	6.93167E-03	3.08023E-02	5.12757E-06	3.19287E-02	3.05373E-02	5.12757E-06	3.08023E-02	3.75845E-02
7	5.22505E-03	2.32186E-02	3.86507E-06	2.40675E-02	2.30189E-02	3.86507E-06	2.32186E-02	2.83319E-02
8	4.31301E-03	1.91646E-02	3.19022E-06	1.98654E-02	1.89996E-02	3.19022E-06	1.91646E-02	2.33861E-02
9	3.47138E-03	1.54254E-02	2.56773E-06	1.59894E-02	1.52928E-02	2.56773E-06	1.54254E-02	1.88226E-02
10	2.90093E-03	1.28897E-02	2.14569E-06	1.33610E-02	1.27788E-02	2.14569E-06	1.28897E-02	1.57293E-02
11	2.34307E-03	1.04106E-02	1.73303E-06	1.07912E-02	1.03212E-02	1.73303E-06	1.04106E-02	1.27046E-02
12	4.86156E-02	2.76638E-02	2.05872E-07	1.97536E-02	2.88727E-02	2.05872E-07	2.76638E-02	4.23914E-07
13	8.50129E-02	1.19827E-02	8.91066E-08	8.55571E-03	1.25051E-02	8.91066E-08	1.19827E-02	1.83957E-07
14	2.23396E-02	7.00256E-03	5.22966E-08	5.00766E-03	7.29248E-03	5.22966E-08	7.00256E-03	1.07999E-07
15	2.48807E-01	4.81585E-03	3.59508E-08	3.44269E-03	5.01394E-03	3.59508E-08	4.81585E-03	7.44827E-08
16	7.14674E-03	3.12829E-03	2.33651E-08	2.23530E-03	3.25339E-03	2.33651E-08	3.12829E-03	4.85180E-08
17	3.80645E-01	2.01852E-03	1.50106E-08	1.44559E-03	2.08454E-03	1.50106E-08	2.01852E-03	3.12540E-08
18	1.95496E-01	2.04563E-03	9.19446E-09	1.88448E-03	1.26793E-03	9.19446E-09	2.04563E-03	1.92291E-08
19	3.43803E-02	1.97226E-02	5.21189E-09	2.40166E-02	7.04741E-04	5.21189E-09	1.97226E-02	1.09177E-08
20	4.55241E-02	7.21134E-03	3.35011E-09	8.65430E-03	4.50368E-04	3.35011E-09	7.21134E-03	7.07579E-09
21	1.12569E-02	4.37415E-03	2.30234E-09	3.78420E-03	1.18330E-03	2.30234E-09	4.37415E-03	4.95738E-09
22	6.88653E-03	3.51257E-03	1.40835E-09	3.06095E-03	2.51449E-03	1.40835E-09	3.51257E-03	3.21207E-09
23	3.71844E-03	1.48520E-03	8.54459E-10	1.91059E-03	1.03912E-04	8.54459E-10	1.48520E-03	2.28252E-09
24	2.25361E-03	5.95780E-04	5.75315E-10	8.01452E-04	2.31698E-05	5.75315E-10	5.95780E-04	1.94409E-09
25	1.62137E-03	4.19125E-04	3.90956E-10	5.89624E-04	1.99359E-05	3.90956E-10	4.19125E-04	2.46397E-09
26	1.36657E-03	3.57088E-04	2.88500E-10	4.91634E-04	3.03732E-05	2.88500E-10	3.57088E-04	5.57334E-09
27	1.22840E-03	6.06354E-04	2.54571E-10	6.69379E-04	2.29466E-04	2.54571E-10	6.06354E-04	8.45387E-09
28	1.18147E-03	3.23384E-04	2.42102E-10	3.94831E-04	6.89042E-05	2.42102E-10	3.23384E-04	1.01991E-08
29	1.11204E-03	5.12986E-04	2.23499E-10	5.41881E-04	2.64570E-04	2.23499E-10	5.12986E-04	1.38926E-08
30	1.00724E-03	5.30205E-04	1.96872E-10	5.27526E-04	4.02704E-04	1.96872E-10	5.30205E-04	2.49558E-08
31	7.92472E-04	3.20951E-04	1.55660E-10	3.22572E-04	2.31105E-04	1.55660E-10	3.20951E-04	1.24053E-06
32	5.30168E-04	3.28758E-04	1.08719E-10	3.05931E-04	2.88270E-04	1.08719E-10	3.28758E-04	1.81684E-05
33	4.11997E-04	2.14435E-04	6.99664E-11	2.46716E-04	1.49011E-04	6.99664E-11	2.14435E-04	2.52379E-05
34	3.51790E-04	1.98020E-04	3.54746E-11	2.22136E-04	1.48259E-04	3.54746E-11	1.98020E-04	7.26715E-07
35	3.39014E-04	1.92342E-04	1.89862E-11	2.10849E-04	1.43335E-04	1.89862E-11	1.92342E-04	1.80826E-05
36	3.36254E-04	1.59520E-04	2.31904E-12	1.86302E-04	1.03420E-04	2.31904E-12	1.59520E-04	7.65480E-06
37	3.43780E-04	1.58208E-04	3.21128E-13	1.73587E-04	1.19974E-04	3.21128E-13	1.58208E-04	3.18630E-05
38	3.71956E-04	1.86346E-04	2.91728E-13	1.88449E-04	1.62229E-04	2.91728E-13	1.86346E-04	6.24374E-05
39	3.95929E-04	2.07546E-04	2.69672E-13	2.04381E-04	1.86431E-04	2.69672E-13	2.07546E-04	3.84357E-05
40	4.29593E-04	1.58205E-04	2.52117E-13	1.86429E-04	1.09794E-04	2.52117E-13	1.58205E-04	2.80333E-05
41	4.62504E-04	1.06557E-04	2.20374E-13	1.46377E-04	6.55468E-05	2.20374E-13	1.06557E-04	7.28331E-06
42	8.70513E-04	9.07886E-05	1.95383E-13	1.24819E-04	5.69567E-05	1.95383E-13	9.07886E-05	8.31794E-06
43	1.13281E-03	7.91061E-05	1.78982E-13	1.01759E-04	5.52699E-05	1.78982E-13	7.91061E-05	8.85934E-06
44	1.23538E-03	9.17347E-05	1.65190E-13	1.40602E-04	5.70499E-05	1.65190E-13	9.17347E-05	9.20939E-06
45	1.30984E-03	1.86176E-04	1.57340E-13	2.90762E-04	8.17056E-05	1.57340E-13	1.86176E-04	9.45353E-06
46	1.33014E-03	2.60275E-04	1.55126E-13	3.67378E-04	1.09023E-04	1.55126E-13	2.60275E-04	9.47563E-06
47	1.34736E-03	3.45675E-04	2.49591E-11	4.54412E-04	1.42797E-04	2.49591E-11	3.45675E-04	9.46672E-06
48	1.40185E-03	6.02385E-04	2.69744E-08	7.02915E-04	2.45734E-04	2.69744E-08	6.02385E-04	1.39091E-03
49	1.48100E-03	9.09135E-04	2.06631E-07	1.09281E-03	4.13520E-04	2.06631E-07	9.09135E-04	1.16158E-02
50	1.94527E-03	1.02245E-02	3.55763E-07	5.99504E-03	1.38033E-02	3.55763E-07	1.02245E-02	2.36942E-02
51	2.69945E-03	3.03509E-02	1.99107E-06	2.10529E-02	3.79366E-02	1.99107E-06	3.03509E-02	5.36747E-02

52	2.09609E-03	3.61229E-02	4.45167E-06	3.13920E-02	3.95682E-02	4.45167E-06	3.61229E-02	7.89697E-02
53	2.26966E-03	3.92728E-02	6.86970E-06	3.81491E-02	4.00624E-02	6.86970E-06	3.92728E-02	9.33146E-02
54	2.58477E-03	4.09179E-02	7.51583E-06	4.13639E-02	4.07696E-02	7.51583E-06	4.09179E-02	9.52875E-02
55	2.67944E-03	4.08228E-02	5.48663E-06	4.14035E-02	4.10832E-02	5.48663E-06	4.08228E-02	7.18830E-02
56	3.53724E-03	4.08950E-02	5.57304E-06	4.00517E-02	4.20355E-02	5.57304E-06	4.08950E-02	3.78319E-02
57	4.63135E-03	3.41191E-02	4.84353E-06	3.27573E-02	3.45521E-02	4.84353E-06	3.41191E-02	2.97327E-02
58	4.07040E-03	2.27842E-02	3.81249E-06	2.32697E-02	2.19389E-02	3.81249E-06	2.27842E-02	4.22924E-02
59	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 60 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	4.25354E-02	4.99466E-01	3.13115E-01	4.96356E-05
4	5.09970E-03	4.81815E-02	3.61525E-02	5.94911E-06
5	6.69962E-03	5.70036E-02	4.67387E-02	7.78092E-06
6	4.41475E-03	3.75845E-02	3.08023E-02	5.12757E-06
7	3.32756E-03	2.83319E-02	2.32186E-02	3.86507E-06
8	2.74650E-03	2.33861E-02	1.91646E-02	3.19022E-06
9	2.21050E-03	1.88226E-02	1.54254E-02	2.56773E-06
10	1.84762E-03	1.57293E-02	1.28897E-02	2.14569E-06
11	1.49213E-03	1.27046E-02	1.04106E-02	1.73303E-06
12	1.77707E-02	4.23914E-07	2.76638E-02	2.05872E-07
13	7.69698E-03	1.83957E-07	1.19827E-02	8.91066E-08
14	4.51783E-03	1.07999E-07	7.00256E-03	5.22966E-08
15	3.10690E-03	7.44827E-08	4.81585E-03	3.59508E-08
16	2.01774E-03	4.85180E-08	3.12829E-03	2.33651E-08
17	1.29578E-03	3.12540E-08	2.01852E-03	1.50106E-08
18	7.93651E-04	1.92291E-08	2.04563E-03	9.19446E-09
19	4.49578E-04	1.09177E-08	1.97226E-02	5.21189E-09
20	2.88630E-04	7.07579E-09	7.21134E-03	3.35011E-09
21	1.98011E-04	4.95738E-09	4.37415E-03	2.30234E-09
22	1.21193E-04	3.21207E-09	3.51257E-03	1.40835E-09
23	7.45564E-05	2.28252E-09	1.48520E-03	8.54459E-10
24	4.95467E-05	1.94409E-09	5.95780E-04	5.75315E-10
25	3.23497E-05	2.46397E-09	4.19125E-04	3.90956E-10
26	2.34963E-05	5.57334E-09	3.57088E-04	2.88500E-10
27	1.96498E-05	8.45387E-09	6.06354E-04	2.54571E-10
28	1.85985E-05	1.01991E-08	3.23384E-04	2.42102E-10
29	1.69537E-05	1.38926E-08	5.12986E-04	2.23499E-10
30	1.45476E-05	2.49558E-08	5.30205E-04	1.96872E-10
31	1.13870E-05	1.24053E-06	3.20951E-04	1.55660E-10
32	7.96547E-06	1.81684E-05	3.28758E-04	1.08719E-10
33	5.49749E-06	2.52379E-05	2.14435E-04	6.99664E-11
34	3.75942E-06	7.26715E-07	1.98020E-04	3.54746E-11
35	3.04193E-06	1.80826E-05	1.92342E-04	1.89862E-11
36	2.67354E-06	7.65480E-06	1.59520E-04	2.31904E-12
37	2.46977E-06	3.18630E-05	1.58208E-04	3.21128E-13
38	2.37186E-06	6.24374E-05	1.86346E-04	2.91728E-13
39	2.30788E-06	3.84357E-05	2.07546E-04	2.69672E-13
40	2.29345E-06	2.80333E-05	1.58205E-04	2.52117E-13
41	2.28371E-06	7.28331E-06	1.06557E-04	2.20374E-13
42	1.67975E-06	8.31794E-06	9.07886E-05	1.95383E-13
43	3.79583E-08	8.85934E-06	7.91061E-05	1.78982E-13
44	1.84617E-10	9.20939E-06	9.17347E-05	1.65190E-13
45	3.12694E-09	9.45353E-06	1.86176E-04	1.57340E-13
46	3.21942E-08	9.47563E-06	2.60275E-04	1.55126E-13
47	3.41713E-06	9.46672E-06	3.45675E-04	2.49591E-11
48	3.65010E-05	1.39091E-03	6.02385E-04	2.69744E-08
49	3.84564E-05	1.16158E-02	9.09135E-04	2.06631E-07
50	7.02831E-05	2.36942E-02	1.02245E-02	3.55763E-07

51	2.60131E-04	5.36747E-02	3.03509E-02	1.99107E-06
52	3.84828E-04	7.89697E-02	3.61229E-02	4.45167E-06
53	3.27036E-04	9.33146E-02	3.92728E-02	6.86970E-06
54	3.14230E-04	9.52875E-02	4.09179E-02	7.51583E-06
55	3.87784E-04	7.18830E-02	4.08228E-02	5.48663E-06
56	6.41999E-04	3.78319E-02	4.08950E-02	5.57304E-06
57	7.27489E-04	2.97327E-02	3.41191E-02	4.84353E-06
58	5.14144E-04	4.22924E-02	2.27842E-02	3.81249E-06
59	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 60 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 56

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.01477E-01	3.60204E-01	5.88328E-05	3.73738E-01	3.56903E-01	5.88328E-05	3.60204E-01	5.52154E-01
4	1.09680E-02	4.31974E-02	7.06080E-06	4.48224E-02	4.28048E-02	7.06080E-06	4.31974E-02	6.03523E-02
5	1.11090E-02	4.94392E-02	8.23048E-06	5.12468E-02	4.90142E-02	8.23048E-06	4.94392E-02	6.02368E-02
6	5.82988E-03	2.59084E-02	4.31288E-06	2.68558E-02	2.56858E-02	4.31288E-06	2.59084E-02	3.16133E-02
7	4.16578E-03	1.85116E-02	3.08160E-06	1.91884E-02	1.83525E-02	3.08160E-06	1.85116E-02	2.25883E-02
8	3.29911E-03	1.46602E-02	2.44041E-06	1.51962E-02	1.45342E-02	2.44041E-06	1.46602E-02	1.78889E-02
9	2.80022E-03	1.24425E-02	2.07124E-06	1.28975E-02	1.23353E-02	2.07124E-06	1.24425E-02	1.51832E-02
10	2.31418E-03	1.02831E-02	1.71175E-06	1.06592E-02	1.01946E-02	1.71175E-06	1.02831E-02	1.25478E-02
11	1.96681E-03	8.73929E-03	1.45475E-06	9.05907E-03	8.66392E-03	1.45475E-06	8.73929E-03	1.06647E-02
12	1.61351E-03	7.16914E-03	1.19344E-06	7.43132E-03	7.10753E-03	1.19344E-06	7.16914E-03	8.74882E-03
13	4.78974E-02	2.33818E-02	8.82579E-07	1.86718E-02	2.75073E-02	8.82579E-07	2.33818E-02	2.37189E-05
14	8.07999E-02	1.01274E-02	3.82000E-07	8.08506E-03	1.19136E-02	3.82000E-07	1.01274E-02	1.02928E-05
15	2.43809E-02	5.86289E-03	2.24194E-07	4.70720E-03	6.87023E-03	2.24194E-07	5.86289E-03	6.04281E-06
16	2.84375E-01	4.03146E-03	1.54114E-07	3.23343E-03	4.72335E-03	1.54114E-07	4.03146E-03	4.16755E-06
17	8.44387E-03	2.61770E-03	1.00165E-07	2.09504E-03	3.06447E-03	1.00165E-07	2.61770E-03	2.71465E-06
18	3.38898E-01	1.68517E-03	6.43474E-08	1.34501E-03	1.96273E-03	6.43474E-08	1.68517E-03	1.74874E-06
19	1.74240E-01	1.51985E-03	3.94155E-08	1.42188E-03	1.19254E-03	3.94155E-08	1.51985E-03	1.07594E-06
20	3.12833E-02	1.21121E-02	2.23427E-08	1.47139E-02	6.59547E-04	2.23427E-08	1.21121E-02	6.10880E-07
21	4.07430E-02	4.46160E-03	1.43611E-08	5.33803E-03	4.11750E-04	1.43611E-08	4.46160E-03	3.95904E-07
22	1.01414E-02	2.57792E-03	9.86980E-09	2.28675E-03	7.45006E-04	9.86980E-09	2.57792E-03	2.77374E-07
23	6.19825E-03	1.88238E-03	6.03728E-09	1.82720E-03	1.16843E-03	6.03728E-09	1.88238E-03	1.79681E-07
24	3.34426E-03	6.37728E-04	3.66283E-09	8.19061E-04	6.84406E-05	3.66283E-09	6.37728E-04	1.27247E-07
25	2.03122E-03	3.60972E-04	2.46608E-09	4.90199E-04	1.34750E-05	2.46608E-09	3.60972E-04	1.07544E-07
26	1.46333E-03	2.88458E-04	1.67576E-09	4.48743E-04	9.39395E-06	1.67576E-09	2.88458E-04	1.12668E-07
27	1.23315E-03	2.61502E-04	1.23650E-09	4.00321E-04	1.67574E-05	1.23650E-09	2.61502E-04	1.37187E-07
28	1.10867E-03	3.80285E-04	1.09096E-09	3.80396E-04	2.26920E-04	1.09096E-09	3.80285E-04	1.58487E-07
29	1.06672E-03	2.39044E-04	1.03747E-09	2.92141E-04	6.11193E-05	1.03747E-09	2.39044E-04	1.72439E-07
30	1.00455E-03	3.66229E-04	9.57771E-10	3.77458E-04	2.41096E-04	9.57771E-10	3.66229E-04	1.98496E-07
31	9.10520E-04	2.87378E-04	8.43550E-10	3.70729E-04	1.57148E-04	8.43550E-10	2.87378E-04	2.72649E-07
32	7.18216E-04	1.62417E-04	6.66739E-10	1.97762E-04	8.68565E-05	6.66739E-10	1.62417E-04	9.69965E-06
33	4.83205E-04	1.63657E-04	4.65314E-10	1.71086E-04	1.27415E-04	4.65314E-10	1.63657E-04	8.01805E-05
34	3.76273E-04	1.11170E-04	2.98981E-10	1.41592E-04	6.59105E-05	2.98981E-10	1.11170E-04	7.68285E-05
35	3.21570E-04	1.04609E-04	1.49840E-10	1.29183E-04	6.77197E-05	1.49840E-10	1.04609E-04	1.98265E-06
36	3.09384E-04	1.02336E-04	6.14602E-11	1.22710E-04	6.57845E-05	6.14602E-11	1.02336E-04	4.58094E-05
37	3.06951E-04	8.91341E-05	2.76917E-12	1.12499E-04	4.79213E-05	2.76917E-12	8.91341E-05	1.79740E-05
38	3.14306E-04	8.72743E-05	.00000E+00	1.04596E-04	5.56582E-05	.00000E+00	8.72743E-05	6.73499E-05
39	3.40342E-04	1.00234E-04	.00000E+00	1.11580E-04	7.52867E-05	.00000E+00	1.00234E-04	1.22816E-04
40	3.63137E-04	1.12331E-04	.00000E+00	1.22189E-04	8.64931E-05	.00000E+00	1.12331E-04	6.81516E-05
41	3.96259E-04	9.03739E-05	.00000E+00	1.15342E-04	5.08834E-05	.00000E+00	9.03739E-05	4.68222E-05
42	4.42019E-04	5.66253E-05	.00000E+00	8.77662E-05	2.29789E-05	.00000E+00	5.66253E-05	1.14499E-05
43	9.01457E-04	5.61090E-05	.00000E+00	8.50982E-05	2.27982E-05	.00000E+00	5.61090E-05	1.39362E-05
44	1.27205E-03	1.96216E-04	.00000E+00	2.69612E-04	8.23286E-05	.00000E+00	1.96216E-04	1.58771E-05
45	1.52983E-03	5.93042E-04	.00000E+00	6.60512E-04	2.29751E-04	.00000E+00	5.93042E-04	1.80410E-05
46	1.75050E-03	9.19890E-04	.00000E+00	9.60496E-04	3.30347E-04	.00000E+00	9.19890E-04	1.98605E-05
47	1.81625E-03	1.00949E-03	.00000E+00	1.04386E-03	3.55716E-04	.00000E+00	1.00949E-03	2.03950E-05
48	1.87344E-03	1.09988E-03	.00000E+00	1.12572E-03	3.82354E-04	.00000E+00	1.09988E-03	2.08470E-05

49	2.05147E-03	9.50566E-04	.00000E+00	1.07213E-03	3.22332E-04	.00000E+00	9.50566E-04	2.17668E-05
50	2.31066E-03	3.99969E-03	.00000E+00	2.60073E-03	4.53050E-03	.00000E+00	3.99969E-03	1.69922E-05
51	2.69379E-03	1.23105E-02	.00000E+00	9.55684E-03	1.30497E-02	.00000E+00	1.23105E-02	1.23951E-05
52	3.02344E-03	1.94524E-02	5.08642E-07	2.06461E-02	1.59124E-02	5.08642E-07	1.94524E-02	1.47933E-03
53	2.29774E-03	2.35969E-02	1.79365E-06	2.66084E-02	1.95519E-02	1.79365E-06	2.35969E-02	1.02147E-02
54	2.51254E-03	2.51278E-02	3.38149E-06	2.94587E-02	2.08568E-02	3.38149E-06	2.51278E-02	1.51621E-02
55	2.93153E-03	2.45225E-02	2.89472E-06	2.76983E-02	2.13718E-02	2.89472E-06	2.45225E-02	1.62063E-02
56	2.95076E-03	2.40532E-02	1.82751E-06	2.68030E-02	2.19537E-02	1.82751E-06	2.40532E-02	1.32110E-02
57	3.64375E-03	2.64757E-02	1.52171E-06	2.94640E-02	2.28566E-02	1.52171E-06	2.64757E-02	9.47629E-03
58	4.30283E-03	1.98110E-02	1.29280E-06	1.97458E-02	1.88483E-02	1.29280E-06	1.98110E-02	1.82040E-02
59	3.85947E-03	1.54166E-02	8.36704E-07	1.72140E-02	1.37236E-02	8.36704E-07	1.54166E-02	2.63124E-02
60	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 61 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.05766E-02	5.52154E-01	3.60204E-01	5.88328E-05
4	6.05421E-03	6.03523E-02	4.31974E-02	7.06080E-06
5	7.08844E-03	6.02368E-02	4.94392E-02	8.23048E-06
6	3.71364E-03	3.16133E-02	2.59084E-02	4.31288E-06
7	2.65320E-03	2.25883E-02	1.85116E-02	3.08160E-06
8	2.10104E-03	1.78889E-02	1.46602E-02	2.44041E-06
9	1.78317E-03	1.51832E-02	1.24425E-02	2.07124E-06
10	1.47363E-03	1.25478E-02	1.02831E-02	1.71175E-06
11	1.25269E-03	1.06647E-02	8.73929E-03	1.45475E-06
12	1.02755E-03	8.74882E-03	7.16914E-03	1.19344E-06
13	.00000E+00	2.37189E-05	2.33818E-02	8.82579E-07
14	.00000E+00	1.02928E-05	1.01274E-02	3.82000E-07
15	.00000E+00	6.04281E-06	5.86289E-03	2.24194E-07
16	.00000E+00	4.16755E-06	4.03146E-03	1.54114E-07
17	.00000E+00	2.71465E-06	2.61770E-03	1.00165E-07
18	.00000E+00	1.74874E-06	1.68517E-03	6.43474E-08
19	.00000E+00	1.07594E-06	1.51985E-03	3.94155E-08
20	.00000E+00	6.10880E-07	1.21121E-02	2.23427E-08
21	.00000E+00	3.95904E-07	4.46160E-03	1.43611E-08
22	.00000E+00	2.77374E-07	2.57792E-03	9.86980E-09
23	.00000E+00	1.79681E-07	1.88238E-03	6.03728E-09
24	.00000E+00	1.27247E-07	6.37728E-04	3.66283E-09
25	.00000E+00	1.07544E-07	3.60972E-04	2.46608E-09
26	.00000E+00	1.12668E-07	2.88458E-04	1.67576E-09
27	.00000E+00	1.37187E-07	2.61502E-04	1.23650E-09
28	.00000E+00	1.58487E-07	3.80285E-04	1.09096E-09
29	.00000E+00	1.72439E-07	2.39044E-04	1.03747E-09
30	.00000E+00	1.98496E-07	3.66229E-04	9.57771E-10
31	.00000E+00	2.72649E-07	2.87378E-04	8.43550E-10
32	.00000E+00	9.69965E-06	1.62417E-04	6.66739E-10
33	.00000E+00	8.01805E-05	1.63657E-04	4.65314E-10
34	.00000E+00	7.68285E-05	1.11170E-04	2.98981E-10
35	2.82116E-09	1.98265E-06	1.04609E-04	1.49840E-10
36	8.93246E-09	4.58094E-05	1.02336E-04	6.14602E-11
37	9.17909E-09	1.79740E-05	8.91341E-05	2.76917E-12
38	9.59713E-09	6.73499E-05	8.72743E-05	.00000E+00
39	1.02099E-08	1.22816E-04	1.00234E-04	.00000E+00
40	8.05557E-09	6.81516E-05	1.12331E-04	.00000E+00
41	8.12670E-12	4.68222E-05	9.03739E-05	.00000E+00
42	4.66432E-11	1.14499E-05	5.66253E-05	.00000E+00
43	1.59055E-11	1.39362E-05	5.61090E-05	.00000E+00
44	.00000E+00	1.58771E-05	1.96216E-04	.00000E+00
45	.00000E+00	1.80410E-05	5.93042E-04	.00000E+00
46	.00000E+00	1.98605E-05	9.19890E-04	.00000E+00

47	.00000E+00	2.03950E-05	1.00949E-03	.00000E+00
48	.00000E+00	2.08470E-05	1.09988E-03	.00000E+00
49	.00000E+00	2.17668E-05	9.50566E-04	.00000E+00
50	.00000E+00	1.69922E-05	3.99969E-03	.00000E+00
51	.00000E+00	1.23951E-05	1.23105E-02	.00000E+00
52	.00000E+00	1.47933E-03	1.94524E-02	5.08642E-07
53	6.31974E-08	1.02147E-02	2.35969E-02	1.79365E-06
54	4.90244E-07	1.51621E-02	2.51278E-02	3.38149E-06
55	1.01014E-06	1.62063E-02	2.45225E-02	2.89472E-06
56	8.45984E-06	1.32110E-02	2.40532E-02	1.82751E-06
57	6.76021E-05	9.47629E-03	2.64757E-02	1.52171E-06
58	1.04039E-04	1.82040E-02	1.98110E-02	1.29280E-06
59	7.43811E-05	2.63124E-02	1.54166E-02	8.36704E-07
60	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 61 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 57

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.26754E-01	4.28692E-01	7.06720E-05	4.44717E-01	4.24758E-01	7.06720E-05	4.28692E-01	6.83594E-01
4	1.96185E-02	7.58062E-02	1.23512E-05	7.86728E-02	7.51094E-02	1.23512E-05	7.58062E-02	1.08267E-01
5	2.02359E-02	9.01083E-02	1.50022E-05	9.34009E-02	8.93344E-02	1.50022E-05	9.01083E-02	1.09728E-01
6	1.18888E-02	5.28361E-02	8.79540E-06	5.47685E-02	5.23814E-02	8.79540E-06	5.28361E-02	6.44697E-02
7	7.09763E-03	3.15409E-02	5.25053E-06	3.26942E-02	3.12697E-02	5.25053E-06	3.15409E-02	3.84852E-02
8	5.36831E-03	2.38558E-02	3.97115E-06	2.47279E-02	2.36508E-02	3.97115E-06	2.38558E-02	2.91092E-02
9	4.38386E-03	1.94805E-02	3.24280E-06	2.01927E-02	1.93130E-02	3.24280E-06	1.94805E-02	2.37707E-02
10	3.78117E-03	1.68018E-02	2.79684E-06	1.74163E-02	1.66571E-02	2.79684E-06	1.68018E-02	2.05022E-02
11	3.17021E-03	1.40869E-02	2.34493E-06	1.46021E-02	1.39656E-02	2.34493E-06	1.40869E-02	1.71895E-02
12	2.71801E-03	1.20771E-02	2.01037E-06	1.25189E-02	1.19729E-02	2.01037E-06	1.20771E-02	1.47375E-02
13	2.24697E-03	9.98383E-03	1.66196E-06	1.03489E-02	9.89801E-03	1.66196E-06	9.98383E-03	1.21836E-02
14	7.88915E-02	1.36162E-02	6.33034E-09	1.76806E-02	1.28960E-02	6.33034E-09	1.36162E-02	7.06788E-07
15	1.37416E-01	5.89805E-03	2.74286E-09	7.65160E-03	5.58557E-03	2.74286E-09	5.89805E-03	3.06720E-07
16	3.13217E-02	3.43357E-03	1.61091E-09	4.47165E-03	3.23503E-03	1.61091E-09	3.43357E-03	1.80070E-07
17	2.86602E-01	2.36146E-03	1.10730E-09	3.06533E-03	2.22433E-03	1.10730E-09	2.36146E-03	1.24185E-07
18	1.08007E-02	1.53411E-03	7.19655E-10	1.97599E-03	1.44345E-03	7.19655E-10	1.53411E-03	8.08931E-08
19	3.30251E-01	9.88869E-04	4.62352E-10	1.25253E-03	9.25148E-04	4.62352E-10	9.88869E-04	5.21109E-08
20	1.71818E-01	8.87934E-04	2.83161E-10	1.09298E-03	5.63209E-04	2.83161E-10	8.87934E-04	3.20616E-08
21	3.26715E-02	6.96429E-03	1.60576E-10	8.58764E-03	3.14207E-04	1.60576E-10	6.96429E-03	1.82037E-08
22	4.03823E-02	2.58516E-03	1.03208E-10	3.15841E-03	2.04295E-04	1.03208E-10	2.58516E-03	1.17976E-08
23	1.05846E-02	2.05768E-03	7.09592E-11	1.66540E-03	6.58471E-04	7.09592E-11	2.05768E-03	8.26549E-09
24	6.41683E-03	1.29880E-03	4.34401E-11	1.37261E-03	9.25010E-04	4.34401E-11	1.29880E-03	5.35493E-09
25	3.46588E-03	4.27955E-04	2.63262E-11	5.81312E-04	5.20367E-05	2.63262E-11	4.27955E-04	3.79903E-09
26	2.11782E-03	2.18261E-04	1.77473E-11	3.26552E-04	1.10043E-05	1.77473E-11	2.18261E-04	3.22378E-09
27	1.53246E-03	2.70690E-04	1.20870E-11	4.66752E-04	9.22286E-06	1.20870E-11	2.70690E-04	3.59778E-09
28	1.29166E-03	2.99768E-04	8.94759E-12	4.88616E-04	1.20718E-05	8.94759E-12	2.99768E-04	5.65351E-09
29	1.16332E-03	3.26183E-04	7.91496E-12	4.05730E-04	1.03744E-04	7.91496E-12	3.26183E-04	7.52647E-09
30	1.12211E-03	2.49058E-04	7.54041E-12	3.31531E-04	3.11949E-05	7.54041E-12	2.49058E-04	8.68383E-09
31	1.06086E-03	3.14130E-04	6.96532E-12	3.94918E-04	1.16922E-04	6.96532E-12	3.14130E-04	1.10589E-08
32	9.66160E-04	2.90214E-04	6.15323E-12	4.32092E-04	1.14548E-04	6.15323E-12	2.90214E-04	1.80915E-08
33	7.75705E-04	1.63424E-04	4.91797E-12	2.24939E-04	6.23544E-05	4.91797E-12	1.63424E-04	8.17839E-07
34	5.45930E-04	1.51856E-04	3.73859E-12	1.86116E-04	8.74324E-05	3.73859E-12	1.51856E-04	1.06696E-05
35	4.40595E-04	1.10311E-04	3.23697E-12	1.59093E-04	4.53291E-05	3.23697E-12	1.10311E-04	1.35769E-05
36	3.85485E-04	1.03607E-04	1.79680E-12	1.46494E-04	4.64084E-05	1.79680E-12	1.03607E-04	3.60141E-07
37	3.74399E-04	1.02708E-04	9.79943E-13	1.41380E-04	4.48618E-05	9.79943E-13	1.02708E-04	8.48851E-06
38	3.74286E-04	9.17879E-05	3.90153E-13	1.31683E-04	3.08363E-05	3.90153E-13	9.17879E-05	3.40312E-06
39	3.88948E-04	8.70378E-05	3.21128E-13	1.21837E-04	3.54101E-05	3.21128E-13	8.70378E-05	1.31635E-05
40	4.24793E-04	9.67695E-05	2.91728E-13	1.29969E-04	4.74512E-05	2.91728E-13	9.67695E-05	2.45655E-05
41	4.60418E-04	1.07155E-04	2.69672E-13	1.41294E-04	5.46085E-05	2.69672E-13	1.07155E-04	1.41219E-05
42	5.19143E-04	9.58569E-05	2.52117E-13	1.41496E-04	3.22553E-05	2.52117E-13	9.58569E-05	9.91311E-06
43	7.25141E-04	7.31717E-05	2.20374E-13	1.45085E-04	1.53311E-05	2.20374E-13	7.31717E-05	2.50677E-06

44	2.03005E-03	4.98169E-03	1.95383E-13	1.00708E-02	5.99519E-05	1.95383E-13	4.98169E-03	3.04223E-06
45	3.26980E-03	1.41306E-02	1.78982E-13	2.99125E-02	1.06110E-04	1.78982E-13	1.41306E-02	3.45591E-06
46	4.16601E-03	1.77849E-02	1.65190E-13	3.75127E-02	3.69985E-04	1.65190E-13	1.77849E-02	3.91285E-06
47	4.57236E-03	2.04832E-02	1.57340E-13	4.12080E-02	2.00803E-03	1.57340E-13	2.04832E-02	4.29655E-06
48	4.68388E-03	2.11910E-02	1.55126E-13	4.19011E-02	2.71379E-03	1.55126E-13	2.11910E-02	4.40839E-06
49	4.78062E-03	2.18759E-02	1.53272E-13	4.25921E-02	3.33898E-03	1.53272E-13	2.18759E-02	4.50242E-06
50	5.07755E-03	2.44749E-02	1.47884E-13	4.58166E-02	5.29550E-03	1.47884E-13	2.44749E-02	4.68915E-06
51	5.50226E-03	2.99261E-02	1.40809E-13	5.41763E-02	8.18249E-03	1.40809E-13	2.99261E-02	3.64562E-06
52	5.83307E-03	4.08793E-02	1.31427E-13	7.32881E-02	1.42747E-02	1.31427E-13	4.08793E-02	2.69766E-06
53	5.83148E-03	5.88024E-02	1.15108E-13	9.11511E-02	3.00821E-02	1.15108E-13	5.88024E-02	4.76866E-03
54	4.97348E-03	6.97285E-02	1.01397E-09	9.52227E-02	4.54270E-02	1.01397E-09	6.97285E-02	1.30101E-02
55	5.55084E-03	7.44751E-02	1.53487E-08	9.52133E-02	5.33738E-02	1.53487E-08	7.44751E-02	1.45617E-02
56	6.12121E-03	7.90051E-02	8.47091E-08	9.74183E-02	5.98959E-02	8.47091E-08	7.90051E-02	1.54535E-02
57	6.85158E-03	8.29341E-02	2.11621E-07	9.78170E-02	6.61382E-02	2.11621E-07	8.29341E-02	1.29319E-02
58	7.75683E-03	8.35240E-02	3.40965E-07	9.12526E-02	7.19885E-02	3.40965E-07	8.35240E-02	1.86827E-02
59	7.85335E-03	7.25038E-02	3.06011E-07	7.78085E-02	6.09872E-02	3.06011E-07	7.25038E-02	3.35199E-02
60	7.37267E-03	5.51628E-02	2.25037E-07	6.04649E-02	4.83639E-02	2.25037E-07	5.51628E-02	4.49450E-02
61	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 62 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	6.08189E-02	6.83594E-01	4.28692E-01	7.06720E-05
4	1.05846E-02	1.08267E-01	7.58062E-02	1.23512E-05
5	1.29197E-02	1.09728E-01	9.01083E-02	1.50022E-05
6	7.57494E-03	6.44697E-02	5.28361E-02	8.79540E-06
7	4.52106E-03	3.84852E-02	3.15409E-02	5.25053E-06
8	3.41910E-03	2.91092E-02	2.38558E-02	3.97115E-06
9	2.79186E-03	2.37707E-02	1.94805E-02	3.24280E-06
10	2.40784E-03	2.05022E-02	1.68018E-02	2.79684E-06
11	2.01873E-03	1.71895E-02	1.40869E-02	2.34493E-06
12	1.73113E-03	1.47375E-02	1.20771E-02	2.01037E-06
13	1.43096E-03	1.21836E-02	9.98383E-03	1.66196E-06
14	2.65676E-05	7.06788E-07	1.36162E-02	6.33034E-09
15	1.15792E-05	3.06720E-07	5.89805E-03	2.74286E-09
16	6.80350E-06	1.80070E-07	3.43357E-03	1.61091E-09
17	4.68256E-06	1.24185E-07	2.36146E-03	1.10730E-09
18	3.04184E-06	8.08931E-08	1.53411E-03	7.19655E-10
19	1.95451E-06	5.21109E-08	9.88869E-04	4.62352E-10
20	1.19812E-06	3.20616E-08	8.87934E-04	2.83161E-10
21	6.80554E-07	1.82037E-08	6.96429E-03	1.60576E-10
22	4.39531E-07	1.17976E-08	2.58516E-03	1.03208E-10
23	3.01975E-07	8.26549E-09	2.05768E-03	7.09592E-11
24	1.88969E-07	5.35493E-09	1.29880E-03	4.34401E-11
25	1.42313E-07	3.79903E-09	4.27955E-04	2.63262E-11
26	9.55197E-08	3.22378E-09	2.18261E-04	1.77473E-11
27	2.29942E-08	3.59778E-09	2.70690E-04	1.20870E-11
28	1.07835E-08	5.65351E-09	2.99768E-04	8.94759E-12
29	1.05629E-08	7.52647E-09	3.26183E-04	7.91496E-12
30	1.04856E-08	8.68383E-09	2.49058E-04	7.54041E-12
31	1.03495E-08	1.10589E-08	3.14130E-04	6.96532E-12
32	1.01454E-08	1.80915E-08	2.90214E-04	6.15323E-12
33	9.79088E-09	8.17839E-07	1.63424E-04	4.91797E-12
34	9.24494E-09	1.06696E-05	1.51856E-04	3.73859E-12
35	9.04599E-09	1.35769E-05	1.10311E-04	3.23697E-12
36	6.32081E-09	3.60141E-07	1.03607E-04	1.79680E-12
37	3.57234E-10	8.48851E-06	1.02708E-04	9.79943E-13
38	5.88757E-10	3.40312E-06	9.17879E-05	3.90153E-13
39	3.29440E-10	1.31635E-05	8.70378E-05	3.21128E-13
40	2.81770E-10	2.45655E-05	9.67695E-05	2.91728E-13

41	2.56367E-10	1.41219E-05	1.07155E-04	2.69672E-13
42	2.35117E-10	9.91311E-06	9.58569E-05	2.52117E-13
43	1.89703E-10	2.50677E-06	7.31717E-05	2.20374E-13
44	1.68190E-10	3.04223E-06	4.98169E-03	1.95383E-13
45	1.54071E-10	3.45591E-06	1.41306E-02	1.78982E-13
46	4.54365E-09	3.91285E-06	1.77849E-02	1.65190E-13
47	1.89455E-07	4.29655E-06	2.04832E-02	1.57340E-13
48	4.43318E-07	4.40839E-06	2.11910E-02	1.55126E-13
49	8.52929E-07	4.50242E-06	2.18759E-02	1.53272E-13
50	2.18177E-06	4.68915E-06	2.44749E-02	1.47884E-13
51	4.20908E-06	3.64562E-06	2.99261E-02	1.40809E-13
52	7.66001E-06	2.69766E-06	4.08793E-02	1.31427E-13
53	1.74387E-05	4.76866E-03	5.88024E-02	1.15108E-13
54	2.49396E-05	1.30101E-02	6.97285E-02	1.01397E-09
55	2.39857E-05	1.45617E-02	7.44751E-02	1.53487E-08
56	1.70668E-05	1.54535E-02	7.90051E-02	8.47091E-08
57	1.24755E-05	1.29319E-02	8.29341E-02	2.11621E-07
58	8.70603E-06	1.86827E-02	8.35240E-02	3.40965E-07
59	6.31700E-06	3.35199E-02	7.25038E-02	3.06011E-07
60	6.48063E-06	4.49450E-02	5.51628E-02	2.25037E-07
61	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 62 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 58

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.67230E-01	5.02359E-01	8.24705E-05	5.21318E-01	4.97598E-01	8.24705E-05	5.02359E-01	8.98405E-01
4	1.95489E-02	6.44971E-02	1.02388E-05	6.70365E-02	6.38540E-02	1.02388E-05	6.44971E-02	1.08821E-01
5	1.60673E-02	7.17110E-02	1.19460E-05	7.43306E-02	7.10958E-02	1.19460E-05	7.17110E-02	8.70065E-02
6	8.41290E-03	3.73941E-02	6.22537E-06	3.87611E-02	3.70727E-02	6.22537E-06	3.73941E-02	4.56213E-02
7	5.52907E-03	2.45718E-02	4.09036E-06	2.54703E-02	2.43605E-02	4.09036E-06	2.45718E-02	2.99825E-02
8	3.62569E-03	1.61121E-02	2.68218E-06	1.67013E-02	1.59736E-02	2.68218E-06	1.61121E-02	1.96603E-02
9	2.83650E-03	1.26048E-02	2.09826E-06	1.30656E-02	1.24966E-02	2.09826E-06	1.26048E-02	1.53805E-02
10	2.35475E-03	1.04638E-02	1.74184E-06	1.08464E-02	1.03737E-02	1.74184E-06	1.04638E-02	1.27682E-02
11	2.04750E-03	9.09799E-03	1.51451E-06	9.43084E-03	9.01956E-03	1.51451E-06	9.09799E-03	1.11021E-02
12	1.72850E-03	7.68055E-03	1.27854E-06	7.96140E-03	7.61445E-03	1.27854E-06	7.68055E-03	9.37204E-03
13	1.48772E-03	6.61059E-03	1.10043E-06	6.85232E-03	6.55369E-03	1.10043E-06	6.61059E-03	8.06687E-03
14	1.23387E-03	5.48244E-03	9.12623E-07	5.68292E-03	5.43533E-03	9.12623E-07	5.48244E-03	6.69045E-03
15	4.54665E-02	9.08383E-03	3.97972E-09	1.43329E-02	6.73532E-03	3.97972E-09	9.08383E-03	2.70409E-07
16	7.62722E-02	3.93463E-03	1.72592E-09	6.20735E-03	2.91723E-03	1.72592E-09	3.93463E-03	1.17346E-07
17	1.53328E-02	2.31333E-03	1.01428E-09	3.64613E-03	1.71699E-03	1.01428E-09	2.31333E-03	6.88939E-08
18	1.00066E-01	1.59082E-03	6.97183E-10	2.50652E-03	1.18050E-03	6.97183E-10	1.59082E-03	4.75118E-08
19	6.55204E-03	1.03380E-03	4.53074E-10	1.62755E-03	7.66010E-04	4.53074E-10	1.03380E-03	3.09488E-08
20	1.56613E-01	6.69294E-04	2.91105E-10	1.05016E-03	4.90810E-04	2.91105E-10	6.69294E-04	1.99371E-08
21	8.16449E-02	8.39158E-04	1.78255E-10	1.17146E-03	2.98563E-04	1.78255E-10	8.39158E-04	1.22661E-08
22	1.55117E-02	1.03075E-02	1.01124E-10	1.28163E-02	1.65987E-04	1.01124E-10	1.03075E-02	6.96428E-09
23	1.91435E-02	3.72073E-03	6.49905E-11	4.63775E-03	1.06266E-04	6.49905E-11	3.72073E-03	4.51364E-09
24	5.12298E-03	1.67690E-03	4.47004E-11	1.74571E-03	2.86501E-04	4.47004E-11	1.67690E-03	3.16225E-09
25	3.11258E-03	2.12108E-03	2.73844E-11	2.01786E-03	1.77211E-03	2.73844E-11	2.12108E-03	2.04854E-09
26	1.68151E-03	4.39055E-04	1.65796E-11	6.24341E-04	2.68168E-05	1.65796E-11	4.39055E-04	1.45115E-09
27	1.03085E-03	3.09476E-04	1.11895E-11	4.44141E-04	5.52533E-06	1.11895E-11	3.09476E-04	1.22724E-09
28	7.50752E-04	2.09975E-04	7.63494E-12	3.90614E-04	5.71757E-06	7.63494E-12	2.09975E-04	1.33321E-09
29	6.35112E-04	1.51048E-04	5.66769E-12	2.99927E-04	9.18129E-06	5.66769E-12	1.51048E-04	1.91858E-09
30	5.72815E-04	1.28577E-04	5.02484E-12	1.53860E-04	5.04146E-05	5.02484E-12	1.28577E-04	2.44787E-09
31	5.53732E-04	1.12451E-04	4.79399E-12	1.66420E-04	2.05804E-05	4.79399E-12	1.12451E-04	2.77836E-09
32	5.25197E-04	1.63327E-04	4.43084E-12	2.36335E-04	8.04369E-05	4.43084E-12	1.63327E-04	3.44535E-09
33	4.80293E-04	2.59249E-04	3.92379E-12	3.52404E-04	2.06795E-04	3.92379E-12	2.59249E-04	5.40706E-09
34	3.90247E-04	1.33809E-04	3.16534E-12	1.68219E-04	1.08136E-04	3.16534E-12	1.33809E-04	2.32864E-07
35	2.82320E-04	1.23878E-04	2.08745E-12	1.39756E-04	1.16734E-04	2.08745E-12	1.23878E-04	2.83375E-06
36	2.32399E-04	8.19137E-05	7.46082E-13	1.19483E-04	6.02249E-05	7.46082E-13	8.19137E-05	3.49286E-06

37	2.05865E-04	7.49088E-05	5.76289E-13	1.06500E-04	5.73715E-05	5.76289E-13	7.49088E-05	9.22918E-08
38	2.01060E-04	7.08582E-05	4.85940E-13	9.53304E-05	5.51614E-05	4.85940E-13	7.08582E-05	2.16932E-06
39	2.02206E-04	5.74841E-05	4.23571E-13	8.27935E-05	3.75891E-05	4.23571E-13	5.74841E-05	8.67162E-07
40	2.12225E-04	5.74635E-05	3.76025E-13	7.71854E-05	4.31786E-05	3.76025E-13	5.74635E-05	3.34011E-06
41	2.37829E-04	6.78344E-05	3.41598E-13	8.27004E-05	5.85790E-05	3.41598E-13	6.78344E-05	6.21470E-06
42	2.70696E-04	7.71296E-05	3.15768E-13	9.09029E-05	6.73101E-05	3.15768E-13	7.71296E-05	3.55687E-06
43	3.28385E-04	8.55338E-03	2.95215E-13	3.91322E-03	1.26966E-02	2.95215E-13	8.55338E-03	2.49017E-06
44	6.68907E-04	2.36974E-02	2.58048E-13	1.14002E-02	3.51169E-02	2.58048E-13	2.36974E-02	6.34436E-07
45	1.98613E-03	4.16283E-02	2.28787E-13	1.96930E-02	6.15437E-02	2.28787E-13	4.16283E-02	7.86826E-07
46	2.98065E-03	4.09359E-02	2.09581E-13	1.94298E-02	6.02546E-02	2.09581E-13	4.09359E-02	9.12856E-07
47	3.60326E-03	5.36898E-02	1.93437E-13	2.53725E-02	7.90200E-02	1.93437E-13	5.36898E-02	1.06017E-06
48	3.77462E-03	5.27394E-02	1.84240E-13	2.50549E-02	7.74345E-02	1.84240E-13	5.27394E-02	1.18534E-06
49	3.81456E-03	5.11735E-02	1.81648E-13	2.43899E-02	7.50732E-02	1.81648E-13	5.11735E-02	1.22344E-06
50	3.84925E-03	5.41220E-02	1.79480E-13	2.58087E-02	7.93521E-02	1.79480E-13	5.41220E-02	1.25640E-06
51	3.95203E-03	5.43044E-02	1.73170E-13	2.65698E-02	7.85613E-02	1.73170E-13	5.43044E-02	1.33162E-06
52	4.09397E-03	5.70699E-02	1.64877E-13	2.85667E-02	8.14615E-02	1.64877E-13	5.70699E-02	1.06412E-06
53	4.10209E-03	6.72162E-02	1.53899E-13	3.40969E-02	9.52764E-02	1.53899E-13	6.72162E-02	3.20672E-04
54	3.95965E-03	7.43799E-02	1.34794E-13	4.09761E-02	1.03179E-01	1.34794E-13	7.43799E-02	4.71852E-03
55	3.92360E-03	8.06358E-02	1.29731E-09	4.63864E-02	1.09917E-01	1.29731E-09	8.06358E-02	5.91217E-03
56	4.37234E-03	8.08427E-02	6.10984E-09	4.87730E-02	1.07929E-01	6.10984E-09	8.08427E-02	6.57630E-03
57	4.35456E-03	8.07313E-02	3.07772E-08	4.97106E-02	1.06544E-01	3.07772E-08	8.07313E-02	6.75445E-03
58	4.96677E-03	8.08159E-02	9.26731E-08	5.08221E-02	1.05451E-01	9.26731E-08	8.08159E-02	7.09130E-03
59	5.38419E-03	8.03891E-02	9.40553E-08	5.02513E-02	1.04363E-01	9.40553E-08	8.03891E-02	1.08596E-02
60	5.12334E-03	6.56777E-02	7.68824E-08	4.11464E-02	8.38563E-02	7.68824E-08	6.56777E-02	9.80159E-03
61	5.03855E-03	4.86136E-02	6.46043E-08	3.05501E-02	6.24036E-02	6.46043E-08	4.86136E-02	1.09962E-02
62	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 63 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.09773E-02	8.98405E-01	5.02359E-01	8.24705E-05
4	8.74686E-03	1.08821E-01	6.44971E-02	1.02388E-05
5	1.02911E-02	8.70065E-02	7.17110E-02	1.19460E-05
6	5.36095E-03	4.56213E-02	3.73941E-02	6.22537E-06
7	3.52278E-03	2.99825E-02	2.45718E-02	4.09036E-06
8	2.30952E-03	1.96603E-02	1.61121E-02	2.68218E-06
9	1.80656E-03	1.53805E-02	1.26048E-02	2.09826E-06
10	1.49964E-03	1.27682E-02	1.04638E-02	1.74184E-06
11	1.30387E-03	1.11021E-02	9.09799E-03	1.51451E-06
12	1.10065E-03	9.37204E-03	7.68055E-03	1.27854E-06
13	9.47541E-04	8.06687E-03	6.61059E-03	1.10043E-06
14	7.85763E-04	6.69045E-03	5.48244E-03	9.12623E-07
15	5.16478E-06	2.70409E-07	9.08383E-03	3.97972E-09
16	2.23938E-06	1.17346E-07	3.93463E-03	1.72592E-09
17	1.31615E-06	6.88939E-08	2.31333E-03	1.01428E-09
18	9.05263E-07	4.75118E-08	1.59082E-03	6.97183E-10
19	5.87968E-07	3.09488E-08	1.03380E-03	4.53074E-10
20	3.78106E-07	1.99371E-08	6.69294E-04	2.91105E-10
21	2.31445E-07	1.22661E-08	8.39158E-04	1.78255E-10
22	1.31495E-07	6.96428E-09	1.03075E-02	1.01124E-10
23	8.44721E-08	4.51364E-09	3.72073E-03	6.49905E-11
24	5.83804E-08	3.16225E-09	1.67690E-03	4.47004E-11
25	3.58486E-08	2.04854E-09	2.12108E-03	2.73844E-11
26	2.20736E-08	1.45115E-09	4.39055E-04	1.65796E-11
27	1.50550E-08	1.22724E-09	3.09476E-04	1.11895E-11
28	1.70662E-08	1.33321E-09	2.09975E-04	7.63494E-12
29	6.25705E-07	1.91858E-09	1.51048E-04	5.66769E-12
30	4.07315E-08	2.44787E-09	1.28577E-04	5.02484E-12
31	1.93588E-08	2.77836E-09	1.12451E-04	4.79399E-12
32	7.77181E-09	3.44535E-09	1.63327E-04	4.43084E-12

33	5.22361E-09	5.40706E-09	2.59249E-04	3.92379E-12
34	4.27787E-09	2.32864E-07	1.33809E-04	3.16534E-12
35	3.32573E-09	2.83375E-06	1.23878E-04	2.08745E-12
36	2.67263E-09	3.49286E-06	8.19137E-05	7.46082E-13
37	2.38384E-09	9.22918E-08	7.49088E-05	5.76289E-13
38	3.25832E-09	2.16932E-06	7.08582E-05	4.85940E-13
39	1.15781E-08	8.67162E-07	5.74841E-05	4.23571E-13
40	2.32340E-09	3.34011E-06	5.74635E-05	3.76025E-13
41	1.45019E-09	6.21470E-06	6.78344E-05	3.41598E-13
42	1.22808E-09	3.55687E-06	7.71296E-05	3.15768E-13
43	1.24320E-09	2.49017E-06	8.55338E-03	2.95215E-13
44	1.98761E-09	6.34436E-07	2.36974E-02	2.58048E-13
45	1.31141E-09	7.86826E-07	4.16283E-02	2.28787E-13
46	3.25757E-09	9.12856E-07	4.09359E-02	2.09581E-13
47	9.71770E-10	1.06017E-06	5.36898E-02	1.93437E-13
48	1.48123E-09	1.18534E-06	5.27394E-02	1.84240E-13
49	2.06057E-09	1.22344E-06	5.11735E-02	1.81648E-13
50	2.77547E-09	1.25640E-06	5.41220E-02	1.79480E-13
51	4.11494E-09	1.33162E-06	5.43044E-02	1.73170E-13
52	8.56950E-10	1.06412E-06	5.70699E-02	1.64877E-13
53	7.61484E-10	3.20672E-04	6.72162E-02	1.53899E-13
54	9.22355E-10	4.71852E-03	7.43799E-02	1.34794E-13
55	1.12695E-09	5.91217E-03	8.06358E-02	1.29731E-09
56	9.54173E-10	6.57630E-03	8.08427E-02	6.10984E-09
57	2.14925E-07	6.75445E-03	8.07313E-02	3.07772E-08
58	7.63636E-07	7.09130E-03	8.08159E-02	9.26731E-08
59	2.33855E-05	1.08596E-02	8.03891E-02	9.40553E-08
60	4.19585E-05	9.80159E-03	6.56777E-02	7.68824E-08
61	4.10879E-05	1.09962E-02	4.86136E-02	6.46043E-08
62	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 63 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 59

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.01987E-01	5.50730E-01	8.98122E-05	5.71711E-01	5.45388E-01	8.98122E-05	5.50730E-01	1.08339E+00
4	1.88037E-02	5.10060E-02	7.74389E-06	5.31236E-02	5.04492E-02	7.74389E-06	5.10060E-02	1.06211E-01
5	1.45674E-02	6.54713E-02	1.09089E-05	6.78569E-02	6.49120E-02	1.09089E-05	6.54713E-02	7.86133E-02
6	7.86749E-03	3.49862E-02	5.82600E-06	3.62653E-02	3.46853E-02	5.82600E-06	3.49862E-02	4.26389E-02
7	4.50576E-03	2.00268E-02	3.33396E-06	2.07589E-02	1.98546E-02	3.33396E-06	2.00268E-02	2.44339E-02
8	3.12694E-03	1.38960E-02	2.31326E-06	1.44042E-02	1.37764E-02	2.31326E-06	1.38960E-02	1.69562E-02
9	2.12730E-03	9.45382E-03	1.57373E-06	9.79937E-03	9.37264E-03	1.57373E-06	9.45382E-03	1.15353E-02
10	1.68318E-03	7.47965E-03	1.24513E-06	7.75316E-03	7.41533E-03	1.24513E-06	7.47965E-03	9.12691E-03
11	1.40434E-03	6.24032E-03	1.03878E-06	6.46850E-03	6.18662E-03	1.03878E-06	6.24032E-03	7.61455E-03
12	1.22382E-03	5.43809E-03	9.05247E-07	5.63694E-03	5.39129E-03	9.05247E-07	5.43809E-03	6.63601E-03
13	1.03491E-03	4.59860E-03	7.65500E-07	4.76676E-03	4.55902E-03	7.65500E-07	4.59860E-03	5.61161E-03
14	8.91484E-04	3.96133E-03	6.59421E-07	4.10618E-03	3.92723E-03	6.59421E-07	3.96133E-03	4.83399E-03
15	7.39804E-04	3.28706E-03	5.47183E-07	3.40728E-03	3.25882E-03	5.47183E-07	3.28706E-03	4.01117E-03
16	2.91774E-02	2.37815E-03	.00000E+00	1.89355E-03	1.19608E-03	.00000E+00	2.37815E-03	1.32130E-07
17	4.94546E-02	1.03049E-03	.00000E+00	8.20238E-04	5.18226E-04	.00000E+00	1.03049E-03	5.73368E-08
18	9.51232E-03	6.04259E-04	.00000E+00	4.81024E-04	3.02790E-04	.00000E+00	6.04259E-04	3.36617E-08
19	4.44761E-02	4.16070E-04	.00000E+00	3.30775E-04	2.08445E-04	.00000E+00	4.16070E-04	2.32152E-08
20	4.65988E-03	2.71181E-04	.00000E+00	2.15000E-04	1.35646E-04	.00000E+00	2.71181E-04	1.51222E-08
21	8.13821E-02	1.77182E-04	.00000E+00	1.40247E-04	8.75626E-05	.00000E+00	1.77182E-04	9.74155E-09
22	4.27431E-02	2.49481E-04	.00000E+00	2.57465E-04	5.45334E-05	.00000E+00	2.49481E-04	5.99366E-09
23	8.33825E-03	3.31871E-03	.00000E+00	4.06871E-03	3.33655E-05	.00000E+00	3.31871E-03	3.40312E-09
24	1.00490E-02	1.21481E-03	.00000E+00	1.46368E-03	3.05413E-05	.00000E+00	1.21481E-03	2.20545E-09
25	2.77071E-03	1.24637E-03	.00000E+00	8.99861E-04	4.01146E-04	.00000E+00	1.24637E-03	1.54515E-09
26	1.68234E-03	4.42767E-04	.00000E+00	5.86763E-04	1.46528E-04	.00000E+00	4.42767E-04	1.00104E-09
27	9.08624E-04	1.97118E-04	.00000E+00	2.49782E-04	2.56027E-05	.00000E+00	1.97118E-04	7.09922E-10

28	5.58983E-04	1.06395E-04	.00000E+00	1.48918E-04	5.40615E-06	.00000E+00	1.06395E-04	6.01906E-10
29	4.09199E-04	7.18812E-05	.00000E+00	9.97086E-05	4.68492E-06	.00000E+00	7.18812E-05	6.49448E-10
30	3.46737E-04	5.58326E-05	.00000E+00	7.53175E-05	3.41570E-06	.00000E+00	5.58326E-05	8.91279E-10
31	3.13144E-04	5.59866E-05	.00000E+00	7.33311E-05	6.55341E-06	.00000E+00	5.59866E-05	1.10800E-09
32	3.03349E-04	4.80546E-05	.00000E+00	6.33094E-05	3.74616E-06	.00000E+00	4.80546E-05	1.24449E-09
33	2.88554E-04	4.86472E-05	.00000E+00	5.96816E-05	7.99787E-06	.00000E+00	4.86472E-05	1.51625E-09
34	2.64865E-04	4.37685E-05	.00000E+00	5.18344E-05	1.35801E-05	.00000E+00	4.37685E-05	2.31109E-09
35	2.17582E-04	2.60121E-05	.00000E+00	3.15411E-05	7.55092E-06	.00000E+00	2.60121E-05	9.59374E-08
36	1.61468E-04	2.11942E-05	.00000E+00	2.46326E-05	8.96220E-06	.00000E+00	2.11942E-05	1.10081E-06
37	1.35383E-04	1.55426E-05	.00000E+00	1.98673E-05	4.78099E-06	.00000E+00	1.55426E-05	1.31051E-06
38	1.21345E-04	1.37281E-05	.00000E+00	1.74459E-05	4.76020E-06	.00000E+00	1.37281E-05	3.41434E-08
39	1.18906E-04	1.35874E-05	.00000E+00	1.68501E-05	4.61249E-06	.00000E+00	1.35874E-05	7.94480E-07
40	1.20087E-04	1.28698E-05	.00000E+00	1.62469E-05	3.46019E-06	.00000E+00	1.28698E-05	3.14140E-07
41	1.26982E-04	1.17440E-05	.00000E+00	1.44167E-05	3.95039E-06	.00000E+00	1.17440E-05	1.19081E-06
42	1.46720E-04	1.35438E-05	.00000E+00	1.59778E-05	5.23688E-06	.00000E+00	1.35438E-05	2.19017E-06
43	1.76384E-04	1.81505E-05	.00000E+00	2.13471E-05	5.96521E-06	.00000E+00	1.81505E-05	1.23166E-06
44	2.25539E-04	2.20257E-05	.00000E+00	2.74318E-05	3.58554E-06	.00000E+00	2.20257E-05	8.53206E-07
45	5.10849E-04	4.34100E-05	.00000E+00	5.37877E-05	3.45173E-06	.00000E+00	4.34100E-05	2.96153E-07
46	1.44814E-03	1.13182E-04	.00000E+00	1.74720E-04	2.99927E-06	.00000E+00	1.13182E-04	5.53177E-07
47	2.08190E-03	1.98873E-04	.00000E+00	3.27305E-04	2.90959E-06	.00000E+00	1.98873E-04	8.47598E-07
48	2.44607E-03	2.77744E-04	.00000E+00	4.58008E-04	2.94695E-06	.00000E+00	2.77744E-04	1.26514E-06
49	2.51384E-03	3.02844E-04	.00000E+00	5.36545E-04	3.45418E-06	.00000E+00	3.02844E-04	1.63386E-06
50	2.52642E-03	3.14069E-04	.00000E+00	5.65260E-04	5.32694E-06	.00000E+00	3.14069E-04	1.75973E-06
51	2.53690E-03	3.26296E-04	.00000E+00	5.92032E-04	7.96434E-06	.00000E+00	3.26296E-04	1.87583E-06
52	2.56682E-03	3.56886E-04	.00000E+00	6.58598E-04	1.29103E-05	.00000E+00	3.56886E-04	2.21987E-06
53	2.60493E-03	3.90187E-04	.00000E+00	7.37430E-04	1.51873E-05	.00000E+00	3.90187E-04	2.05774E-06
54	2.57622E-03	4.92304E-04	.00000E+00	9.26325E-04	2.23419E-05	.00000E+00	4.92304E-04	1.93132E-06
55	2.50680E-03	1.74436E-03	.00000E+00	2.66004E-03	1.24750E-04	.00000E+00	1.74436E-03	5.08902E-03
56	2.59606E-03	2.16592E-03	.00000E+00	3.33997E-03	2.80512E-04	.00000E+00	2.16592E-03	9.42252E-03
57	2.83870E-03	4.90088E-03	2.52181E-07	4.71783E-03	4.29793E-03	2.52181E-07	4.90088E-03	9.33542E-03
58	2.68980E-03	4.24345E-03	1.46863E-06	4.59954E-03	3.03538E-03	1.46863E-06	4.24345E-03	1.07811E-02
59	3.10423E-03	4.08143E-03	1.08752E-06	4.90276E-03	2.23026E-03	1.08752E-06	4.08143E-03	9.08237E-03
60	3.31254E-03	3.94796E-03	8.05472E-07	5.30237E-03	1.34813E-03	8.05472E-07	3.94796E-03	5.46908E-03
61	3.06205E-03	3.71335E-03	7.29385E-07	5.24013E-03	7.41286E-04	7.29385E-07	3.71335E-03	1.86329E-03
62	3.07672E-03	3.66021E-03	7.57249E-07	4.69843E-03	1.56452E-03	7.57249E-07	3.66021E-03	2.79515E-03
63	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

	POS. 64 THRU POS. 70 SAME AS ABOVE			
0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	7.72897E-02	1.08339E+00	5.50730E-01	8.98122E-05
4	6.60476E-03	1.06211E-01	5.10060E-02	7.74389E-06
5	9.39867E-03	7.86133E-02	6.54713E-02	1.09089E-05
6	5.01897E-03	4.26389E-02	3.49862E-02	5.82600E-06
7	2.87118E-03	2.44339E-02	2.00268E-02	3.33396E-06
8	1.99226E-03	1.69562E-02	1.38960E-02	2.31326E-06
9	1.35506E-03	1.15353E-02	9.45382E-03	1.57373E-06
10	1.07203E-03	9.12691E-03	7.47965E-03	1.24513E-06
11	8.94339E-04	7.61455E-03	6.24032E-03	1.03878E-06
12	7.79326E-04	6.63601E-03	5.43809E-03	9.05247E-07
13	6.58993E-04	5.61161E-03	4.59860E-03	7.65500E-07
14	5.67795E-04	4.83399E-03	3.96133E-03	6.59421E-07
15	4.71127E-04	4.01117E-03	3.28706E-03	5.47183E-07
16	.00000E+00	1.32130E-07	2.37815E-03	.00000E+00
17	.00000E+00	5.73368E-08	1.03049E-03	.00000E+00
18	.00000E+00	3.36617E-08	6.04259E-04	.00000E+00
19	.00000E+00	2.32152E-08	4.16070E-04	.00000E+00
20	.00000E+00	1.51222E-08	2.71181E-04	.00000E+00
21	.00000E+00	9.74155E-09	1.77182E-04	.00000E+00
22	.00000E+00	5.99366E-09	2.49481E-04	.00000E+00

23	.00000E+00	3.40312E-09	3.31871E-03	.00000E+00
24	.00000E+00	2.20545E-09	1.21481E-03	.00000E+00
25	.00000E+00	1.54515E-09	1.24637E-03	.00000E+00
26	.00000E+00	1.00104E-09	4.42767E-04	.00000E+00
27	.00000E+00	7.09922E-10	1.97118E-04	.00000E+00
28	.00000E+00	6.01906E-10	1.06395E-04	.00000E+00
29	.00000E+00	6.49448E-10	7.18812E-05	.00000E+00
30	.00000E+00	8.91279E-10	5.58326E-05	.00000E+00
31	.00000E+00	1.10800E-09	5.59866E-05	.00000E+00
32	.00000E+00	1.24449E-09	4.80546E-05	.00000E+00
33	.00000E+00	1.51625E-09	4.86472E-05	.00000E+00
34	.00000E+00	2.31109E-09	4.37685E-05	.00000E+00
35	2.26515E-11	9.59374E-08	2.60121E-05	.00000E+00
36	6.62435E-11	1.10081E-06	2.11942E-05	.00000E+00
37	4.56929E-11	1.31051E-06	1.55426E-05	.00000E+00
38	.00000E+00	3.41434E-08	1.37281E-05	.00000E+00
39	.00000E+00	7.94480E-07	1.35874E-05	.00000E+00
40	.00000E+00	3.14140E-07	1.28698E-05	.00000E+00
41	.00000E+00	1.19081E-06	1.17440E-05	.00000E+00
42	.00000E+00	2.19017E-06	1.35438E-05	.00000E+00
43	2.84005E-09	1.23166E-06	1.81505E-05	.00000E+00
44	5.11210E-08	8.53206E-07	2.20257E-05	.00000E+00
45	5.26551E-07	2.96153E-07	4.34100E-05	.00000E+00
46	2.43703E-06	5.53177E-07	1.13182E-04	.00000E+00
47	1.31692E-05	8.47598E-07	1.98873E-04	.00000E+00
48	2.98322E-05	1.26514E-06	2.77744E-04	.00000E+00
49	1.85859E-05	1.63386E-06	3.02844E-04	.00000E+00
50	1.74283E-05	1.75973E-06	3.14069E-04	.00000E+00
51	1.75476E-05	1.87583E-06	3.26296E-04	.00000E+00
52	1.88939E-05	2.21987E-06	3.56886E-04	.00000E+00
53	2.23688E-05	2.05774E-06	3.90187E-04	.00000E+00
54	2.95447E-05	1.93132E-06	4.92304E-04	.00000E+00
55	5.04967E-05	5.08902E-03	1.74436E-03	.00000E+00
56	6.34802E-05	9.42252E-03	2.16592E-03	.00000E+00
57	5.62843E-05	9.33542E-03	4.90088E-03	2.52181E-07
58	4.14597E-05	1.07811E-02	4.24345E-03	1.46863E-06
59	3.45750E-05	9.08237E-03	4.08143E-03	1.08752E-06
60	2.92721E-05	5.46908E-03	3.94796E-03	8.05472E-07
61	2.57372E-05	1.86329E-03	3.71335E-03	7.29385E-07
62	3.22864E-05	2.79515E-03	3.66021E-03	7.57249E-07
63	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 64 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 60

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	2.39508E-01	5.87802E-01	9.55945E-05	6.10476E-01	5.81875E-01	9.55945E-05	5.87802E-01	1.28877E+00
4	2.48578E-02	6.66337E-02	1.01015E-05	6.94063E-02	6.59027E-02	1.01015E-05	6.66337E-02	1.40440E-01
5	2.05448E-02	9.29839E-02	1.54758E-05	9.63653E-02	9.21972E-02	1.54758E-05	9.29839E-02	1.10622E-01
6	1.38461E-02	6.17539E-02	1.02761E-05	6.40099E-02	6.12232E-02	1.02761E-05	6.17539E-02	7.48622E-02
7	7.94188E-03	3.52971E-02	5.87764E-06	3.65875E-02	3.49937E-02	5.87764E-06	3.52971E-02	4.30447E-02
8	4.88819E-03	2.17265E-02	3.61689E-06	2.25205E-02	2.15399E-02	3.61689E-06	2.17265E-02	2.65078E-02
9	3.51430E-03	1.56173E-02	2.59981E-06	1.61885E-02	1.54829E-02	2.59981E-06	1.56173E-02	1.90568E-02
10	2.44124E-03	1.08487E-02	1.80596E-06	1.12454E-02	1.07555E-02	1.80596E-06	1.08487E-02	1.32377E-02
11	1.94238E-03	8.63160E-03	1.43689E-06	8.94707E-03	8.55745E-03	1.43689E-06	8.63160E-03	1.05324E-02
12	1.62407E-03	7.21688E-03	1.20135E-06	7.48076E-03	7.15481E-03	1.20135E-06	7.21688E-03	8.80622E-03
13	1.41650E-03	6.29426E-03	1.04774E-06	6.52441E-03	6.24011E-03	1.04774E-06	6.29426E-03	7.68054E-03
14	1.19839E-03	5.32511E-03	8.86436E-07	5.51984E-03	5.27927E-03	8.86436E-07	5.32511E-03	6.49810E-03
15	1.03245E-03	4.58755E-03	7.63656E-07	4.75530E-03	4.54805E-03	7.63656E-07	4.58755E-03	5.59808E-03
16	8.56669E-04	3.80631E-03	6.33611E-07	3.94549E-03	3.77361E-03	6.33611E-07	3.80631E-03	4.64494E-03

17	3.66112E-02	7.26220E-03	.00000E+00	3.80280E-03	1.02885E-02	.00000E+00	7.26220E-03	9.11272E-08
18	6.12421E-02	3.14546E-03	.00000E+00	1.64698E-03	4.45613E-03	.00000E+00	3.14546E-03	3.95442E-08
19	1.16324E-02	1.82245E-03	.00000E+00	9.55875E-04	2.58002E-03	.00000E+00	1.82245E-03	2.32168E-08
20	3.98852E-02	1.25293E-03	.00000E+00	6.56960E-04	1.77367E-03	.00000E+00	1.25293E-03	1.60113E-08
21	6.40407E-03	8.12982E-04	.00000E+00	4.26018E-04	1.15058E-03	.00000E+00	8.12982E-04	1.04298E-08
22	1.64624E-01	5.21505E-04	.00000E+00	2.73388E-04	7.36655E-04	.00000E+00	5.21505E-04	6.71882E-09
23	8.51013E-02	3.79155E-04	.00000E+00	2.42477E-04	4.47031E-04	.00000E+00	3.79155E-04	4.13357E-09
24	1.50712E-02	1.63685E-03	.00000E+00	1.89796E-03	2.45938E-04	.00000E+00	1.63685E-03	2.34698E-09
25	1.97683E-02	6.25311E-04	.00000E+00	6.94819E-04	1.49580E-04	.00000E+00	6.25311E-04	1.52106E-09
26	5.08969E-03	3.08300E-04	.00000E+00	2.72504E-04	1.29745E-04	.00000E+00	3.08300E-04	1.06567E-09
27	3.12794E-03	2.19001E-04	.00000E+00	3.58075E-04	1.26418E-04	.00000E+00	2.19001E-04	6.90490E-10
28	1.68715E-03	8.64899E-05	.00000E+00	1.42469E-04	1.55219E-05	.00000E+00	8.64899E-05	4.90558E-10
29	1.02819E-03	4.53660E-05	.00000E+00	8.01480E-05	2.37385E-06	.00000E+00	4.53660E-05	4.17580E-10
30	7.49074E-04	4.66270E-05	.00000E+00	7.94056E-05	1.27746E-06	.00000E+00	4.66270E-05	4.54465E-10
31	6.35438E-04	5.20593E-05	.00000E+00	7.72012E-05	4.61487E-06	.00000E+00	5.20593E-05	6.30774E-10
32	5.72789E-04	1.03766E-04	.00000E+00	9.27533E-05	8.54113E-05	.00000E+00	1.03766E-04	7.88674E-10
33	5.53455E-04	5.51657E-05	.00000E+00	6.58386E-05	2.15929E-05	.00000E+00	5.51657E-05	8.87914E-10
34	5.24334E-04	9.88846E-05	.00000E+00	8.42195E-05	8.81091E-05	.00000E+00	9.88846E-05	1.08613E-09
35	4.79012E-04	7.05608E-05	.00000E+00	6.88049E-05	5.63165E-05	.00000E+00	7.05608E-05	1.66672E-09
36	3.86330E-04	4.25148E-05	.00000E+00	3.98245E-05	3.49768E-05	.00000E+00	4.25148E-05	6.97946E-08
37	2.74417E-04	5.99042E-05	.00000E+00	4.16887E-05	6.93441E-05	.00000E+00	5.99042E-05	8.12494E-07
38	2.22855E-04	3.49358E-05	.00000E+00	2.80882E-05	3.57232E-05	.00000E+00	3.49358E-05	9.59407E-07
39	1.96537E-04	3.74495E-05	.00000E+00	2.77525E-05	4.14046E-05	.00000E+00	3.74495E-05	2.42138E-08
40	1.91727E-04	3.72149E-05	.00000E+00	2.71869E-05	4.09102E-05	.00000E+00	3.72149E-05	5.50109E-07
41	1.92985E-04	2.99894E-05	.00000E+00	2.36766E-05	2.99737E-05	.00000E+00	2.99894E-05	2.11802E-07
42	2.02436E-04	3.20109E-05	.00000E+00	2.33356E-05	3.49402E-05	.00000E+00	3.20109E-05	7.70660E-07
43	2.43099E-04	4.30571E-05	.00000E+00	5.34148E-05	4.74506E-05	.00000E+00	4.30571E-05	1.37402E-06
44	3.11742E-04	5.56286E-05	.00000E+00	2.01356E-04	5.45472E-05	.00000E+00	5.56286E-05	7.35062E-07
45	4.17724E-04	5.22327E-05	.00000E+00	2.88470E-04	3.20727E-05	.00000E+00	5.22327E-05	4.93230E-07
46	8.40712E-04	9.36313E-05	.00000E+00	4.44057E-04	2.34935E-05	.00000E+00	9.36313E-05	1.15868E-07
47	2.00909E-03	1.97287E-04	.00000E+00	6.50214E-04	2.04305E-05	.00000E+00	1.97287E-04	1.41209E-07
48	2.72996E-03	3.13303E-04	.00000E+00	8.29675E-04	1.98370E-05	.00000E+00	3.13303E-04	1.61077E-07
49	3.09996E-03	4.09727E-04	.00000E+00	9.45407E-04	2.00300E-05	.00000E+00	4.09727E-04	1.83310E-07
50	3.13127E-03	4.26600E-04	.00000E+00	9.62015E-04	2.09069E-05	.00000E+00	4.26600E-04	2.02020E-07
51	3.13125E-03	4.31116E-04	.00000E+00	9.66146E-04	2.11991E-05	.00000E+00	4.31116E-04	2.07533E-07
52	3.13054E-03	4.35173E-04	.00000E+00	9.70191E-04	2.14579E-05	.00000E+00	4.35173E-04	2.12205E-07
53	3.12593E-03	4.46363E-04	.00000E+00	9.86439E-04	2.16427E-05	.00000E+00	4.46363E-04	2.21812E-07
54	3.11329E-03	4.62468E-04	.00000E+00	1.04830E-03	2.14107E-05	.00000E+00	4.62468E-04	1.73459E-07
55	3.04229E-03	5.39490E-04	.00000E+00	1.21496E-03	2.65564E-05	.00000E+00	5.39490E-04	1.27653E-07
56	2.97757E-03	1.18907E-03	.00000E+00	2.17067E-03	1.73876E-05	.00000E+00	1.18907E-03	7.34006E-05
57	3.18934E-03	1.35124E-03	.00000E+00	2.43868E-03	4.09359E-05	.00000E+00	1.35124E-03	3.43744E-03
58	3.46260E-03	1.30879E-03	1.87015E-09	2.36161E-03	1.10726E-04	1.87015E-09	1.30879E-03	8.05929E-03
59	3.17624E-03	1.34469E-03	4.27296E-08	2.35143E-03	2.55001E-04	4.27296E-08	1.34469E-03	3.43942E-03
60	3.65890E-03	2.03340E-03	1.43269E-07	3.12943E-03	3.98072E-04	1.43269E-07	2.03340E-03	9.97414E-03
61	3.85131E-03	2.47257E-03	2.49183E-07	3.50897E-03	5.60658E-04	2.49183E-07	2.47257E-03	8.11141E-03
62	3.50673E-03	2.36031E-03	2.26617E-07	3.18056E-03	7.57496E-04	2.26617E-07	2.36031E-03	4.60502E-03
63	3.58605E-03	2.10181E-03	1.64664E-07	3.03080E-03	6.85519E-04	1.64664E-07	2.10181E-03	1.02872E-02
64	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

	POS. 65	THRU POS.	70 SAME AS ABOVE	
0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	8.22577E-02	1.28877E+00	5.87802E-01	9.55945E-05
4	8.61567E-03	1.40440E-01	6.66337E-02	1.01015E-05
5	1.33294E-02	1.10622E-01	9.29839E-02	1.54758E-05
6	8.85338E-03	7.48622E-02	6.17539E-02	1.02761E-05
7	5.06351E-03	4.30447E-02	3.52971E-02	5.87764E-06
8	3.11484E-03	2.65078E-02	2.17265E-02	3.61689E-06
9	2.23907E-03	1.90568E-02	1.56173E-02	2.59981E-06
10	1.55505E-03	1.32377E-02	1.08487E-02	1.80596E-06

11	1.23713E-03	1.05324E-02	8.63160E-03	1.43689E-06
12	1.03430E-03	8.80622E-03	7.21688E-03	1.20135E-06
13	9.02031E-04	7.68054E-03	6.29426E-03	1.04774E-06
14	7.63118E-04	6.49810E-03	5.32511E-03	8.86436E-07
15	6.57557E-04	5.59808E-03	4.58755E-03	7.63656E-07
16	5.45551E-04	4.64494E-03	3.80631E-03	6.33611E-07
17	1.04466E-07	9.11272E-08	7.26220E-03	.00000E+00
18	4.52412E-08	3.95442E-08	3.14546E-03	.00000E+00
19	2.65698E-08	2.32168E-08	1.82245E-03	.00000E+00
20	1.82803E-08	1.60113E-08	1.25293E-03	.00000E+00
21	1.18716E-08	1.04298E-08	8.12982E-04	.00000E+00
22	7.63536E-09	6.71882E-09	5.21505E-04	.00000E+00
23	4.67412E-09	4.13357E-09	3.79155E-04	.00000E+00
24	2.65570E-09	2.34698E-09	1.63685E-03	.00000E+00
25	1.70595E-09	1.52106E-09	6.25311E-04	.00000E+00
26	1.18024E-09	1.06567E-09	3.08300E-04	.00000E+00
27	7.24630E-10	6.90490E-10	2.19001E-04	.00000E+00
28	4.49024E-10	4.90558E-10	8.64899E-05	.00000E+00
29	3.06842E-10	4.17580E-10	4.53660E-05	.00000E+00
30	3.88981E-10	4.54465E-10	4.66270E-05	.00000E+00
31	1.65372E-08	6.30774E-10	5.20593E-05	.00000E+00
32	1.03716E-09	7.88674E-10	1.03766E-04	.00000E+00
33	4.72355E-10	8.87914E-10	5.51657E-05	.00000E+00
34	1.68242E-10	1.08613E-09	9.88846E-05	.00000E+00
35	1.04718E-10	1.66672E-09	7.05608E-05	.00000E+00
36	6.26106E-11	6.97946E-08	4.25148E-05	.00000E+00
37	.00000E+00	8.12494E-07	5.99042E-05	.00000E+00
38	.00000E+00	9.59407E-07	3.49358E-05	.00000E+00
39	.00000E+00	2.42138E-08	3.74495E-05	.00000E+00
40	.00000E+00	5.50109E-07	3.72149E-05	.00000E+00
41	.00000E+00	2.11802E-07	2.99894E-05	.00000E+00
42	.00000E+00	7.70660E-07	3.20109E-05	.00000E+00
43	.00000E+00	1.37402E-06	4.30571E-05	.00000E+00
44	.00000E+00	7.35062E-07	5.56286E-05	.00000E+00
45	.00000E+00	4.93230E-07	5.22327E-05	.00000E+00
46	.00000E+00	1.15868E-07	9.36313E-05	.00000E+00
47	.00000E+00	1.41209E-07	1.97287E-04	.00000E+00
48	.00000E+00	1.61077E-07	3.13303E-04	.00000E+00
49	.00000E+00	1.83310E-07	4.09727E-04	.00000E+00
50	.00000E+00	2.02020E-07	4.26600E-04	.00000E+00
51	.00000E+00	2.07533E-07	4.31116E-04	.00000E+00
52	.00000E+00	2.12205E-07	4.35173E-04	.00000E+00
53	.00000E+00	2.21812E-07	4.46363E-04	.00000E+00
54	.00000E+00	1.73459E-07	4.62468E-04	.00000E+00
55	.00000E+00	1.27653E-07	5.39490E-04	.00000E+00
56	.00000E+00	7.34006E-05	1.18907E-03	.00000E+00
57	.00000E+00	3.43744E-03	1.35124E-03	.00000E+00
58	.00000E+00	8.05929E-03	1.30879E-03	1.87015E-09
59	.00000E+00	3.43942E-03	1.34469E-03	4.27296E-08
60	.00000E+00	9.97414E-03	2.03340E-03	1.43269E-07
61	1.34147E-12	8.11141E-03	2.47257E-03	2.49183E-07
62	7.73721E-07	4.60502E-03	2.36031E-03	2.26617E-07
63	1.21322E-05	1.02872E-02	2.10181E-03	1.64664E-07
64	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 65 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 61

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.59158E-01	6.76909E-01	1.08251E-04	7.04099E-01	6.69256E-01	1.08251E-04	6.76909E-01	1.94254E+00

4	5.94377E-02	1.86273E-01	2.92814E-05	1.93689E-01	1.84373E-01	2.92814E-05	1.86273E-01	3.33087E-01
5	5.05113E-02	2.25879E-01	3.76638E-05	2.34110E-01	2.23952E-01	3.76638E-05	2.25879E-01	2.72359E-01
6	3.69417E-02	1.65115E-01	2.74196E-05	1.71146E-01	1.63704E-01	2.74196E-05	1.65115E-01	1.99529E-01
7	2.68964E-02	1.19627E-01	1.99066E-05	1.23998E-01	1.18598E-01	1.99066E-05	1.19627E-01	1.45501E-01
8	1.95997E-02	8.02868E-02	1.31764E-05	8.32766E-02	7.95726E-02	1.31764E-05	8.02868E-02	1.07372E-01
9	2.59258E-02	6.75271E-02	9.60436E-06	7.03983E-02	6.67793E-02	9.60436E-06	6.75271E-02	1.48418E-01
10	3.98924E-02	7.85096E-02	8.45206E-06	8.24088E-02	7.74522E-02	8.45206E-06	7.85096E-02	2.37516E-01
11	6.00833E-02	1.08353E-01	8.44889E-06	1.14479E-01	1.06655E-01	8.44889E-06	1.08353E-01	3.69148E-01
12	7.52871E-02	1.36474E-01	9.14849E-06	1.44469E-01	1.34266E-01	9.14849E-06	1.36474E-01	4.67860E-01
13	8.86879E-02	1.62247E-01	1.00095E-05	1.71887E-01	1.59613E-01	1.00095E-05	1.62247E-01	5.54761E-01
14	9.84877E-02	1.83409E-01	1.08008E-05	1.94374E-01	1.80453E-01	1.08008E-05	1.83409E-01	6.21173E-01
15	1.12541E-01	2.10605E-01	1.19053E-05	2.23283E-01	2.07177E-01	1.19053E-05	2.10605E-01	7.06194E-01
16	1.25179E-01	2.38140E-01	1.31043E-05	2.52523E-01	2.34299E-01	1.31043E-05	2.38140E-01	7.89499E-01
17	1.41950E-01	2.71316E-01	1.46091E-05	2.87753E-01	2.66893E-01	1.46091E-05	2.71316E-01	8.93225E-01
18	7.97128E-02	1.62737E-02	7.67473E-09	4.44351E-02	3.18245E-03	7.67473E-09	1.62737E-02	1.20328E-05
19	1.37338E-01	7.04900E-03	3.32173E-09	1.92442E-02	1.37858E-03	3.32173E-09	7.04900E-03	5.22164E-06
20	2.61414E-02	4.20008E-03	1.94951E-09	1.13271E-02	8.99392E-04	1.94951E-09	4.20008E-03	3.06562E-06
21	6.21074E-02	2.88878E-03	1.34014E-09	7.78666E-03	6.18666E-04	1.34014E-09	2.88878E-03	2.11419E-06
22	1.57609E-02	1.87684E-03	8.70988E-10	5.05338E-03	4.01880E-04	8.70988E-10	1.87684E-03	1.37719E-06
23	2.69519E-01	1.20719E-03	5.59557E-10	3.24042E-03	2.58219E-04	5.59557E-10	1.20719E-03	8.87155E-07
24	1.40581E-01	8.26806E-04	3.42743E-10	2.08244E-03	1.58492E-04	3.42743E-10	8.26806E-04	5.45820E-07
25	2.60017E-02	2.44100E-03	1.94281E-10	3.60344E-03	9.15205E-05	1.94281E-10	2.44100E-03	3.09907E-07
26	3.28486E-02	1.00960E-03	1.24880E-10	1.59690E-03	6.88112E-05	1.24880E-10	1.00960E-03	2.00829E-07
27	8.79759E-03	1.52560E-03	8.58218E-11	1.32090E-03	5.40092E-04	8.58218E-11	1.52560E-03	1.40694E-07
28	5.38064E-03	4.89228E-04	5.24953E-11	1.11865E-03	2.37215E-04	5.24953E-11	4.89228E-04	9.11404E-08
29	2.90553E-03	6.01712E-04	3.18508E-11	9.57029E-04	4.23724E-05	3.18508E-11	6.01712E-04	6.45390E-08
30	1.77834E-03	1.07369E-04	2.14445E-11	2.73641E-04	1.45544E-05	2.14445E-11	1.07369E-04	5.45391E-08
31	1.29984E-03	2.51733E-04	1.45718E-11	7.55034E-04	1.10754E-05	1.45718E-11	2.51733E-04	5.70927E-08
32	1.10232E-03	2.54827E-04	1.07520E-11	7.21852E-04	1.02269E-05	1.07520E-11	2.54827E-04	6.93129E-08
33	9.94823E-04	2.10219E-04	9.48667E-12	3.06916E-04	1.71113E-05	9.48667E-12	2.10219E-04	7.99132E-08
34	9.62967E-04	1.15772E-04	9.02178E-12	2.54966E-04	4.71950E-06	9.02178E-12	1.15772E-04	8.68679E-08
35	9.14699E-04	2.32922E-04	8.32844E-12	5.56113E-04	9.51883E-06	8.32844E-12	2.32922E-04	9.98239E-08
36	8.38345E-04	2.84708E-04	7.33544E-12	8.52975E-04	6.76459E-06	7.33544E-12	2.84708E-04	1.36650E-07
37	6.83694E-04	1.38705E-04	5.79788E-12	3.67985E-04	9.56166E-06	5.79788E-12	1.38705E-04	4.83465E-06
38	4.98526E-04	1.17362E-04	4.04612E-12	2.83893E-04	2.30985E-05	4.04612E-12	1.17362E-04	3.93364E-05
39	4.11759E-04	9.98479E-05	2.59981E-12	2.64898E-04	1.21531E-05	2.59981E-12	9.98479E-05	3.66013E-05
40	3.67315E-04	8.12129E-05	1.30465E-12	2.12079E-04	1.17137E-05	1.30465E-12	8.12129E-05	9.13318E-07
41	3.58928E-04	6.92497E-05	5.64952E-13	1.67848E-04	1.12934E-05	5.64952E-13	6.92497E-05	2.05675E-05
42	3.62487E-04	5.59601E-05	2.84263E-14	1.31640E-04	7.97792E-06	2.84263E-14	5.59601E-05	7.83824E-06
43	3.84673E-04	4.82617E-05	.00000E+00	1.08370E-04	9.09664E-06	.00000E+00	4.82617E-05	2.80554E-05
44	5.44070E-04	6.40586E-05	.00000E+00	1.19670E-04	1.21891E-05	.00000E+00	6.40586E-05	4.93659E-05
45	8.39127E-04	1.00258E-04	.00000E+00	1.58236E-04	1.39318E-05	.00000E+00	1.00258E-04	2.58258E-05
46	1.26932E-03	1.55181E-04	.00000E+00	2.23557E-04	8.29241E-06	.00000E+00	1.55181E-04	1.70694E-05
47	2.69622E-03	3.96697E-04	.00000E+00	5.17307E-04	5.37773E-06	.00000E+00	3.96697E-04	3.82146E-06
48	5.72022E-03	7.69528E-04	.00000E+00	1.15605E-03	4.67854E-06	.00000E+00	7.69528E-04	4.47767E-06
49	7.25398E-03	1.11203E-03	.00000E+00	1.83650E-03	4.53607E-06	.00000E+00	1.11203E-03	4.90525E-06
50	7.88513E-03	1.35196E-03	.00000E+00	2.27274E-03	4.57353E-06	.00000E+00	1.35196E-03	5.30181E-06
51	7.77656E-03	1.34340E-03	.00000E+00	2.32199E-03	4.76416E-06	.00000E+00	1.34340E-03	5.61953E-06
52	7.72165E-03	1.35104E-03	.00000E+00	2.38192E-03	4.82897E-06	.00000E+00	1.35104E-03	5.69706E-06
53	7.67220E-03	1.36359E-03	.00000E+00	2.45512E-03	4.88671E-06	.00000E+00	1.36359E-03	5.75380E-06
54	7.51223E-03	1.33922E-03	.00000E+00	2.46569E-03	4.92887E-06	.00000E+00	1.33922E-03	5.77228E-06
55	7.26545E-03	1.32767E-03	.00000E+00	2.58683E-03	4.69951E-06	.00000E+00	1.32767E-03	4.21374E-06
56	6.99135E-03	1.37254E-03	.00000E+00	2.92246E-03	2.06693E-06	.00000E+00	1.37254E-03	3.07934E-03
57	6.96024E-03	1.50792E-03	.00000E+00	3.77441E-03	7.38052E-06	.00000E+00	1.50792E-03	2.99739E-02
58	7.81777E-03	1.69583E-03	.00000E+00	4.49142E-03	9.38568E-05	.00000E+00	1.69583E-03	4.00127E-02
59	8.34330E-03	2.10613E-03	2.16244E-07	5.25118E-03	4.10933E-04	2.16244E-07	2.10613E-03	3.87326E-02
60	7.49893E-03	2.51482E-03	7.31589E-07	5.71390E-03	8.47086E-04	7.31589E-07	2.51482E-03	4.57599E-02
61	8.44604E-03	2.90897E-03	6.28481E-07	5.92982E-03	1.26722E-03	6.28481E-07	2.90897E-03	4.16491E-02
62	8.66252E-03	3.57305E-03	5.63326E-07	6.36013E-03	1.80554E-03	5.63326E-07	3.57305E-03	4.38893E-02
63	7.48345E-03	4.55905E-03	3.67350E-07	6.33469E-03	3.65814E-03	3.67350E-07	4.55905E-03	5.62811E-02

64	7.63714E-03	8.21919E-03	2.13847E-07	8.03042E-03	9.25383E-03	2.13847E-07	8.21919E-03	5.63305E-02
65	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 66 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.31289E-02	1.94254E+00	6.76909E-01	1.08251E-04
4	2.51580E-02	3.33087E-01	1.86273E-01	2.92814E-05
5	3.24444E-02	2.72359E-01	2.25879E-01	3.76638E-05
6	2.36167E-02	1.99529E-01	1.65115E-01	2.74196E-05
7	1.71506E-02	1.45501E-01	1.19627E-01	1.99066E-05
8	1.13374E-02	1.07372E-01	8.02868E-02	1.31764E-05
9	8.14295E-03	1.48418E-01	6.75271E-02	9.60436E-06
10	6.90240E-03	2.37516E-01	7.85096E-02	8.45206E-06
11	6.47119E-03	3.69148E-01	1.08353E-01	8.44889E-06
12	6.72308E-03	4.67860E-01	1.36474E-01	9.14849E-06
13	7.15816E-03	5.54761E-01	1.62247E-01	1.00095E-05
14	7.59406E-03	6.21173E-01	1.83409E-01	1.08008E-05
15	8.23651E-03	7.06194E-01	2.10605E-01	1.19053E-05
16	8.96294E-03	7.89499E-01	2.38140E-01	1.31043E-05
17	9.89392E-03	8.93225E-01	2.71316E-01	1.46091E-05
18	1.49696E+00	1.20328E-05	1.62737E-02	7.67473E-09
19	6.48276E-01	5.22164E-06	7.04900E-03	3.32173E-09
20	3.80630E-01	3.06562E-06	4.20008E-03	1.94951E-09
21	2.61769E-01	2.11419E-06	2.88878E-03	1.34014E-09
22	1.70035E-01	1.37719E-06	1.87684E-03	8.70988E-10
23	1.09183E-01	8.87155E-07	1.20719E-03	5.59557E-10
24	6.68178E-02	5.45820E-07	8.26806E-04	3.42743E-10
25	3.78156E-02	3.09907E-07	2.44100E-03	1.94281E-10
26	2.42823E-02	2.00829E-07	1.00960E-03	1.24880E-10
27	1.66543E-02	1.40694E-07	1.52560E-03	8.58218E-11
28	1.01566E-02	9.11404E-08	4.89228E-04	5.24953E-11
29	6.13872E-03	6.45390E-08	6.01712E-04	3.18508E-11
30	4.13151E-03	5.45391E-08	1.07369E-04	2.14445E-11
31	2.82565E-03	5.70927E-08	2.51733E-04	1.45718E-11
32	2.11623E-03	6.93129E-08	2.54827E-04	1.07520E-11
33	1.87561E-03	7.99132E-08	2.10219E-04	9.48667E-12
34	1.79677E-03	8.68679E-08	1.15772E-04	9.02178E-12
35	1.67870E-03	9.98239E-08	2.32922E-04	8.32844E-12
36	1.50735E-03	1.36650E-07	2.84708E-04	7.33544E-12
37	1.26487E-03	4.83465E-06	1.38705E-04	5.79788E-12
38	1.00970E-03	3.93364E-05	1.17362E-04	4.04612E-12
39	8.08262E-04	3.66013E-05	9.98479E-05	2.59981E-12
40	5.79880E-04	9.13318E-07	8.12129E-05	1.30465E-12
41	4.17682E-04	2.05675E-05	6.92497E-05	5.64952E-13
42	3.38558E-04	7.83824E-06	5.59601E-05	2.84263E-14
43	2.50558E-04	2.80554E-05	4.82617E-05	.00000E+00
44	1.56371E-04	4.93659E-05	6.40586E-05	.00000E+00
45	1.07290E-04	2.58258E-05	1.00258E-04	.00000E+00
46	8.06720E-05	1.70694E-05	1.55181E-04	.00000E+00
47	5.12666E-05	3.82146E-06	3.96697E-04	.00000E+00
48	4.60000E-05	4.47767E-06	7.69528E-04	.00000E+00
49	6.65967E-05	4.90525E-06	1.11203E-03	.00000E+00
50	5.52675E-05	5.30181E-06	1.35196E-03	.00000E+00
51	5.15648E-05	5.61953E-06	1.34340E-03	.00000E+00
52	5.31385E-05	5.69706E-06	1.35104E-03	.00000E+00
53	5.51287E-05	5.75380E-06	1.36359E-03	.00000E+00
54	6.23077E-05	5.77228E-06	1.33922E-03	.00000E+00
55	6.30174E-05	4.21374E-06	1.32767E-03	.00000E+00
56	5.33442E-05	3.07934E-03	1.37254E-03	.00000E+00

57	6.70955E-05	2.99739E-02	1.50792E-03	.00000E+00
58	3.69023E-05	4.00127E-02	1.69583E-03	.00000E+00
59	2.16211E-04	3.87326E-02	2.10613E-03	2.16244E-07
60	6.31663E-04	4.57599E-02	2.51482E-03	7.31589E-07
61	4.86912E-04	4.16491E-02	2.90897E-03	6.28481E-07
62	4.35519E-04	4.38893E-02	3.57305E-03	5.63326E-07
63	3.30977E-04	5.62811E-02	4.55905E-03	3.67350E-07
64	2.61769E-04	5.63305E-02	8.21919E-03	2.13847E-07
65	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 66 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 62

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.07841E+00	9.36411E-01	1.34873E-04	9.82307E-01	9.19865E-01	1.34873E-04	9.36411E-01	6.03292E+00
4	1.52425E-01	4.22791E-01	6.46610E-05	4.40241E-01	4.18230E-01	6.46610E-05	4.22791E-01	8.68514E-01
5	8.29727E-02	3.71043E-01	6.18625E-05	3.84598E-01	3.67835E-01	6.18625E-05	3.71043E-01	4.48691E-01
6	5.59694E-02	2.47897E-01	4.12740E-05	2.56950E-01	2.45770E-01	4.12740E-05	2.47897E-01	3.02434E-01
7	4.85751E-02	2.16461E-01	3.59450E-05	2.24368E-01	2.14609E-01	3.59450E-05	2.16461E-01	2.62540E-01
8	4.13241E-02	1.83584E-01	3.05515E-05	1.90292E-01	1.82006E-01	3.05515E-05	1.83584E-01	2.23524E-01
9	2.90971E-02	1.29262E-01	2.15243E-05	1.33987E-01	1.28151E-01	2.15243E-05	1.29262E-01	1.57682E-01
10	1.92906E-02	8.57374E-02	1.42730E-05	8.88712E-02	8.50006E-02	1.42730E-05	8.57374E-02	1.04608E-01
11	1.35721E-02	6.03145E-02	1.00405E-05	6.25200E-02	5.97958E-02	1.00405E-05	6.03145E-02	7.35986E-02
12	8.90112E-03	3.95557E-02	6.58478E-06	4.10023E-02	3.92156E-02	6.58478E-06	3.95557E-02	4.82673E-02
13	6.80927E-03	3.02593E-02	5.03712E-06	3.13656E-02	2.99992E-02	5.03712E-06	3.02593E-02	3.69213E-02
14	5.53378E-03	2.45905E-02	4.09346E-06	2.54896E-02	2.43790E-02	4.09346E-06	2.45905E-02	3.00062E-02
15	4.73758E-03	2.10512E-02	3.50427E-06	2.18211E-02	2.08699E-02	3.50427E-06	2.10512E-02	2.56882E-02
16	3.92591E-03	1.74450E-02	2.90392E-06	1.80828E-02	1.72949E-02	2.90392E-06	1.74450E-02	2.12871E-02
17	3.32883E-03	1.47915E-02	2.46218E-06	1.53324E-02	1.46643E-02	2.46218E-06	1.47915E-02	1.80496E-02
18	2.71416E-03	1.20595E-02	2.00752E-06	1.25007E-02	1.19558E-02	2.00752E-06	1.20595E-02	1.47167E-02
19	8.43010E-02	2.04652E-02	.00000E+00	1.28463E-02	2.33042E-02	.00000E+00	2.04652E-02	7.26319E-06
20	1.51876E-01	8.86516E-03	.00000E+00	5.56242E-03	1.00937E-02	.00000E+00	8.86516E-03	3.15186E-06
21	2.82523E-02	5.15174E-03	.00000E+00	3.23926E-03	5.84555E-03	.00000E+00	5.15174E-03	1.85042E-06
22	4.06788E-02	3.54414E-03	.00000E+00	2.22491E-03	4.01969E-03	.00000E+00	3.54414E-03	1.27613E-06
23	1.77519E-02	2.30299E-03	.00000E+00	1.44020E-03	2.60919E-03	.00000E+00	2.30299E-03	8.31266E-07
24	1.85473E-01	1.48142E-03	.00000E+00	9.18959E-04	1.67323E-03	.00000E+00	1.48142E-03	5.35493E-07
25	9.86829E-02	9.50606E-04	.00000E+00	6.04121E-04	1.02070E-03	.00000E+00	9.50606E-04	3.29465E-07
26	1.99995E-02	1.44895E-03	.00000E+00	1.44796E-03	5.74315E-04	.00000E+00	1.44895E-03	1.87061E-07
27	2.33558E-02	7.38902E-04	.00000E+00	6.35620E-04	3.88390E-04	.00000E+00	7.38902E-04	1.21232E-07
28	6.76402E-03	3.78114E-03	.00000E+00	2.03538E-03	1.76787E-03	.00000E+00	3.78114E-03	8.49379E-08
29	4.09238E-03	1.89600E-03	.00000E+00	1.70148E-03	2.34672E-03	.00000E+00	1.89600E-03	5.50175E-08
30	2.21461E-03	2.76562E-04	.00000E+00	4.03732E-04	1.27415E-04	.00000E+00	2.76562E-04	3.89273E-08
31	1.36573E-03	7.39318E-05	.00000E+00	1.91845E-04	2.37957E-05	.00000E+00	7.39318E-05	3.28300E-08
32	1.00292E-03	9.34791E-05	.00000E+00	1.96612E-04	2.04119E-05	.00000E+00	9.34791E-05	3.42589E-08
33	8.49354E-04	1.00269E-04	.00000E+00	1.78362E-04	2.24142E-05	.00000E+00	1.00269E-04	4.15600E-08
34	7.68070E-04	1.88071E-04	.00000E+00	1.86775E-04	1.78786E-04	.00000E+00	1.88071E-04	4.79077E-08
35	7.45815E-04	1.08807E-04	.00000E+00	1.42045E-04	6.04344E-05	.00000E+00	1.08807E-04	5.20746E-08
36	7.11602E-04	2.12547E-04	.00000E+00	1.83597E-04	2.17826E-04	.00000E+00	2.12547E-04	5.98343E-08
37	6.55746E-04	2.35806E-04	.00000E+00	2.22120E-04	2.54073E-04	.00000E+00	2.35806E-04	8.18861E-08
38	5.45065E-04	1.26110E-04	.00000E+00	1.29383E-04	1.27954E-04	.00000E+00	1.26110E-04	2.89505E-06
39	4.15039E-04	1.25905E-04	.00000E+00	1.29636E-04	1.34774E-04	.00000E+00	1.25905E-04	2.35249E-05
40	3.52429E-04	8.16491E-05	.00000E+00	1.17301E-04	7.02573E-05	.00000E+00	8.16491E-05	2.18262E-05
41	3.21062E-04	7.92943E-05	.00000E+00	1.19049E-04	6.34419E-05	.00000E+00	7.92943E-05	5.42652E-07
42	3.24076E-04	9.18348E-05	.00000E+00	1.32443E-04	6.05655E-05	.00000E+00	9.18348E-05	1.21843E-05
43	3.38255E-04	1.10194E-04	.00000E+00	1.63245E-04	4.08618E-05	.00000E+00	1.10194E-04	4.62779E-06
44	3.70308E-04	1.70646E-04	.00000E+00	2.35104E-04	4.64286E-05	.00000E+00	1.70646E-04	1.64713E-05
45	6.72993E-04	2.75258E-04	.00000E+00	3.61218E-04	6.24573E-05	.00000E+00	2.75258E-04	2.88502E-05
46	1.32804E-03	4.03547E-04	.00000E+00	5.20826E-04	7.15058E-05	.00000E+00	4.03547E-04	1.49734E-05
47	2.33479E-03	5.54454E-04	.00000E+00	7.28284E-04	4.25655E-05	.00000E+00	5.54454E-04	9.84217E-06
48	4.95918E-03	1.14155E-03	.00000E+00	1.45889E-03	4.57928E-05	.00000E+00	1.14155E-03	2.17958E-06

49	8.86178E-03	1.82735E-03	.00000E+00	2.60574E-03	6.13040E-05	.00000E+00	1.82735E-03	2.55163E-06
50	1.01915E-02	2.25079E-03	.00000E+00	3.48431E-03	7.83512E-05	.00000E+00	2.25079E-03	2.79277E-06
51	1.03295E-02	2.42334E-03	.00000E+00	3.89251E-03	9.06613E-05	.00000E+00	2.42334E-03	3.01474E-06
52	9.86065E-03	2.35835E-03	.00000E+00	3.94601E-03	9.59485E-05	.00000E+00	2.35835E-03	3.19204E-06
53	9.69486E-03	2.31921E-03	.00000E+00	3.91887E-03	9.54490E-05	.00000E+00	2.31921E-03	3.23493E-06
54	9.54749E-03	2.28052E-03	.00000E+00	3.88087E-03	9.51861E-05	.00000E+00	2.28052E-03	3.26614E-06
55	9.08266E-03	2.22113E-03	.00000E+00	3.98779E-03	9.34834E-05	.00000E+00	2.22113E-03	3.27294E-06
56	8.38872E-03	2.12353E-03	.00000E+00	4.12753E-03	8.93748E-05	.00000E+00	2.12353E-03	2.38446E-06
57	7.95395E-03	1.99834E-03	.00000E+00	4.36926E-03	7.01354E-05	.00000E+00	1.99834E-03	2.06164E-04
58	8.21602E-03	1.90485E-03	.00000E+00	4.99179E-03	1.04990E-04	.00000E+00	1.90485E-03	5.12234E-03
59	9.54667E-03	2.24664E-03	.00000E+00	5.96762E-03	3.31891E-04	.00000E+00	2.24664E-03	6.30180E-03
60	1.04522E-02	2.80920E-03	.00000E+00	6.85576E-03	8.81935E-04	.00000E+00	2.80920E-03	5.71322E-03
61	9.51787E-03	3.33614E-03	.00000E+00	7.14767E-03	1.65189E-03	.00000E+00	3.33614E-03	7.94579E-03
62	9.34390E-03	4.03938E-03	.00000E+00	7.69298E-03	2.38094E-03	.00000E+00	4.03938E-03	6.30246E-03
63	8.47790E-03	5.25380E-03	8.38257E-08	8.54626E-03	3.59658E-03	8.38257E-08	5.25380E-03	3.11134E-03
64	7.23957E-03	6.33000E-03	1.89175E-07	8.26346E-03	5.57848E-03	1.89175E-07	6.33000E-03	1.46689E-03
65	7.84838E-03	6.75656E-03	1.90559E-07	7.41179E-03	6.60933E-03	1.90559E-07	6.75656E-03	2.47249E-03
66	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 67 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.15946E-01	6.03292E+00	9.36411E-01	1.34873E-04
4	5.55124E-02	8.68514E-01	4.22791E-01	6.46610E-05
5	5.32516E-02	4.48691E-01	3.71043E-01	6.18625E-05
6	3.55544E-02	3.02434E-01	2.47897E-01	4.12740E-05
7	3.09598E-02	2.62540E-01	2.16461E-01	3.59450E-05
8	2.63219E-02	2.23524E-01	1.83584E-01	3.05515E-05
9	1.85428E-02	1.57682E-01	1.29262E-01	2.15243E-05
10	1.22917E-02	1.04608E-01	8.57374E-02	1.42730E-05
11	8.64732E-03	7.35986E-02	6.03145E-02	1.00405E-05
12	5.66981E-03	4.82673E-02	3.95557E-02	6.58478E-06
13	4.33684E-03	3.69213E-02	3.02593E-02	5.03712E-06
14	3.52422E-03	3.00062E-02	2.45905E-02	4.09346E-06
15	3.01688E-03	2.56882E-02	2.10512E-02	3.50427E-06
16	2.49993E-03	2.12871E-02	1.74450E-02	2.90392E-06
17	2.12019E-03	1.80496E-02	1.47915E-02	2.46218E-06
18	1.72847E-03	1.47167E-02	1.20595E-02	2.00752E-06
19	.00000E+00	7.26319E-06	2.04652E-02	.00000E+00
20	.00000E+00	3.15186E-06	8.86516E-03	.00000E+00
21	.00000E+00	1.85042E-06	5.15174E-03	.00000E+00
22	.00000E+00	1.27613E-06	3.54414E-03	.00000E+00
23	.00000E+00	8.31266E-07	2.30299E-03	.00000E+00
24	.00000E+00	5.35493E-07	1.48142E-03	.00000E+00
25	.00000E+00	3.29465E-07	9.50606E-04	.00000E+00
26	.00000E+00	1.87061E-07	1.44895E-03	.00000E+00
27	.00000E+00	1.21232E-07	7.38902E-04	.00000E+00
28	.00000E+00	8.49379E-08	3.78114E-03	.00000E+00
29	.00000E+00	5.50175E-08	1.89600E-03	.00000E+00
30	.00000E+00	3.89273E-08	2.76562E-04	.00000E+00
31	.00000E+00	3.28300E-08	7.39318E-05	.00000E+00
32	.00000E+00	3.42589E-08	9.34791E-05	.00000E+00
33	.00000E+00	4.15600E-08	1.00269E-04	.00000E+00
34	.00000E+00	4.79077E-08	1.88071E-04	.00000E+00
35	.00000E+00	5.20746E-08	1.08807E-04	.00000E+00
36	.00000E+00	5.98343E-08	2.12547E-04	.00000E+00
37	.00000E+00	8.18861E-08	2.35806E-04	.00000E+00
38	.00000E+00	2.89505E-06	1.26110E-04	.00000E+00
39	.00000E+00	2.35249E-05	1.25905E-04	.00000E+00
40	.00000E+00	2.18262E-05	8.16491E-05	.00000E+00

41	.00000E+00	5.42652E-07	7.92943E-05	.00000E+00
42	.00000E+00	1.21843E-05	9.18348E-05	.00000E+00
43	.00000E+00	4.62779E-06	1.10194E-04	.00000E+00
44	.00000E+00	1.64713E-05	1.70646E-04	.00000E+00
45	.00000E+00	2.88502E-05	2.75258E-04	.00000E+00
46	.00000E+00	1.49734E-05	4.03547E-04	.00000E+00
47	.00000E+00	9.84217E-06	5.54454E-04	.00000E+00
48	.00000E+00	2.17958E-06	1.14155E-03	.00000E+00
49	.00000E+00	2.55163E-06	1.82735E-03	.00000E+00
50	.00000E+00	2.79277E-06	2.25079E-03	.00000E+00
51	.00000E+00	3.01474E-06	2.42334E-03	.00000E+00
52	.00000E+00	3.19204E-06	2.35835E-03	.00000E+00
53	.00000E+00	3.23493E-06	2.31921E-03	.00000E+00
54	.00000E+00	3.26614E-06	2.28052E-03	.00000E+00
55	.00000E+00	3.27294E-06	2.22113E-03	.00000E+00
56	.00000E+00	2.38446E-06	2.12353E-03	.00000E+00
57	.00000E+00	2.06164E-04	1.99834E-03	.00000E+00
58	.00000E+00	5.12234E-03	1.90485E-03	.00000E+00
59	.00000E+00	6.30180E-03	2.24664E-03	.00000E+00
60	3.22724E-09	5.71322E-03	2.80920E-03	.00000E+00
61	1.42805E-07	7.94579E-03	3.33614E-03	.00000E+00
62	2.11315E-07	6.30246E-03	4.03938E-03	.00000E+00
63	7.23569E-05	3.11134E-03	5.25380E-03	8.38257E-08
64	1.63673E-04	1.46689E-03	6.33000E-03	1.89175E-07
65	1.65215E-04	2.47249E-03	6.75656E-03	1.90559E-07
66	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	67 THRU POS.	70 SAME AS ABOVE		

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 63

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.79264E+00	1.87478E+00	1.70398E-04	2.02240E+00	1.80186E+00	1.70398E-04	1.87478E+00	3.04513E+01
4	3.47185E-01	8.40001E-01	1.18127E-04	8.77798E-01	8.29511E-01	1.18127E-04	8.40001E-01	2.25329E+00
5	9.34060E-02	4.20735E-01	7.00991E-05	4.36074E-01	4.17168E-01	7.00991E-05	4.20735E-01	5.05503E-01
6	2.30754E-02	1.02552E-01	1.70866E-05	1.06307E-01	1.01661E-01	1.70866E-05	1.02552E-01	1.24957E-01
7	8.88443E-03	3.93053E-02	6.54677E-06	4.07410E-02	3.89678E-02	6.54677E-06	3.93053E-02	4.80298E-02
8	4.35858E-03	1.94091E-02	3.22289E-06	2.01180E-02	1.92434E-02	3.22289E-06	1.94091E-02	2.35444E-02
9	7.89635E-04	3.51755E-03	5.84547E-07	3.64601E-03	3.48737E-03	5.84547E-07	3.51755E-03	4.27906E-03
10	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
POS.	11 THRU POS.	19 SAME AS ABOVE						
20	4.56954E-02	8.46471E-03	.00000E+00	5.19073E-03	9.50833E-03	.00000E+00	8.46471E-03	2.07144E-09
21	7.91411E-02	3.66684E-03	.00000E+00	2.24826E-03	4.11844E-03	.00000E+00	3.66684E-03	8.98900E-10
22	1.41879E-02	2.12885E-03	.00000E+00	1.30895E-03	2.38160E-03	.00000E+00	2.12885E-03	5.27740E-10
23	1.48782E-02	1.46460E-03	.00000E+00	9.00063E-04	1.63774E-03	.00000E+00	1.46460E-03	3.63968E-10
24	8.98912E-03	9.51774E-04	.00000E+00	5.84131E-04	1.06312E-03	.00000E+00	9.51774E-04	2.37081E-10
25	3.43725E-01	6.12244E-04	.00000E+00	3.74643E-04	6.81833E-04	.00000E+00	6.12244E-04	1.52723E-10
26	1.76077E-01	3.84258E-04	.00000E+00	2.37793E-04	4.16060E-04	.00000E+00	3.84258E-04	9.39645E-11
27	2.92456E-02	3.92099E-04	.00000E+00	3.43003E-04	2.34451E-04	.00000E+00	3.92099E-04	.00000E+00
28	4.06066E-02	2.34302E-04	.00000E+00	1.73776E-04	1.59593E-04	.00000E+00	2.34302E-04	.00000E+00
29	9.97534E-03	1.61100E-03	.00000E+00	8.50677E-04	7.60917E-04	.00000E+00	1.61100E-03	.00000E+00
30	6.17300E-03	1.01547E-03	.00000E+00	8.58996E-04	1.33506E-03	.00000E+00	1.01547E-03	.00000E+00
31	3.32776E-03	1.11673E-04	.00000E+00	1.77950E-04	5.59069E-05	.00000E+00	1.11673E-04	.00000E+00
32	2.01185E-03	2.52598E-05	.00000E+00	8.21878E-05	9.98242E-06	.00000E+00	2.52598E-05	.00000E+00
33	1.45749E-03	3.32768E-05	.00000E+00	7.77038E-05	9.64585E-06	.00000E+00	3.32768E-05	.00000E+00
34	1.23574E-03	3.51691E-05	.00000E+00	6.34545E-05	1.18324E-05	.00000E+00	3.51691E-05	.00000E+00
35	1.11186E-03	7.15674E-05	.00000E+00	6.85504E-05	7.43091E-05	.00000E+00	7.15674E-05	.00000E+00
36	1.07189E-03	3.80920E-05	.00000E+00	5.15189E-05	2.45192E-05	.00000E+00	3.80920E-05	.00000E+00
37	1.01178E-03	7.91546E-05	.00000E+00	6.43480E-05	8.76159E-05	.00000E+00	7.91546E-05	.00000E+00
38	9.20338E-04	1.42906E-04	.00000E+00	9.42758E-05	1.86366E-04	.00000E+00	1.42906E-04	4.73600E-11
39	7.30284E-04	8.03359E-05	.00000E+00	5.30620E-05	1.04462E-04	.00000E+00	8.03359E-05	2.96638E-09

40	4.98345E-04	1.04403E-04	.00000E+00	5.93275E-05	1.44607E-04	.00000E+00	1.04403E-04	4.06428E-08
41	3.98731E-04	9.92606E-05	.00000E+00	5.94389E-05	9.41402E-05	.00000E+00	9.92606E-05	5.10056E-08
42	4.48736E-04	3.36439E-04	.00000E+00	2.05123E-04	2.02125E-04	.00000E+00	3.36439E-04	1.26194E-09
43	6.27066E-04	5.84479E-04	.00000E+00	3.55406E-04	3.00388E-04	.00000E+00	5.84479E-04	2.82250E-08
44	9.64442E-04	8.80456E-04	.00000E+00	5.50908E-04	3.93311E-04	.00000E+00	8.80456E-04	1.06706E-08
45	1.38769E-03	1.16807E-03	.00000E+00	7.70914E-04	4.85353E-04	.00000E+00	1.16807E-03	3.76901E-08
46	1.88068E-03	1.36561E-03	.00000E+00	9.57260E-04	5.39009E-04	.00000E+00	1.36561E-03	6.56046E-08
47	2.36252E-03	1.54415E-03	.00000E+00	1.12634E-03	5.80755E-04	.00000E+00	1.54415E-03	3.36716E-08
48	2.82821E-03	1.69303E-03	.00000E+00	1.29812E-03	5.59329E-04	.00000E+00	1.69303E-03	2.19601E-08
49	3.93608E-03	2.18737E-03	.00000E+00	1.92898E-03	6.07446E-04	.00000E+00	2.18737E-03	5.28697E-09
50	5.67077E-03	2.67549E-03	.00000E+00	2.60651E-03	6.68918E-04	.00000E+00	2.67549E-03	7.34336E-09
51	5.96729E-03	2.82515E-03	.00000E+00	2.88108E-03	6.91475E-04	.00000E+00	2.82515E-03	9.39051E-09
52	5.71302E-03	2.77630E-03	.00000E+00	2.94503E-03	6.99606E-04	.00000E+00	2.77630E-03	1.20935E-08
53	5.42723E-03	2.72291E-03	.00000E+00	2.95395E-03	7.05843E-04	.00000E+00	2.72291E-03	1.44495E-08
54	5.33285E-03	2.66157E-03	.00000E+00	2.90553E-03	6.91854E-04	.00000E+00	2.66157E-03	1.52245E-08
55	5.24923E-03	2.62666E-03	.00000E+00	2.90313E-03	6.83170E-04	.00000E+00	2.62666E-03	1.59252E-08
56	4.98866E-03	2.59054E-03	.00000E+00	2.94692E-03	6.88356E-04	.00000E+00	2.59054E-03	1.78592E-08
57	4.60411E-03	2.49254E-03	.00000E+00	2.98571E-03	6.76429E-04	.00000E+00	2.49254E-03	1.54713E-08
58	4.29367E-03	2.36769E-03	.00000E+00	3.03316E-03	6.70034E-04	.00000E+00	2.36769E-03	1.17679E-08
59	4.21817E-03	2.33107E-03	.00000E+00	3.13867E-03	7.22471E-04	.00000E+00	2.33107E-03	9.16617E-06
60	4.74554E-03	2.60382E-03	.00000E+00	3.54582E-03	9.11469E-04	.00000E+00	2.60382E-03	3.11986E-04
61	6.13254E-03	3.23146E-03	1.57534E-09	4.06944E-03	1.58944E-03	1.57534E-09	3.23146E-03	9.15693E-04
62	7.11541E-03	3.74639E-03	4.52906E-08	4.39767E-03	2.16404E-03	4.52906E-08	3.74639E-03	2.38799E-04
63	5.53183E-03	4.16676E-03	1.51190E-07	4.56397E-03	2.63030E-03	1.51190E-07	4.16676E-03	3.33846E-04
64	3.94445E-03	4.72492E-03	3.68584E-07	4.81079E-03	3.24605E-03	3.68584E-07	4.72492E-03	1.77893E-04
65	3.38149E-03	5.74793E-03	6.20967E-07	4.95689E-03	4.99779E-03	6.20967E-07	5.74793E-03	3.18330E-04
66	3.76917E-03	7.91674E-03	6.64506E-07	5.41590E-03	8.74654E-03	6.64506E-07	7.91674E-03	4.89403E-04
67	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

	POS. 68 THRU POS. 70 SAME AS ABOVE			
0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.45528E-01	3.04513E+01	1.87478E+00	1.70398E-04
4	1.00972E-01	2.25329E+00	8.40001E-01	1.18127E-04
5	6.03787E-02	5.05503E-01	4.20735E-01	7.00991E-05
6	1.47084E-02	1.24957E-01	1.02552E-01	1.70866E-05
7	5.63949E-03	4.80298E-02	3.93053E-02	6.54677E-06
8	2.77571E-03	2.35444E-02	1.94091E-02	3.22289E-06
9	5.03408E-04	4.27906E-03	3.51755E-03	5.84547E-07
10	.00000E+00	.00000E+00	.00000E+00	.00000E+00

	POS. 11 THRU POS. 19 SAME AS ABOVE			
20	.00000E+00	2.07144E-09	8.46471E-03	.00000E+00
21	.00000E+00	8.98900E-10	3.66684E-03	.00000E+00
22	.00000E+00	5.27740E-10	2.12885E-03	.00000E+00
23	.00000E+00	3.63968E-10	1.46460E-03	.00000E+00
24	.00000E+00	2.37081E-10	9.51774E-04	.00000E+00
25	.00000E+00	1.52723E-10	6.12244E-04	.00000E+00
26	.00000E+00	9.39645E-11	3.84258E-04	.00000E+00
27	.00000E+00	.00000E+00	3.92099E-04	.00000E+00
28	.00000E+00	.00000E+00	2.34302E-04	.00000E+00
29	.00000E+00	.00000E+00	1.61100E-03	.00000E+00
30	.00000E+00	.00000E+00	1.01547E-03	.00000E+00
31	.00000E+00	.00000E+00	1.11673E-04	.00000E+00
32	.00000E+00	.00000E+00	2.52598E-05	.00000E+00
33	.00000E+00	.00000E+00	3.32768E-05	.00000E+00
34	.00000E+00	.00000E+00	3.51691E-05	.00000E+00
35	.00000E+00	.00000E+00	7.15674E-05	.00000E+00
36	.00000E+00	.00000E+00	3.80920E-05	.00000E+00
37	.00000E+00	.00000E+00	7.91546E-05	.00000E+00
38	.00000E+00	4.73600E-11	1.42906E-04	.00000E+00

39	.00000E+00	2.96638E-09	8.03359E-05	.00000E+00
40	.00000E+00	4.06428E-08	1.04403E-04	.00000E+00
41	.00000E+00	5.10056E-08	9.92606E-05	.00000E+00
42	.00000E+00	1.26194E-09	3.36439E-04	.00000E+00
43	.00000E+00	2.82250E-08	5.84479E-04	.00000E+00
44	.00000E+00	1.06706E-08	8.80456E-04	.00000E+00
45	.00000E+00	3.76901E-08	1.16807E-03	.00000E+00
46	.00000E+00	6.56046E-08	1.36561E-03	.00000E+00
47	.00000E+00	3.36716E-08	1.54415E-03	.00000E+00
48	.00000E+00	2.19601E-08	1.69303E-03	.00000E+00
49	.00000E+00	5.28697E-09	2.18737E-03	.00000E+00
50	.00000E+00	7.34336E-09	2.67549E-03	.00000E+00
51	.00000E+00	9.39051E-09	2.82515E-03	.00000E+00
52	.00000E+00	1.20935E-08	2.77630E-03	.00000E+00
53	.00000E+00	1.44495E-08	2.72291E-03	.00000E+00
54	.00000E+00	1.52245E-08	2.66157E-03	.00000E+00
55	.00000E+00	1.59252E-08	2.62666E-03	.00000E+00
56	.00000E+00	1.78592E-08	2.59054E-03	.00000E+00
57	.00000E+00	1.54713E-08	2.49254E-03	.00000E+00
58	.00000E+00	1.17679E-08	2.36769E-03	.00000E+00
59	.00000E+00	9.16617E-06	2.33107E-03	.00000E+00
60	.00000E+00	3.11986E-04	2.60382E-03	.00000E+00
61	1.35608E-06	9.15693E-04	3.23146E-03	1.57534E-09
62	3.89871E-05	2.38799E-04	3.74639E-03	4.52906E-08
63	1.29931E-04	3.33846E-04	4.16676E-03	1.51190E-07
64	2.32933E-04	1.77893E-04	4.72492E-03	3.68584E-07
65	2.59163E-04	3.18330E-04	5.74793E-03	6.20967E-07
66	2.03615E-04	4.89403E-04	7.91674E-03	6.64506E-07
67	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 68 THRU POS. 70 SAME AS ABOVE

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 64

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	5.71237E+00	5.10190E+00	2.01262E-04	5.64690E+00	4.81185E+00	2.01262E-04	5.10190E+00	4.78912E+01
4	6.78437E-01	1.34970E+00	1.66011E-04	1.41977E+00	1.32820E+00	1.66011E-04	1.34970E+00	3.68950E+00
5	6.47895E-02	3.01696E-01	5.12229E-05	3.12056E-01	2.99507E-01	5.12229E-05	3.01696E-01	3.46779E-01
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 7 THRU POS. 20 SAME AS ABOVE

21	1.66120E-02	1.97989E-03	.00000E+00	1.49886E-03	8.53514E-04	.00000E+00	1.97989E-03	8.28594E-10
22	2.54834E-02	8.58047E-04	.00000E+00	6.49347E-04	3.69905E-04	.00000E+00	8.58047E-04	3.56215E-10
23	5.21899E-03	5.04175E-04	.00000E+00	3.81332E-04	2.17354E-04	.00000E+00	5.04175E-04	1.84709E-10
24	5.47875E-03	3.47362E-04	.00000E+00	2.62402E-04	1.49761E-04	.00000E+00	3.47362E-04	1.16581E-10
25	4.09560E-03	2.26529E-04	.00000E+00	1.70592E-04	9.76769E-05	.00000E+00	2.26529E-04	5.92701E-11
26	2.52079E-01	1.47036E-04	.00000E+00	1.09921E-04	6.34072E-05	.00000E+00	1.47036E-04	3.81816E-11
27	1.27950E-01	9.59701E-05	.00000E+00	7.17315E-05	4.01688E-05	.00000E+00	9.59701E-05	.00000E+00
28	2.02138E-02	1.29065E-04	.00000E+00	1.26385E-04	2.61802E-05	.00000E+00	1.29065E-04	.00000E+00
29	2.93592E-02	8.89999E-05	.00000E+00	6.91879E-05	2.83861E-05	.00000E+00	8.89999E-05	.00000E+00
30	6.93545E-03	1.08560E-03	.00000E+00	5.68864E-04	4.80696E-04	.00000E+00	1.08560E-03	.00000E+00
31	4.31663E-03	1.09876E-04	.00000E+00	2.13439E-04	4.61801E-05	.00000E+00	1.09876E-04	.00000E+00
32	2.32698E-03	6.96571E-05	.00000E+00	8.42890E-05	2.97868E-05	.00000E+00	6.96571E-05	.00000E+00
33	1.40040E-03	1.53253E-05	.00000E+00	3.55914E-05	5.90606E-06	.00000E+00	1.53253E-05	.00000E+00
34	1.01061E-03	1.62265E-05	.00000E+00	3.12978E-05	5.46814E-06	.00000E+00	1.62265E-05	.00000E+00
35	8.56977E-04	1.26874E-05	.00000E+00	2.26683E-05	3.54116E-06	.00000E+00	1.26874E-05	.00000E+00
36	7.70017E-04	9.58737E-06	.00000E+00	1.69468E-05	2.66410E-06	.00000E+00	9.58737E-06	.00000E+00
37	7.40747E-04	9.90214E-06	.00000E+00	1.63996E-05	2.82729E-06	.00000E+00	9.90214E-06	.00000E+00
38	6.96982E-04	9.15138E-06	.00000E+00	1.39750E-05	2.47808E-06	.00000E+00	9.15138E-06	.00000E+00
39	6.31460E-04	8.08101E-06	.00000E+00	1.43335E-05	2.10490E-06	.00000E+00	8.08101E-06	.00000E+00
40	4.94126E-04	4.82157E-06	.00000E+00	8.17652E-06	1.38256E-06	.00000E+00	4.82157E-06	1.17000E-09
41	3.29289E-04	3.66405E-06	.00000E+00	6.08032E-06	1.14307E-06	.00000E+00	3.66405E-06	1.62495E-08

42	2.66404E-04	2.65156E-06	.00000E+00	5.11817E-06	7.92049E-07	.00000E+00	2.65156E-06	2.03940E-08
43	2.70847E-04	6.39375E-06	.00000E+00	1.01131E-05	4.22451E-07	.00000E+00	6.39375E-06	4.80792E-10
44	2.98774E-04	2.01961E-05	.00000E+00	2.69591E-05	3.57030E-07	.00000E+00	2.01961E-05	1.12866E-08
45	3.14307E-04	4.91776E-05	.00000E+00	6.27325E-05	3.05520E-07	.00000E+00	4.91776E-05	4.26818E-09
46	3.31395E-04	1.02128E-04	.00000E+00	1.28919E-04	2.50037E-07	.00000E+00	1.02128E-04	1.50767E-08
47	5.29261E-04	1.59617E-04	.00000E+00	2.01385E-04	2.17782E-07	.00000E+00	1.59617E-04	2.62422E-08
48	9.80503E-04	2.03742E-04	.00000E+00	2.57291E-04	1.89467E-07	.00000E+00	2.03742E-04	1.34690E-08
49	1.67755E-03	2.50421E-04	.00000E+00	3.17540E-04	1.74081E-07	.00000E+00	2.50421E-04	8.78412E-09
50	2.57116E-03	3.60538E-04	.00000E+00	4.78245E-04	1.30242E-07	.00000E+00	3.60538E-04	2.11482E-09
51	2.83117E-03	4.67436E-04	.00000E+00	7.11992E-04	1.06595E-07	.00000E+00	4.67436E-04	2.93734E-09
52	2.72695E-03	4.89737E-04	.00000E+00	8.68182E-04	9.57073E-08	.00000E+00	4.89737E-04	3.75614E-09
53	2.51417E-03	4.74805E-04	.00000E+00	9.83571E-04	8.87967E-08	.00000E+00	4.74805E-04	4.83762E-09
54	2.45281E-03	4.97945E-04	.00000E+00	1.14546E-03	8.59473E-08	.00000E+00	4.97945E-04	5.77987E-09
55	2.43433E-03	5.15749E-04	.00000E+00	1.23111E-03	8.53530E-08	.00000E+00	5.15749E-04	6.08966E-09
56	2.41772E-03	5.19630E-04	.00000E+00	1.26748E-03	8.48491E-08	.00000E+00	5.19630E-04	6.37010E-09
57	2.36704E-03	5.35593E-04	.00000E+00	1.39794E-03	8.33735E-08	.00000E+00	5.35593E-04	7.14376E-09
58	2.29269E-03	5.71078E-04	.00000E+00	1.63024E-03	7.91494E-08	.00000E+00	5.71078E-04	6.18864E-09
59	2.09285E-03	6.65525E-04	.00000E+00	2.11801E-03	1.27947E-07	.00000E+00	6.65525E-04	4.70730E-09
60	1.76456E-03	8.41879E-04	.00000E+00	2.97263E-03	4.15998E-06	.00000E+00	8.41879E-04	3.66640E-06
61	1.84129E-03	1.13361E-03	.00000E+00	3.77822E-03	1.25847E-04	.00000E+00	1.13361E-03	1.24796E-04
62	2.61306E-03	1.59156E-03	.00000E+00	4.61046E-03	5.04573E-04	.00000E+00	1.59156E-03	3.42688E-04
63	3.37892E-03	1.84656E-03	.00000E+00	4.81486E-03	8.37584E-04	.00000E+00	1.84656E-03	6.10946E-05
64	2.33816E-03	2.00532E-03	.00000E+00	4.87438E-03	1.06492E-03	.00000E+00	2.00532E-03	4.68420E-05
65	1.40007E-03	2.25032E-03	.00000E+00	4.87268E-03	1.41243E-03	.00000E+00	2.25032E-03	4.83465E-05
66	1.20890E-03	2.32289E-03	.00000E+00	4.18725E-03	1.83421E-03	.00000E+00	2.32289E-03	1.22644E-04
67	1.37661E-03	1.82056E-03	.00000E+00	2.62926E-03	1.68733E-03	.00000E+00	1.82056E-03	1.89209E-04
68	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 69 THRU POS. 70 SAME AS ABOVE

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.69863E-01	4.78912E+01	5.10190E+00	2.01262E-04
4	1.41496E-01	3.68950E+00	1.34970E+00	1.66011E-04
5	4.40392E-02	3.46779E-01	3.01696E-01	5.12229E-05
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 7 THRU POS. 20 SAME AS ABOVE

21	.00000E+00	8.28594E-10	1.97989E-03	.00000E+00
22	.00000E+00	3.56215E-10	8.58047E-04	.00000E+00
23	.00000E+00	1.84709E-10	5.04175E-04	.00000E+00
24	.00000E+00	1.16581E-10	3.47362E-04	.00000E+00
25	.00000E+00	5.92701E-11	2.26529E-04	.00000E+00
26	.00000E+00	3.81816E-11	1.47036E-04	.00000E+00
27	.00000E+00	.00000E+00	9.59701E-05	.00000E+00
28	.00000E+00	.00000E+00	1.29065E-04	.00000E+00
29	.00000E+00	.00000E+00	8.89999E-05	.00000E+00
30	.00000E+00	.00000E+00	1.08560E-03	.00000E+00
31	.00000E+00	.00000E+00	1.09876E-04	.00000E+00
32	.00000E+00	.00000E+00	6.96571E-05	.00000E+00
33	.00000E+00	.00000E+00	1.53253E-05	.00000E+00
34	.00000E+00	.00000E+00	1.62265E-05	.00000E+00
35	.00000E+00	.00000E+00	1.26874E-05	.00000E+00
36	.00000E+00	.00000E+00	9.58737E-06	.00000E+00
37	.00000E+00	.00000E+00	9.90214E-06	.00000E+00
38	.00000E+00	.00000E+00	9.15138E-06	.00000E+00
39	.00000E+00	.00000E+00	8.08101E-06	.00000E+00
40	.00000E+00	1.17000E-09	4.82157E-06	.00000E+00
41	.00000E+00	1.62495E-08	3.66405E-06	.00000E+00
42	.00000E+00	2.03940E-08	2.65156E-06	.00000E+00
43	.00000E+00	4.80792E-10	6.39375E-06	.00000E+00
44	.00000E+00	1.12866E-08	2.01961E-05	.00000E+00

45	.00000E+00	4.26818E-09	4.91776E-05	.00000E+00
46	.00000E+00	1.50767E-08	1.02128E-04	.00000E+00
47	.00000E+00	2.62422E-08	1.59617E-04	.00000E+00
48	.00000E+00	1.34690E-08	2.03742E-04	.00000E+00
49	.00000E+00	8.78412E-09	2.50421E-04	.00000E+00
50	.00000E+00	2.11482E-09	3.60538E-04	.00000E+00
51	.00000E+00	2.93734E-09	4.67436E-04	.00000E+00
52	.00000E+00	3.75614E-09	4.89737E-04	.00000E+00
53	.00000E+00	4.83762E-09	4.74805E-04	.00000E+00
54	.00000E+00	5.77987E-09	4.97945E-04	.00000E+00
55	.00000E+00	6.08966E-09	5.15749E-04	.00000E+00
56	.00000E+00	6.37010E-09	5.19630E-04	.00000E+00
57	.00000E+00	7.14376E-09	5.35593E-04	.00000E+00
58	.00000E+00	6.18864E-09	5.71078E-04	.00000E+00
59	.00000E+00	4.70730E-09	6.65525E-04	.00000E+00
60	.00000E+00	3.66640E-06	8.41879E-04	.00000E+00
61	.00000E+00	1.24796E-04	1.13361E-03	.00000E+00
62	.00000E+00	3.42688E-04	1.59156E-03	.00000E+00
63	.00000E+00	6.10946E-05	1.84656E-03	.00000E+00
64	.00000E+00	4.68420E-05	2.00532E-03	.00000E+00
65	.00000E+00	4.83465E-05	2.25032E-03	.00000E+00
66	.00000E+00	1.22644E-04	2.32289E-03	.00000E+00
67	.00000E+00	1.89209E-04	1.82056E-03	.00000E+00
68	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 69 THRU POS. 70 SAME AS ABOVE

1 PO HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 65

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.80539E+01	1.58361E+01	2.42749E-04	1.76981E+01	1.48527E+01	2.42749E-04	1.58361E+01	8.77224E+01
4	1.39607E+00	2.10444E+00	2.16813E-04	2.22854E+00	2.06402E+00	2.16813E-04	2.10444E+00	7.81614E+00
5	3.54674E-02	1.69773E-01	2.94581E-05	1.75892E-01	1.68422E-01	2.94581E-05	1.69773E-01	1.88318E-01
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

POS. 7 THRU POS. 21 SAME AS ABOVE

22	8.64264E-03	3.74203E-02	.00000E+00	1.77743E-02	4.64356E-02	.00000E+00	3.74203E-02	6.21437E-10
23	1.46887E-02	1.62094E-02	.00000E+00	7.69935E-03	2.01126E-02	.00000E+00	1.62094E-02	2.66318E-10
24	3.01196E-03	9.36943E-03	.00000E+00	4.45425E-03	1.15868E-02	.00000E+00	9.36943E-03	1.31935E-10
25	3.44884E-03	6.44464E-03	.00000E+00	3.06383E-03	7.96709E-03	.00000E+00	6.44464E-03	8.01838E-11
26	2.36354E-03	4.18588E-03	.00000E+00	1.99004E-03	5.17038E-03	.00000E+00	4.18588E-03	2.82481E-11
27	4.08583E-02	2.68894E-03	.00000E+00	1.27849E-03	3.31414E-03	.00000E+00	2.68894E-03	.00000E+00
28	2.10506E-02	1.65110E-03	.00000E+00	7.87009E-04	2.01834E-03	.00000E+00	1.65110E-03	.00000E+00
29	3.67645E-03	1.00011E-03	.00000E+00	5.16046E-04	1.12784E-03	.00000E+00	1.00011E-03	.00000E+00
30	4.89516E-03	7.21828E-04	.00000E+00	3.62773E-04	7.39476E-04	.00000E+00	7.21828E-04	.00000E+00
31	1.27064E-03	5.25114E-03	.00000E+00	2.69617E-03	2.60175E-03	.00000E+00	5.25114E-03	.00000E+00
32	7.78025E-04	2.97006E-03	.00000E+00	1.48377E-03	3.91838E-03	.00000E+00	2.97006E-03	.00000E+00
33	4.21789E-04	3.51134E-04	.00000E+00	2.14909E-04	1.96937E-04	.00000E+00	3.51134E-04	.00000E+00
34	2.56924E-04	6.84644E-05	.00000E+00	5.73263E-05	3.60269E-05	.00000E+00	6.84644E-05	.00000E+00
35	1.86363E-04	6.19933E-05	.00000E+00	4.87602E-05	2.98868E-05	.00000E+00	6.19933E-05	.00000E+00
36	1.57659E-04	5.34485E-05	.00000E+00	3.81014E-05	3.77293E-05	.00000E+00	5.34485E-05	.00000E+00
37	1.42069E-04	2.70422E-04	.00000E+00	1.31906E-04	3.71696E-04	.00000E+00	2.70422E-04	.00000E+00
38	1.37118E-04	9.93872E-05	.00000E+00	5.47241E-05	1.14977E-04	.00000E+00	9.93872E-05	.00000E+00
39	1.29748E-04	3.08549E-04	.00000E+00	1.47067E-04	4.30314E-04	.00000E+00	3.08549E-04	.00000E+00
40	1.18352E-04	3.12290E-04	.00000E+00	1.50662E-04	4.39904E-04	.00000E+00	3.12290E-04	.00000E+00
41	2.99723E-04	1.63164E-04	.00000E+00	7.84185E-05	2.26831E-04	.00000E+00	1.63164E-04	8.76103E-10
42	1.68866E-03	1.98692E-04	.00000E+00	9.32102E-05	2.82799E-04	.00000E+00	1.98692E-04	1.21853E-08
43	3.54832E-03	1.04676E-04	.00000E+00	5.04643E-05	1.46592E-04	.00000E+00	1.04676E-04	1.52888E-08
44	4.70923E-03	1.04238E-04	.00000E+00	5.21306E-05	1.45303E-04	.00000E+00	1.04238E-04	3.59943E-10
45	5.36848E-03	1.10051E-04	.00000E+00	6.18603E-05	1.40573E-04	.00000E+00	1.10051E-04	8.46410E-09
46	5.94631E-03	9.97960E-05	.00000E+00	7.25580E-05	9.65211E-05	.00000E+00	9.97960E-05	3.20121E-09
47	6.37660E-03	1.44844E-04	.00000E+00	1.21813E-04	1.10647E-04	.00000E+00	1.44844E-04	1.13073E-08

48	7.15659E-03	2.08565E-04	.00000E+00	1.82335E-04	1.49679E-04	.00000E+00	2.08565E-04	1.96814E-08
49	7.49548E-03	2.50819E-04	.00000E+00	2.27950E-04	1.71778E-04	.00000E+00	2.50819E-04	1.01018E-08
50	6.55478E-03	2.29201E-04	.00000E+00	2.42577E-04	1.00709E-04	.00000E+00	2.29201E-04	6.58817E-09
51	4.66980E-03	2.19630E-04	.00000E+00	3.19228E-04	7.57764E-07	.00000E+00	2.19630E-04	1.58612E-09
52	4.03343E-03	2.91257E-04	.00000E+00	5.22144E-04	6.30453E-07	.00000E+00	2.91257E-04	2.20301E-09
53	3.50681E-03	3.26790E-04	.00000E+00	7.14634E-04	5.69562E-07	.00000E+00	3.26790E-04	2.81712E-09
54	3.08848E-03	3.56820E-04	.00000E+00	9.27229E-04	5.29030E-07	.00000E+00	3.56820E-04	3.62813E-09
55	3.04893E-03	4.29946E-04	.00000E+00	1.23217E-03	5.14144E-07	.00000E+00	4.29946E-04	4.33482E-09
56	3.04053E-03	4.54926E-04	.00000E+00	1.33376E-03	5.10316E-07	.00000E+00	4.54926E-04	4.56741E-09
57	3.03294E-03	4.77963E-04	.00000E+00	1.42722E-03	5.07049E-07	.00000E+00	4.77963E-04	4.77757E-09
58	3.00852E-03	5.49434E-04	.00000E+00	1.71847E-03	4.96676E-07	.00000E+00	5.49434E-04	5.35790E-09
59	2.97076E-03	6.71100E-04	.00000E+00	2.20738E-03	4.68020E-07	.00000E+00	6.71100E-04	4.64131E-09
60	2.75358E-03	1.13276E-03	.00000E+00	3.94427E-03	4.43545E-07	.00000E+00	1.13276E-03	3.41434E-09
61	2.29061E-03	1.77897E-03	.00000E+00	6.36260E-03	7.33861E-06	.00000E+00	1.77897E-03	2.74936E-06
62	2.19260E-03	2.35354E-03	.00000E+00	8.00251E-03	1.98362E-04	.00000E+00	2.35354E-03	9.35950E-05
63	2.63774E-03	3.18091E-03	.00000E+00	9.63981E-03	7.91115E-04	.00000E+00	3.18091E-03	2.57004E-04
64	3.08596E-03	3.69362E-03	.00000E+00	1.04059E-02	1.26757E-03	.00000E+00	3.69362E-03	4.58193E-05
65	2.22976E-03	4.03487E-03	.00000E+00	1.08736E-02	1.61985E-03	.00000E+00	4.03487E-03	3.51332E-05
66	1.43797E-03	4.38736E-03	.00000E+00	1.10600E-02	2.10097E-03	.00000E+00	4.38736E-03	3.62582E-05
67	1.16037E-03	4.35475E-03	.00000E+00	9.68424E-03	2.73806E-03	.00000E+00	4.35475E-03	9.19817E-05
68	1.16373E-03	3.37510E-03	.00000E+00	6.50393E-03	2.43368E-03	.00000E+00	3.37510E-03	1.41902E-04
69	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
70	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.96510E-01	8.77224E+01	1.58361E+01	2.42749E-04
4	1.83416E-01	7.81614E+00	2.10444E+00	2.16813E-04
5	2.55085E-02	1.88318E-01	1.69773E-01	2.94581E-05
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 7 THRU POS.	21 SAME AS ABOVE		
22	.00000E+00	6.21437E-10	3.74203E-02	.00000E+00
23	.00000E+00	2.66318E-10	1.62094E-02	.00000E+00
24	.00000E+00	1.31935E-10	9.36943E-03	.00000E+00
25	.00000E+00	8.01838E-11	6.44464E-03	.00000E+00
26	.00000E+00	2.82481E-11	4.18588E-03	.00000E+00
27	.00000E+00	.00000E+00	2.68894E-03	.00000E+00
28	.00000E+00	.00000E+00	1.65110E-03	.00000E+00
29	.00000E+00	.00000E+00	1.00011E-03	.00000E+00
30	.00000E+00	.00000E+00	7.21828E-04	.00000E+00
31	.00000E+00	.00000E+00	5.25114E-03	.00000E+00
32	.00000E+00	.00000E+00	2.97006E-03	.00000E+00
33	.00000E+00	.00000E+00	3.51134E-04	.00000E+00
34	.00000E+00	.00000E+00	6.84644E-05	.00000E+00
35	.00000E+00	.00000E+00	6.19933E-05	.00000E+00
36	.00000E+00	.00000E+00	5.34485E-05	.00000E+00
37	.00000E+00	.00000E+00	2.70422E-04	.00000E+00
38	.00000E+00	.00000E+00	9.93872E-05	.00000E+00
39	.00000E+00	.00000E+00	3.08549E-04	.00000E+00
40	.00000E+00	.00000E+00	3.12290E-04	.00000E+00
41	.00000E+00	8.76103E-10	1.63164E-04	.00000E+00
42	.00000E+00	1.21853E-08	1.98692E-04	.00000E+00
43	.00000E+00	1.52888E-08	1.04676E-04	.00000E+00
44	.00000E+00	3.59943E-10	1.04238E-04	.00000E+00
45	.00000E+00	8.46410E-09	1.10051E-04	.00000E+00
46	.00000E+00	3.20121E-09	9.97960E-05	.00000E+00
47	.00000E+00	1.13073E-08	1.44844E-04	.00000E+00
48	.00000E+00	1.96814E-08	2.08565E-04	.00000E+00
49	.00000E+00	1.01018E-08	2.50819E-04	.00000E+00
50	.00000E+00	6.58817E-09	2.29201E-04	.00000E+00

51	.00000E+00	1.58612E-09	2.19630E-04	.00000E+00
52	.00000E+00	2.20301E-09	2.91257E-04	.00000E+00
53	.00000E+00	2.81712E-09	3.26790E-04	.00000E+00
54	.00000E+00	3.62813E-09	3.56820E-04	.00000E+00
55	.00000E+00	4.33482E-09	4.29946E-04	.00000E+00
56	.00000E+00	4.56741E-09	4.54926E-04	.00000E+00
57	.00000E+00	4.77757E-09	4.77963E-04	.00000E+00
58	.00000E+00	5.35790E-09	5.49434E-04	.00000E+00
59	.00000E+00	4.64131E-09	6.71100E-04	.00000E+00
60	.00000E+00	3.41434E-09	1.13276E-03	.00000E+00
61	.00000E+00	2.74936E-06	1.77897E-03	.00000E+00
62	.00000E+00	9.35950E-05	2.35354E-03	.00000E+00
63	.00000E+00	2.57004E-04	3.18091E-03	.00000E+00
64	.00000E+00	4.58193E-05	3.69362E-03	.00000E+00
65	.00000E+00	3.51332E-05	4.03487E-03	.00000E+00
66	.00000E+00	3.62582E-05	4.38736E-03	.00000E+00
67	.00000E+00	9.19817E-05	4.35475E-03	.00000E+00
68	.00000E+00	1.41902E-04	3.37510E-03	.00000E+00
69	.00000E+00	.00000E+00	.00000E+00	.00000E+00
70	.00000E+00	.00000E+00	.00000E+00	.00000E+00

1 P0 HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 66

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.04152E+02	1.13125E+02	5.23607E-04	1.26248E+02	1.06629E+02	5.23607E-04	1.13125E+02	5.55750E+02
4	3.18507E+00	4.22829E+00	2.57863E-04	4.52676E+00	4.15524E+00	2.57863E-04	4.22829E+00	2.18308E+01
5	7.18039E-04	3.75640E-03	7.00200E-07	3.87298E-03	3.73522E-03	7.00200E-07	3.75640E-03	3.66376E-03
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 7 THRU POS. 22 SAME AS ABOVE							
23	2.58528E-03	1.64851E-02	.00000E+00	7.67109E-03	2.22292E-02	.00000E+00	1.64851E-02	2.07144E-10
24	4.34998E-03	7.14056E-03	.00000E+00	3.32276E-03	9.62809E-03	.00000E+00	7.14056E-03	8.98900E-11
25	9.35467E-04	4.11805E-03	.00000E+00	1.91748E-03	5.54160E-03	.00000E+00	4.11805E-03	5.27740E-11
26	1.09744E-03	2.83184E-03	.00000E+00	1.31860E-03	3.80997E-03	.00000E+00	2.83184E-03	2.55896E-11
27	7.65298E-04	1.83833E-03	.00000E+00	8.55990E-04	2.47205E-03	.00000E+00	1.83833E-03	.00000E+00
28	1.03929E-02	1.17914E-03	.00000E+00	5.49079E-04	1.58355E-03	.00000E+00	1.17914E-03	.00000E+00
29	5.36507E-03	7.20500E-04	.00000E+00	3.36155E-04	9.62663E-04	.00000E+00	7.20500E-04	.00000E+00
30	9.58189E-04	4.23262E-04	.00000E+00	2.10724E-04	5.33592E-04	.00000E+00	4.23262E-04	.00000E+00
31	1.25294E-03	2.84014E-04	.00000E+00	1.38680E-04	3.36846E-04	.00000E+00	2.84014E-04	.00000E+00
32	3.32896E-04	1.37597E-03	.00000E+00	7.02987E-04	7.43860E-04	.00000E+00	1.37597E-03	.00000E+00
33	2.03205E-04	1.36431E-03	.00000E+00	6.59981E-04	1.90572E-03	.00000E+00	1.36431E-03	.00000E+00
34	1.10356E-04	9.78416E-05	.00000E+00	6.12017E-05	6.39551E-05	.00000E+00	9.78416E-05	.00000E+00
35	6.74557E-05	1.87326E-05	.00000E+00	1.63792E-05	1.12150E-05	.00000E+00	1.87326E-05	.00000E+00
36	4.90107E-05	1.62989E-05	.00000E+00	1.37331E-05	8.61948E-06	.00000E+00	1.62989E-05	.00000E+00
37	4.14492E-05	1.68791E-05	.00000E+00	1.17793E-05	1.47561E-05	.00000E+00	1.68791E-05	.00000E+00
38	3.73846E-05	1.27788E-04	.00000E+00	6.04420E-05	1.82755E-04	.00000E+00	1.27788E-04	.00000E+00
39	3.61051E-05	4.18513E-05	.00000E+00	2.17185E-05	5.42059E-05	.00000E+00	4.18513E-05	.00000E+00
40	3.42158E-05	1.47337E-04	.00000E+00	6.85661E-05	2.12278E-04	.00000E+00	1.47337E-04	.00000E+00
41	3.12491E-05	1.50204E-04	.00000E+00	7.00915E-05	2.17498E-04	.00000E+00	1.50204E-04	.00000E+00
42	2.52778E-05	7.77334E-05	.00000E+00	3.64075E-05	1.11801E-04	.00000E+00	7.77334E-05	1.69576E-10
43	1.81036E-05	9.61881E-05	.00000E+00	4.43288E-05	1.40060E-04	.00000E+00	9.61881E-05	2.11904E-09
44	1.59722E-05	5.01038E-05	.00000E+00	2.34828E-05	7.23513E-05	.00000E+00	5.01038E-05	2.54464E-09
45	1.67563E-05	5.00543E-05	.00000E+00	2.39426E-05	7.21353E-05	.00000E+00	5.00543E-05	5.95572E-11
46	2.02130E-05	5.07135E-05	.00000E+00	2.59641E-05	6.98360E-05	.00000E+00	5.07135E-05	1.41014E-09
47	2.27310E-05	4.06981E-05	.00000E+00	2.52086E-05	4.78605E-05	.00000E+00	4.06981E-05	5.33547E-10
48	2.52590E-05	5.41889E-05	.00000E+00	3.83552E-05	5.49871E-05	.00000E+00	5.41889E-05	1.88457E-09
49	2.82911E-04	7.65298E-05	.00000E+00	5.67270E-05	7.45463E-05	.00000E+00	7.65298E-05	3.28026E-09
50	8.86898E-04	8.99209E-05	.00000E+00	6.79926E-05	8.56275E-05	.00000E+00	8.99209E-05	1.68365E-09
51	1.81180E-03	7.16059E-05	.00000E+00	6.42821E-05	5.03800E-05	.00000E+00	7.16059E-05	1.09801E-09
52	2.74960E-03	6.94282E-05	.00000E+00	7.71285E-05	3.24184E-05	.00000E+00	6.94282E-05	2.64352E-10
53	2.20628E-03	8.13359E-05	.00000E+00	1.22614E-04	2.81788E-05	.00000E+00	8.13359E-05	3.67168E-10

54	1.85167E-03	8.29867E-05	.00000E+00	1.48791E-04	2.73480E-05	.00000E+00	8.29867E-05	4.69509E-10
55	1.60058E-03	8.44234E-05	.00000E+00	1.77730E-04	2.75975E-05	.00000E+00	8.44234E-05	6.04677E-10
56	1.57242E-03	9.58898E-05	.00000E+00	2.24924E-04	2.87955E-05	.00000E+00	9.58898E-05	7.22492E-10
57	1.56629E-03	9.98282E-05	.00000E+00	2.40644E-04	2.91940E-05	.00000E+00	9.98282E-05	7.61224E-10
58	1.56079E-03	1.03602E-04	.00000E+00	2.55567E-04	2.95486E-05	.00000E+00	1.03602E-04	7.96262E-10
59	1.54342E-03	1.13534E-04	.00000E+00	2.97503E-04	2.97998E-05	.00000E+00	1.13534E-04	8.92961E-10
60	1.51724E-03	1.31314E-04	.00000E+00	3.73248E-04	2.89613E-05	.00000E+00	1.31314E-04	7.73531E-10
61	1.42970E-03	1.70487E-04	.00000E+00	5.40210E-04	2.35919E-05	.00000E+00	1.70487E-04	5.59379E-10
62	1.23915E-03	2.65111E-04	.00000E+00	9.18562E-04	1.48563E-05	.00000E+00	2.65111E-04	9.16056E-07
63	1.14701E-03	4.12070E-04	.00000E+00	1.31516E-03	5.92157E-05	.00000E+00	4.12070E-04	3.11979E-05
64	1.20997E-03	6.50583E-04	.00000E+00	1.73747E-03	2.02547E-04	.00000E+00	6.50583E-04	8.56670E-05
65	1.26060E-03	8.28788E-04	.00000E+00	1.99717E-03	3.24234E-04	.00000E+00	8.28788E-04	1.52733E-05
66	9.73095E-04	9.47818E-04	.00000E+00	2.16424E-03	4.14654E-04	.00000E+00	9.47818E-04	1.17105E-05
67	6.88424E-04	1.08218E-03	.00000E+00	2.29263E-03	5.36429E-04	.00000E+00	1.08218E-03	1.20863E-05
68	5.21531E-04	1.13664E-03	.00000E+00	2.14422E-03	6.89663E-04	.00000E+00	1.13664E-03	3.06611E-05
69	4.63303E-04	9.30281E-04	.00000E+00	1.55654E-03	6.07822E-04	.00000E+00	9.30281E-04	4.73006E-05
70	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	3.44650E-01	5.55750E+02	1.13125E+02	5.23607E-04
4	2.08151E-01	2.18308E+01	4.22829E+00	2.57863E-04
5	6.10616E-04	3.66376E-03	3.75640E-03	7.00200E-07
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 7 THRU POS.	22 SAME AS ABOVE		
23	.00000E+00	2.07144E-10	1.64851E-02	.00000E+00
24	.00000E+00	8.98900E-11	7.14056E-03	.00000E+00
25	.00000E+00	5.27740E-11	4.11805E-03	.00000E+00
26	.00000E+00	2.55896E-11	2.83184E-03	.00000E+00
27	.00000E+00	.00000E+00	1.83833E-03	.00000E+00
28	.00000E+00	.00000E+00	1.17914E-03	.00000E+00
29	.00000E+00	.00000E+00	7.20500E-04	.00000E+00
30	.00000E+00	.00000E+00	4.23262E-04	.00000E+00
31	.00000E+00	.00000E+00	2.84014E-04	.00000E+00
32	.00000E+00	.00000E+00	1.37597E-03	.00000E+00
33	.00000E+00	.00000E+00	1.36431E-03	.00000E+00
34	.00000E+00	.00000E+00	9.78416E-05	.00000E+00
35	.00000E+00	.00000E+00	1.87326E-05	.00000E+00
36	.00000E+00	.00000E+00	1.62989E-05	.00000E+00
37	.00000E+00	.00000E+00	1.68791E-05	.00000E+00
38	.00000E+00	.00000E+00	1.27788E-04	.00000E+00
39	.00000E+00	.00000E+00	4.18513E-05	.00000E+00
40	.00000E+00	.00000E+00	1.47337E-04	.00000E+00
41	.00000E+00	.00000E+00	1.50204E-04	.00000E+00
42	.00000E+00	1.69576E-10	7.77334E-05	.00000E+00
43	.00000E+00	2.11904E-09	9.61881E-05	.00000E+00
44	.00000E+00	2.54464E-09	5.01038E-05	.00000E+00
45	.00000E+00	5.95572E-11	5.00543E-05	.00000E+00
46	.00000E+00	1.41014E-09	5.07135E-05	.00000E+00
47	.00000E+00	5.33547E-10	4.06981E-05	.00000E+00
48	.00000E+00	1.88457E-09	5.41889E-05	.00000E+00
49	.00000E+00	3.28026E-09	7.65298E-05	.00000E+00
50	.00000E+00	1.68365E-09	8.99209E-05	.00000E+00
51	.00000E+00	1.09801E-09	7.16059E-05	.00000E+00
52	.00000E+00	2.64352E-10	6.94282E-05	.00000E+00
53	.00000E+00	3.67168E-10	8.13359E-05	.00000E+00
54	.00000E+00	4.69509E-10	8.29867E-05	.00000E+00
55	.00000E+00	6.04677E-10	8.44234E-05	.00000E+00
56	.00000E+00	7.22492E-10	9.58898E-05	.00000E+00
57	.00000E+00	7.61224E-10	9.98282E-05	.00000E+00

58	.00000E+00	7.96262E-10	1.03602E-04	.00000E+00
59	.00000E+00	8.92961E-10	1.13534E-04	.00000E+00
60	.00000E+00	7.73531E-10	1.31314E-04	.00000E+00
61	.00000E+00	5.59379E-10	1.70487E-04	.00000E+00
62	.00000E+00	9.16056E-07	2.65111E-04	.00000E+00
63	.00000E+00	3.11979E-05	4.12070E-04	.00000E+00
64	.00000E+00	8.56670E-05	6.50583E-04	.00000E+00
65	.00000E+00	1.52733E-05	8.28788E-04	.00000E+00
66	.00000E+00	1.17105E-05	9.47818E-04	.00000E+00
67	.00000E+00	1.20863E-05	1.08218E-03	.00000E+00
68	.00000E+00	3.06611E-05	1.13664E-03	.00000E+00
69	.00000E+00	4.73006E-05	9.30281E-04	.00000E+00
70	.00000E+00	.00000E+00	.00000E+00	.00000E+00

1 PD HOMOGENEOUS CROSS SECTIONS BY ZONE FOR GROUP 67

0 POS.	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	1.37713E+02	4.32525E+02	1.67659E-03	4.76534E+02	4.37913E+02	1.67659E-03	4.32525E+02	1.28725E+03
4	3.78356E+00	7.20460E+00	3.30598E-04	7.68502E+00	7.12741E+00	3.30598E-04	7.20460E+00	2.76232E+01
5	1.03452E-02	5.64789E-02	1.11521E-05	5.82497E-02	5.61394E-02	1.11521E-05	5.64789E-02	5.07252E-02
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 7 THRU POS.		23 SAME AS ABOVE					
24	2.51792E-03	1.42682E-02	.00000E+00	6.52898E-03	2.12402E-02	.00000E+00	1.42682E-02	2.07144E-10
25	4.11537E-03	6.17979E-03	.00000E+00	2.82778E-03	9.19948E-03	.00000E+00	6.17979E-03	8.98900E-11
26	9.23668E-04	3.55349E-03	.00000E+00	1.62663E-03	5.28974E-03	.00000E+00	3.55349E-03	5.27740E-11
27	1.08887E-03	2.44285E-03	.00000E+00	1.11819E-03	3.63643E-03	.00000E+00	2.44285E-03	2.55896E-11
28	7.78276E-04	1.58463E-03	.00000E+00	7.25289E-04	2.35887E-03	.00000E+00	1.58463E-03	.00000E+00
29	1.49567E-02	1.01445E-03	.00000E+00	4.64234E-04	1.51008E-03	.00000E+00	1.01445E-03	.00000E+00
30	7.65403E-03	6.16171E-04	.00000E+00	2.82407E-04	9.16120E-04	.00000E+00	6.16171E-04	.00000E+00
31	1.29800E-03	3.55267E-04	.00000E+00	1.75694E-04	5.03258E-04	.00000E+00	3.55267E-04	.00000E+00
32	1.77563E-03	2.10289E-04	.00000E+00	1.00699E-04	3.03956E-04	.00000E+00	2.10289E-04	.00000E+00
33	4.49708E-04	1.27392E-04	.00000E+00	5.97451E-05	1.86845E-04	.00000E+00	1.27392E-04	.00000E+00
34	2.76755E-04	1.24437E-03	.00000E+00	5.98188E-04	1.85221E-03	.00000E+00	1.24437E-03	.00000E+00
35	1.49909E-04	2.04774E-05	.00000E+00	2.13454E-05	2.94416E-05	.00000E+00	2.04774E-05	.00000E+00
36	9.11170E-05	3.50608E-06	.00000E+00	8.53478E-06	4.42219E-06	.00000E+00	3.50608E-06	.00000E+00
37	6.60506E-05	2.04801E-06	.00000E+00	6.33392E-06	2.29740E-06	.00000E+00	2.04801E-06	.00000E+00
38	5.59425E-05	7.54242E-06	.00000E+00	6.87681E-06	1.06481E-05	.00000E+00	7.54242E-06	.00000E+00
39	5.03999E-05	1.20740E-04	.00000E+00	5.67276E-05	1.79662E-04	.00000E+00	1.20740E-04	.00000E+00
40	4.86047E-05	3.43805E-05	.00000E+00	1.77904E-05	5.09222E-05	.00000E+00	3.43805E-05	.00000E+00
41	4.59440E-05	1.40782E-04	.00000E+00	6.51169E-05	2.09398E-04	.00000E+00	1.40782E-04	.00000E+00
42	4.18467E-05	1.44633E-04	.00000E+00	6.71629E-05	2.15049E-04	.00000E+00	1.44633E-04	.00000E+00
43	3.35682E-05	7.40683E-05	.00000E+00	3.44848E-05	1.10188E-04	.00000E+00	7.40683E-05	4.64659E-11
44	2.32901E-05	9.31430E-05	.00000E+00	4.27357E-05	1.38717E-04	.00000E+00	9.31430E-05	1.85072E-10
45	1.93049E-05	4.79622E-05	.00000E+00	2.23595E-05	7.14082E-05	.00000E+00	4.79622E-05	.00000E+00
46	1.97633E-05	4.86265E-05	.00000E+00	2.30126E-05	7.16186E-05	.00000E+00	4.86265E-05	.00000E+00
47	2.26334E-05	4.87024E-05	.00000E+00	2.42043E-05	6.93865E-05	.00000E+00	4.87024E-05	.00000E+00
48	2.45133E-05	3.72667E-05	.00000E+00	2.16112E-05	4.74614E-05	.00000E+00	3.72667E-05	.00000E+00
49	2.66846E-05	4.80995E-05	.00000E+00	3.13243E-05	5.46519E-05	.00000E+00	4.80995E-05	.00000E+00
50	2.76298E-04	6.72562E-05	.00000E+00	4.47379E-05	7.42525E-05	.00000E+00	6.72562E-05	.00000E+00
51	8.60908E-04	7.84331E-05	.00000E+00	5.24717E-05	8.53703E-05	.00000E+00	7.84331E-05	.00000E+00
52	1.75572E-03	5.83180E-05	.00000E+00	4.60845E-05	5.04066E-05	.00000E+00	5.83180E-05	.00000E+00
53	2.65042E-03	7.23640E-05	.00000E+00	5.70680E-05	6.44580E-05	.00000E+00	7.23640E-05	.00000E+00
54	2.10263E-03	7.13940E-05	.00000E+00	6.83555E-05	5.60417E-05	.00000E+00	7.13940E-05	.00000E+00
55	1.75877E-03	6.80191E-05	.00000E+00	7.20030E-05	5.44122E-05	.00000E+00	6.80191E-05	.00000E+00
56	1.51776E-03	6.21187E-05	.00000E+00	6.50911E-05	5.49307E-05	.00000E+00	6.21187E-05	.00000E+00
57	1.48915E-03	6.13435E-05	.00000E+00	6.22288E-05	5.73342E-05	.00000E+00	6.13435E-05	.00000E+00
58	1.48271E-03	6.11865E-05	.00000E+00	6.13644E-05	5.81331E-05	.00000E+00	6.11865E-05	.00000E+00
59	1.47696E-03	6.10503E-05	.00000E+00	6.05820E-05	5.88447E-05	.00000E+00	6.10503E-05	.00000E+00
60	1.45884E-03	5.93907E-05	.00000E+00	5.74299E-05	5.93515E-05	.00000E+00	5.93907E-05	.00000E+00
61	1.43164E-03	5.52424E-05	.00000E+00	5.17281E-05	5.76897E-05	.00000E+00	5.52424E-05	.00000E+00

62	1.35522E-03	4.34616E-05	.00000E+00	4.07603E-05	4.69667E-05	.00000E+00	4.34616E-05	.00000E+00	
63	1.18987E-03	2.37556E-05	.00000E+00	2.39994E-05	2.60985E-05	.00000E+00	2.37556E-05	9.15726E-07	
64	1.09594E-03	4.64694E-05	.00000E+00	5.18516E-05	2.17727E-05	.00000E+00	4.64694E-05	3.11979E-05	
65	1.12585E-03	1.40425E-04	.00000E+00	1.69087E-04	1.96010E-05	.00000E+00	1.40425E-04	8.56670E-05	
66	1.13567E-03	2.32969E-04	.00000E+00	2.79608E-04	2.72417E-05	.00000E+00	2.32969E-04	1.52733E-05	
67	9.05692E-04	2.92092E-04	.00000E+00	3.48859E-04	3.25535E-05	.00000E+00	2.92092E-04	1.17105E-05	
68	6.69972E-04	3.72561E-04	.00000E+00	4.49659E-04	3.59696E-05	.00000E+00	3.72561E-04	1.20863E-05	
69	5.10848E-04	4.43454E-04	.00000E+00	5.44528E-04	3.58898E-05	.00000E+00	4.43454E-04	3.06611E-05	
70	4.50047E-04	4.33133E-04	.00000E+00	5.20803E-04	4.44065E-05	.00000E+00	4.33133E-04	4.73006E-05	

0 POS.	ZONE 9	ZONE 10	ZONE 11	ZONE 12
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	.00000E+00
3	9.27868E-01	1.28725E+03	4.32525E+02	1.67659E-03
4	2.54386E-01	2.76232E+01	7.20460E+00	3.30598E-04
5	9.87444E-03	5.07252E-02	5.64789E-02	1.11521E-05
6	.00000E+00	.00000E+00	.00000E+00	.00000E+00
	POS. 7 THRU POS.	23 SAME AS ABOVE		
24	.00000E+00	2.07144E-10	1.42682E-02	.00000E+00
25	.00000E+00	8.98900E-11	6.17979E-03	.00000E+00
26	.00000E+00	5.27740E-11	3.55349E-03	.00000E+00
27	.00000E+00	2.55896E-11	2.44285E-03	.00000E+00
28	.00000E+00	.00000E+00	1.58463E-03	.00000E+00
29	.00000E+00	.00000E+00	1.01445E-03	.00000E+00
30	.00000E+00	.00000E+00	6.16171E-04	.00000E+00
31	.00000E+00	.00000E+00	3.55267E-04	.00000E+00
32	.00000E+00	.00000E+00	2.10289E-04	.00000E+00
33	.00000E+00	.00000E+00	1.27392E-04	.00000E+00
34	.00000E+00	.00000E+00	1.24437E-03	.00000E+00
35	.00000E+00	.00000E+00	2.04774E-05	.00000E+00
36	.00000E+00	.00000E+00	3.50608E-06	.00000E+00
37	.00000E+00	.00000E+00	2.04801E-06	.00000E+00
38	.00000E+00	.00000E+00	7.54242E-06	.00000E+00
39	.00000E+00	.00000E+00	1.20740E-04	.00000E+00
40	.00000E+00	.00000E+00	3.43805E-05	.00000E+00
41	.00000E+00	.00000E+00	1.40782E-04	.00000E+00
42	.00000E+00	.00000E+00	1.44633E-04	.00000E+00
43	.00000E+00	4.64659E-11	7.40683E-05	.00000E+00
44	.00000E+00	1.85072E-10	9.31430E-05	.00000E+00
45	.00000E+00	.00000E+00	4.79622E-05	.00000E+00
46	.00000E+00	.00000E+00	4.86265E-05	.00000E+00
47	.00000E+00	.00000E+00	4.87024E-05	.00000E+00
48	.00000E+00	.00000E+00	3.72667E-05	.00000E+00
49	.00000E+00	.00000E+00	4.80995E-05	.00000E+00
50	.00000E+00	.00000E+00	6.72562E-05	.00000E+00
51	.00000E+00	.00000E+00	7.84331E-05	.00000E+00
52	.00000E+00	.00000E+00	5.83180E-05	.00000E+00
53	.00000E+00	.00000E+00	7.23640E-05	.00000E+00
54	.00000E+00	.00000E+00	7.13940E-05	.00000E+00
55	.00000E+00	.00000E+00	6.80191E-05	.00000E+00
56	.00000E+00	.00000E+00	6.21187E-05	.00000E+00
57	.00000E+00	.00000E+00	6.13435E-05	.00000E+00
58	.00000E+00	.00000E+00	6.11865E-05	.00000E+00
59	.00000E+00	.00000E+00	6.10503E-05	.00000E+00
60	.00000E+00	.00000E+00	5.93907E-05	.00000E+00
61	.00000E+00	.00000E+00	5.52424E-05	.00000E+00
62	.00000E+00	.00000E+00	4.34616E-05	.00000E+00
63	.00000E+00	9.15726E-07	2.37556E-05	.00000E+00
64	.00000E+00	3.11979E-05	4.64694E-05	.00000E+00
65	.00000E+00	8.56670E-05	1.40425E-04	.00000E+00
66	.00000E+00	1.52733E-05	2.32969E-04	.00000E+00

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    67   .00000E+00  1.17105E-05  2.92092E-04   .00000E+00
    68   .00000E+00  1.20863E-05  3.72561E-04   .00000E+00
    69   .00000E+00  3.06611E-05  4.43454E-04   .00000E+00
    70   .00000E+00  4.73006E-05  4.33133E-04   .00000E+00
1 OUTER INNER      NEUT BAL    UPSCATTER RATIO    EIGENVALUE        LAMBDA1          LAMBDA2
      0     0    .0000000E+00   .0000000E+00    .0000000E+00    .0000000E+00     .0000000E+00
  GRP.   1 REQUIRED   2 ITERATIONS. MFD OF   .00000E+00 OCCURRED IN INT. 324  COARSE MESH= 10
  GRP.   2 REQUIRED  10 ITERATIONS. MFD OF  8.55031E-05 OCCURRED IN INT. 324  COARSE MESH= 10
  GRP.   3 REQUIRED  10 ITERATIONS. MFD OF  1.12618E-04 OCCURRED IN INT. 123  COARSE MESH= 11
  GRP.   4 REQUIRED  10 ITERATIONS. MFD OF  1.24740E-04 OCCURRED IN INT. 123  COARSE MESH= 10
  GRP.   5 REQUIRED  10 ITERATIONS. MFD OF  1.84946E-04 OCCURRED IN INT. 138  COARSE MESH= 11
  GRP.   6 REQUIRED  11 ITERATIONS. MFD OF  8.12967E-05 OCCURRED IN INT. 123  COARSE MESH= 12
  GRP.   7 REQUIRED  11 ITERATIONS. MFD OF  8.84453E-05 OCCURRED IN INT. 104  COARSE MESH= 12
  GRP.   8 REQUIRED  11 ITERATIONS. MFD OF  6.39505E-05 OCCURRED IN INT.  98  COARSE MESH= 13
  GRP.   9 REQUIRED  10 ITERATIONS. MFD OF  7.89256E-05 OCCURRED IN INT.  98  COARSE MESH= 14
  GRP.  10 REQUIRED  10 ITERATIONS. MFD OF  8.10642E-05 OCCURRED IN INT.  88  COARSE MESH= 13
  GRP.  11 REQUIRED   9 ITERATIONS. MFD OF  1.58316E-04 OCCURRED IN INT.  90  COARSE MESH= 13
  GRP.  12 REQUIRED   9 ITERATIONS. MFD OF  7.65164E-05 OCCURRED IN INT.  92  COARSE MESH= 13
  GRP.  13 REQUIRED   7 ITERATIONS. MFD OF  1.89450E-04 OCCURRED IN INT.  90  COARSE MESH= 12
  GRP.  14 REQUIRED   9 ITERATIONS. MFD OF  1.08686E-04 OCCURRED IN INT.  94  COARSE MESH= 13
  GRP.  15 REQUIRED   9 ITERATIONS. MFD OF  1.28105E-04 OCCURRED IN INT.  99  COARSE MESH= 13
  GRP.  16 REQUIRED   9 ITERATIONS. MFD OF  9.37787E-05 OCCURRED IN INT.  98  COARSE MESH= 14
  GRP.  17 REQUIRED  10 ITERATIONS. MFD OF  7.91065E-05 OCCURRED IN INT.  80  COARSE MESH= 14
  GRP.  18 REQUIRED  10 ITERATIONS. MFD OF  1.05579E-04 OCCURRED IN INT.  75  COARSE MESH= 15
  GRP.  19 REQUIRED   9 ITERATIONS. MFD OF  1.38319E-04 OCCURRED IN INT.  81  COARSE MESH= 17
  GRP.  20 REQUIRED   9 ITERATIONS. MFD OF  5.18998E-05 OCCURRED IN INT.  82  COARSE MESH= 18
  GRP.  21 REQUIRED  10 ITERATIONS. MFD OF  1.61839E-04 OCCURRED IN INT.  76  COARSE MESH= 16
  GRP.  22 REQUIRED  10 ITERATIONS. MFD OF  1.12234E-04 OCCURRED IN INT.  78  COARSE MESH= 18
  GRP.  23 REQUIRED  10 ITERATIONS. MFD OF  9.99445E-05 OCCURRED IN INT.  86  COARSE MESH= 23
  GRP.  24 REQUIRED  11 ITERATIONS. MFD OF  1.81306E-04 OCCURRED IN INT.  83  COARSE MESH= 19
  GRP.  25 REQUIRED  10 ITERATIONS. MFD OF  1.13171E-04 OCCURRED IN INT.  87  COARSE MESH= 23
  GRP.  26 REQUIRED  13 ITERATIONS. MFD OF  9.90433E-05 OCCURRED IN INT.  82  COARSE MESH= 24
  GRP.  27 REQUIRED  12 ITERATIONS. MFD OF  1.15074E-04 OCCURRED IN INT.  83  COARSE MESH= 31
  GRP.  28 REQUIRED  11 ITERATIONS. MFD OF  1.83313E-04 OCCURRED IN INT.  86  COARSE MESH= 31
  GRP.  29 REQUIRED  13 ITERATIONS. MFD OF  1.05207E-04 OCCURRED IN INT.  84  COARSE MESH= 33
  GRP.  30 REQUIRED  11 ITERATIONS. MFD OF  1.58343E-04 OCCURRED IN INT.  57  COARSE MESH= 44
  GRP.  31 REQUIRED  10 ITERATIONS. MFD OF  1.42390E-04 OCCURRED IN INT.  86  COARSE MESH= 28
  GRP.  32 REQUIRED  10 ITERATIONS. MFD OF  1.38670E-04 OCCURRED IN INT.  85  COARSE MESH= 28
  GRP.  33 REQUIRED  11 ITERATIONS. MFD OF  1.87512E-04 OCCURRED IN INT.  86  COARSE MESH= 34
  GRP.  34 REQUIRED  13 ITERATIONS. MFD OF  1.01976E-04 OCCURRED IN INT.  74  COARSE MESH= 32
  GRP.  35 REQUIRED  13 ITERATIONS. MFD OF  1.03041E-04 OCCURRED IN INT.  83  COARSE MESH= 35
  GRP.  36 REQUIRED  12 ITERATIONS. MFD OF  1.90195E-04 OCCURRED IN INT.  81  COARSE MESH= 37
  GRP.  37 REQUIRED  13 ITERATIONS. MFD OF  1.90226E-04 OCCURRED IN INT.  75  COARSE MESH= 37
  GRP.  38 REQUIRED  14 ITERATIONS. MFD OF  1.44639E-04 OCCURRED IN INT.  56  COARSE MESH= 44
  GRP.  39 REQUIRED  14 ITERATIONS. MFD OF  1.37707E-04 OCCURRED IN INT.  75  COARSE MESH= 45
  GRP.  40 REQUIRED  14 ITERATIONS. MFD OF  1.29837E-04 OCCURRED IN INT.  89  COARSE MESH= 40
  GRP.  41 REQUIRED  13 ITERATIONS. MFD OF  1.29834E-04 OCCURRED IN INT.  81  COARSE MESH= 65
  GRP.  42 REQUIRED  13 ITERATIONS. MFD OF  1.02095E-04 OCCURRED IN INT.  80  COARSE MESH= 66
  GRP.  43 REQUIRED  13 ITERATIONS. MFD OF  1.27602E-04 OCCURRED IN INT.  81  COARSE MESH= 41
  GRP.  44 REQUIRED  13 ITERATIONS. MFD OF  1.05993E-04 OCCURRED IN INT.  81  COARSE MESH= 65
  GRP.  45 REQUIRED  13 ITERATIONS. MFD OF  1.00598E-04 OCCURRED IN INT.  81  COARSE MESH= 56
  GRP.  46 REQUIRED  14 ITERATIONS. MFD OF  1.98834E-04 OCCURRED IN INT.  81  COARSE MESH= 64
  GRP.  47 REQUIRED  19 ITERATIONS. MFD OF  1.99414E-04 OCCURRED IN INT.  87  COARSE MESH= 59
  GRP.  48 REQUIRED   4 ITERATIONS. MFD OF  2.99195E-05 OCCURRED IN INT.   5  COARSE MESH= 15
  GRP.  49 REQUIRED   4 ITERATIONS. MFD OF  3.11453E-05 OCCURRED IN INT. 323  COARSE MESH= 15
  GRP.  50 REQUIRED   4 ITERATIONS. MFD OF  1.33938E-05 OCCURRED IN INT. 291  COARSE MESH= 15
  GRP.  51 REQUIRED   4 ITERATIONS. MFD OF  9.52688E-06 OCCURRED IN INT. 302  COARSE MESH= 14
  GRP.  52 REQUIRED   4 ITERATIONS. MFD OF  3.94957E-05 OCCURRED IN INT. 217  COARSE MESH= 14
  GRP.  53 REQUIRED   4 ITERATIONS. MFD OF  1.95305E-04 OCCURRED IN INT. 191  COARSE MESH= 14
  GRP.  54 REQUIRED   5 ITERATIONS. MFD OF  1.58699E-04 OCCURRED IN INT. 183  COARSE MESH= 14
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 GRP.  55 REQUIRED   6 ITERATIONS. MFD OF  1.00714E-04 OCCURRED IN INT. 184  COARSE MESH= 16
 GRP.  56 REQUIRED   7 ITERATIONS. MFD OF  6.30263E-05 OCCURRED IN INT. 178  COARSE MESH= 17
 GRP.  57 REQUIRED   8 ITERATIONS. MFD OF  5.69507E-05 OCCURRED IN INT. 241  COARSE MESH= 21
 GRP.  58 REQUIRED   6 ITERATIONS. MFD OF  6.11644E-05 OCCURRED IN INT. 226  COARSE MESH= 24
 GRP.  59 REQUIRED   6 ITERATIONS. MFD OF  2.67273E-05 OCCURRED IN INT.  90  COARSE MESH= 28
 GRP.  60 REQUIRED   6 ITERATIONS. MFD OF  3.41160E-05 OCCURRED IN INT.  82  COARSE MESH= 34
 GRP.  61 REQUIRED   7 ITERATIONS. MFD OF  3.47664E-05 OCCURRED IN INT.  78  COARSE MESH= 43
 GRP.  62 REQUIRED   9 ITERATIONS. MFD OF  7.86601E-05 OCCURRED IN INT.  75  COARSE MESH= 60
 GRP.  63 REQUIRED   7 ITERATIONS. MFD OF  4.71549E-05 OCCURRED IN INT.  75  COARSE MESH= 73
 GRP.  64 REQUIRED   8 ITERATIONS. MFD OF  4.60404E-05 OCCURRED IN INT.  57  COARSE MESH= 75
 GRP.  65 REQUIRED   8 ITERATIONS. MFD OF  1.43631E-04 OCCURRED IN INT.  87  COARSE MESH= 75
 GRP.  66 REQUIRED   6 ITERATIONS. MFD OF  8.70726E-05 OCCURRED IN INT. 156  COARSE MESH= 78
 GRP.  67 REQUIRED   7 ITERATIONS. MFD OF  1.55795E-05 OCCURRED IN INT. 242  COARSE MESH= 84
     1   638   1.0000002E+00    .0000000E+00    .0000000E+00   1.0000000E+00   1.5305371E+00
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FINAL MONITOR

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  OUTER INNER      NEUT BAL    UPSCATER RATIO      EIGENVALUE        LAMBDA1          LAMBDA2
      1   638   1.0000002E+00    .0000000E+00    .0000000E+00   1.0000000E+00   1.5305371E+00
0 ****** OUTER ITERATION LIMIT REACHED
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 INT. ZONE NUMBER      RADIUS    INT. MIDPOINT      AREA          VOLUME      FISSION DENS
     1          1      .00000E+00  2.50000E-01   .00000E+00  7.85398E-01  1.72487E+03
     2          1     5.00000E-01  1.00000E+00  3.14159E+00  6.28319E+00  1.72505E+03
     3          1     1.50000E+00  2.67567E+00  9.42478E+00  3.95299E+01  1.72456E+03
     4          1     3.85133E+00  5.02700E+00  2.41986E+01  7.42682E+01  1.72298E+03
     5          1     6.20267E+00  7.37833E+00  3.89725E+01  1.09006E+02  1.72036E+03
     6          1     8.55400E+00  9.72967E+00  5.37464E+01  1.43745E+02  1.71678E+03
     7          1     1.09053E+01  1.20810E+01  6.85202E+01  1.78483E+02  1.71224E+03
     8          1     1.32567E+01  1.44323E+01  8.32941E+01  2.13221E+02  1.70675E+03
     9          1     1.56080E+01  1.67837E+01  9.80680E+01  2.47960E+02  1.70031E+03
    10          1     1.79593E+01  1.91350E+01  1.12842E+02  2.82698E+02  1.69289E+03
    11          1     2.03107E+01  2.14863E+01  1.27616E+02  3.17436E+02  1.68448E+03
    12          1     2.26620E+01  2.38377E+01  1.42390E+02  3.52174E+02  1.67505E+03
    13          1     2.50133E+01  2.61890E+01  1.57163E+02  3.86913E+02  1.66458E+03
    14          1     2.73647E+01  2.85403E+01  1.71937E+02  4.21651E+02  1.65302E+03
    15          1     2.97160E+01  3.08917E+01  1.86711E+02  4.56389E+02  1.64036E+03
    16          1     3.20673E+01  3.32430E+01  2.01485E+02  4.91128E+02  1.62653E+03
    17          1     3.44187E+01  3.55943E+01  2.16259E+02  5.25866E+02  1.61150E+03
    18          1     3.67700E+01  3.79457E+01  2.31033E+02  5.60604E+02  1.59522E+03
    19          1     3.91213E+01  4.02970E+01  2.45807E+02  5.95343E+02  1.57762E+03
    20          1     4.14727E+01  4.26483E+01  2.60580E+02  6.30081E+02  1.55863E+03
    21          1     4.38240E+01  4.49997E+01  2.75354E+02  6.64819E+02  1.53818E+03
    22          1     4.61753E+01  4.73510E+01  2.90128E+02  6.99558E+02  1.51618E+03
    23          1     4.85267E+01  4.97023E+01  3.04902E+02  7.34295E+02  1.49253E+03
    24          1     5.08780E+01  5.20537E+01  3.19676E+02  7.69034E+02  1.46712E+03
    25          1     5.32293E+01  5.44050E+01  3.34450E+02  8.03772E+02  1.43980E+03
    26          1     5.55807E+01  5.67563E+01  3.49224E+02  8.38509E+02  1.41043E+03
    27          1     5.79320E+01  5.91077E+01  3.63997E+02  8.73248E+02  1.37880E+03
    28          1     6.02833E+01  6.14590E+01  3.78771E+02  9.07987E+02  1.34466E+03
    29          1     6.26347E+01  6.38103E+01  3.93545E+02  9.42726E+02  1.30771E+03
    30          1     6.49860E+01  6.61617E+01  4.08319E+02  9.77463E+02  1.26747E+03
    31          1     6.73373E+01  6.85130E+01  4.23093E+02  1.01220E+03  1.22341E+03
    32          1     6.96887E+01  7.08643E+01  4.37867E+02  1.04694E+03  1.17554E+03
    33          1     7.20400E+01  7.27900E+01  4.52641E+02  6.86028E+02  1.13722E+03
    34          1     7.35400E+01  7.37900E+01  4.62065E+02  2.31818E+02  1.12226E+03
    35          2     7.40400E+01  7.43575E+01  4.65207E+02  2.96676E+02   .00000E+00
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36	2	7.46750E+01	7.49925E+01	4.69197E+02	2.99203E+02	.00000E+00
37	2	7.53100E+01	7.56275E+01	4.73187E+02	3.01742E+02	.00000E+00
38	2	7.59450E+01	7.62625E+01	4.77177E+02	3.04273E+02	.00000E+00
39	3	7.65800E+01	7.68300E+01	4.81166E+02	2.41369E+02	.00000E+00
40	3	7.70800E+01	7.73300E+01	4.84308E+02	2.42939E+02	.00000E+00
41	3	7.75800E+01	7.78300E+01	4.87450E+02	2.44510E+02	.00000E+00
42	4	7.80800E+01	7.83300E+01	4.90591E+02	2.46082E+02	.00000E+00
43	4	7.85800E+01	7.88300E+01	4.93733E+02	2.47652E+02	.00000E+00
44	4	7.90800E+01	7.93300E+01	4.96874E+02	2.49221E+02	.00000E+00
45	4	7.95800E+01	7.98300E+01	5.00016E+02	2.50795E+02	.00000E+00
46	5	8.00800E+01	8.03300E+01	5.03158E+02	2.52363E+02	.00000E+00
47	5	8.05800E+01	8.10800E+01	5.06299E+02	5.09441E+02	.00000E+00
48	5	8.15800E+01	8.20800E+01	5.12582E+02	5.15725E+02	.00000E+00
49	5	8.25800E+01	8.30800E+01	5.18865E+02	5.22008E+02	.00000E+00
50	5	8.35800E+01	8.40800E+01	5.25149E+02	5.28287E+02	.00000E+00
51	5	8.45800E+01	8.50800E+01	5.31432E+02	5.34570E+02	.00000E+00
52	5	8.55800E+01	8.60800E+01	5.37715E+02	5.40857E+02	.00000E+00
53	5	8.65800E+01	8.70800E+01	5.43998E+02	5.47141E+02	.00000E+00
54	5	8.75800E+01	8.80800E+01	5.50281E+02	5.53420E+02	.00000E+00
55	5	8.85800E+01	8.90800E+01	5.56565E+02	5.59707E+02	.00000E+00
56	5	8.95800E+01	8.98300E+01	5.62848E+02	2.82211E+02	.00000E+00
57	6	9.00800E+01	9.03300E+01	5.65989E+02	2.83779E+02	.00000E+00
58	6	9.05800E+01	9.08300E+01	5.69131E+02	2.85352E+02	.00000E+00
59	6	9.10800E+01	9.20800E+01	5.72273E+02	1.15711E+03	.00000E+00
60	6	9.30800E+01	9.41425E+01	5.84839E+02	1.25697E+03	.00000E+00
61	6	9.52050E+01	9.62675E+01	5.98191E+02	1.28534E+03	.00000E+00
62	6	9.73300E+01	9.83925E+01	6.11542E+02	1.31371E+03	.00000E+00
63	6	9.94550E+01	1.00517E+02	6.24894E+02	1.34209E+03	.00000E+00
64	6	1.01580E+02	1.02642E+02	6.38246E+02	1.37046E+03	.00000E+00
65	6	1.03705E+02	1.04767E+02	6.51598E+02	1.39883E+03	.00000E+00
66	6	1.05830E+02	1.06892E+02	6.64949E+02	1.42720E+03	.00000E+00
67	6	1.07955E+02	1.09017E+02	6.78301E+02	1.45557E+03	.00000E+00
68	6	1.10080E+02	1.11142E+02	6.91653E+02	1.48395E+03	.00000E+00
69	6	1.12205E+02	1.13267E+02	7.05005E+02	1.51232E+03	.00000E+00
70	6	1.14330E+02	1.15392E+02	7.18357E+02	1.54069E+03	.00000E+00
71	6	1.16455E+02	1.17517E+02	7.31708E+02	1.56907E+03	.00000E+00
72	6	1.18580E+02	1.19080E+02	7.45060E+02	7.48199E+02	.00000E+00
73	6	1.19580E+02	1.19830E+02	7.51343E+02	3.76457E+02	.00000E+00
74	7	1.20080E+02	1.20330E+02	7.54485E+02	3.78027E+02	.00000E+00
75	8	1.20580E+02	1.20838E+02	7.57626E+02	3.92281E+02	.00000E+00
76	8	1.21097E+02	1.21355E+02	7.60873E+02	3.93953E+02	.00000E+00
77	8	1.21613E+02	1.21872E+02	7.64119E+02	3.95637E+02	.00000E+00
78	8	1.22130E+02	1.22388E+02	7.67365E+02	3.97309E+02	.00000E+00
79	8	1.22647E+02	1.22905E+02	7.70612E+02	3.98988E+02	.00000E+00
80	8	1.23163E+02	1.23422E+02	7.73858E+02	4.00668E+02	.00000E+00
81	8	1.23680E+02	1.23938E+02	7.77104E+02	4.02340E+02	.00000E+00
82	8	1.24197E+02	1.24455E+02	7.80351E+02	4.04023E+02	.00000E+00
83	8	1.24713E+02	1.24972E+02	7.83597E+02	4.05691E+02	.00000E+00
84	8	1.25230E+02	1.25488E+02	7.86843E+02	4.07379E+02	.00000E+00
85	8	1.25747E+02	1.26005E+02	7.90090E+02	4.09055E+02	.00000E+00
86	8	1.26263E+02	1.26522E+02	7.93336E+02	4.10730E+02	.00000E+00
87	8	1.26780E+02	1.27038E+02	7.96582E+02	4.12402E+02	.00000E+00
88	8	1.27297E+02	1.27555E+02	7.99829E+02	4.14086E+02	.00000E+00
89	8	1.27813E+02	1.28072E+02	8.03075E+02	4.15762E+02	.00000E+00
90	9	1.28330E+02	1.28584E+02	8.06321E+02	4.10688E+02	.00000E+00
91	9	1.28838E+02	1.29092E+02	8.09515E+02	4.12316E+02	.00000E+00
92	9	1.29347E+02	1.29601E+02	8.12709E+02	4.13938E+02	.00000E+00
93	9	1.29855E+02	1.30109E+02	8.15903E+02	4.15570E+02	.00000E+00
94	9	1.30363E+02	1.30618E+02	8.19097E+02	4.17188E+02	.00000E+00
95	9	1.30872E+02	1.31126E+02	8.22291E+02	4.18805E+02	.00000E+00

96	9	1.31380E+02	1.31634E+02	8.25485E+02	4.20434E+02	.00000E+00
97	9	1.31888E+02	1.32143E+02	8.28679E+02	4.22055E+02	.00000E+00
98	9	1.32397E+02	1.32651E+02	8.31873E+02	4.23680E+02	.00000E+00
99	9	1.32905E+02	1.33159E+02	8.35067E+02	4.25301E+02	.00000E+00
100	9	1.33413E+02	1.33667E+02	8.38261E+02	4.26930E+02	.00000E+00
101	9	1.33922E+02	1.34176E+02	8.41455E+02	4.28563E+02	.00000E+00
102	9	1.34430E+02	1.34684E+02	8.44649E+02	4.30168E+02	.00000E+00
103	9	1.34938E+02	1.35193E+02	8.47843E+02	4.31801E+02	.00000E+00
104	9	1.35447E+02	1.35701E+02	8.51037E+02	4.33418E+02	.00000E+00
105	9	1.35955E+02	1.36209E+02	8.54230E+02	4.35047E+02	.00000E+00
106	9	1.36463E+02	1.36717E+02	8.57424E+02	4.36664E+02	.00000E+00
107	9	1.36972E+02	1.37226E+02	8.60618E+02	4.38293E+02	.00000E+00
108	9	1.37480E+02	1.37734E+02	8.63812E+02	4.39926E+02	.00000E+00
109	9	1.37988E+02	1.38243E+02	8.67006E+02	4.41543E+02	.00000E+00
110	9	1.38497E+02	1.38751E+02	8.70200E+02	4.43160E+02	.00000E+00
111	9	1.39005E+02	1.39259E+02	8.73394E+02	4.44785E+02	.00000E+00
112	9	1.39513E+02	1.39768E+02	8.76588E+02	4.46406E+02	.00000E+00
113	9	1.40022E+02	1.40276E+02	8.79782E+02	4.48035E+02	.00000E+00
114	9	1.40530E+02	1.40784E+02	8.82976E+02	4.49656E+02	.00000E+00
115	9	1.41038E+02	1.41292E+02	8.86170E+02	4.51281E+02	.00000E+00
116	9	1.41547E+02	1.41801E+02	8.89364E+02	4.52914E+02	.00000E+00
117	9	1.42055E+02	1.42309E+02	8.92558E+02	4.54527E+02	.00000E+00
118	9	1.42563E+02	1.42818E+02	8.95752E+02	4.56152E+02	.00000E+00
119	9	1.43072E+02	1.43326E+02	8.98946E+02	4.57770E+02	.00000E+00
120	10	1.43580E+02	1.43830E+02	9.02140E+02	4.51859E+02	.00000E+00
121	10	1.44080E+02	1.44330E+02	9.05281E+02	4.53426E+02	.00000E+00
122	11	1.44580E+02	1.44830E+02	9.08423E+02	4.55000E+02	.00000E+00
123	12	1.45080E+02	1.45330E+02	9.11565E+02	4.56563E+02	.00000E+00
124	12	1.45580E+02	1.46080E+02	9.14706E+02	9.17844E+02	.00000E+00
125	12	1.46580E+02	1.47580E+02	9.20989E+02	1.85455E+03	.00000E+00
126	12	1.48580E+02	1.50580E+02	9.33556E+02	3.78448E+03	.00000E+00
127	12	1.52580E+02	1.55236E+02	9.58688E+02	5.18170E+03	.00000E+00
128	12	1.57893E+02	1.60549E+02	9.92068E+02	5.35902E+03	.00000E+00
129	12	1.63205E+02	1.65861E+02	1.02545E+03	5.53635E+03	.00000E+00
130	12	1.68518E+02	1.71174E+02	1.05883E+03	5.71369E+03	.00000E+00
131	12	1.73830E+02	1.76486E+02	1.09221E+03	5.89101E+03	.00000E+00
132	12	1.79143E+02	1.81799E+02	1.12559E+03	6.06834E+03	.00000E+00
133	12	1.84455E+02	1.87111E+02	1.15896E+03	6.24566E+03	.00000E+00
134	12	1.89768E+02	1.92424E+02	1.19234E+03	6.42301E+03	.00000E+00
135	12	1.95080E+02	1.97580E+02	1.22572E+03	6.20716E+03	.00000E+00
136	12	2.00080E+02	2.02580E+02	1.25714E+03	6.36423E+03	.00000E+00
137	12	2.05080E+02	2.07580E+02	1.28856E+03	6.52131E+03	.00000E+00
138	12	2.10080E+02	2.12580E+02	1.31997E+03	6.67841E+03	.00000E+00
139	12	2.15080E+02	2.17580E+02	1.35139E+03	6.83547E+03	.00000E+00
140	12	2.20080E+02	2.22580E+02	1.38280E+03	6.99256E+03	.00000E+00
141	12	2.25080E+02	2.27580E+02	1.41422E+03	7.14964E+03	.00000E+00
142	12	2.30080E+02	2.32580E+02	1.44564E+03	7.30672E+03	.00000E+00
143	12	2.35080E+02	2.37580E+02	1.47705E+03	7.46380E+03	.00000E+00
144	12	2.40080E+02	2.42580E+02	1.50847E+03	7.62086E+03	.00000E+00
145	12	2.45080E+02	2.47580E+02	1.53988E+03	7.77797E+03	.00000E+00
146	12	2.50080E+02	2.52580E+02	1.57130E+03	7.93503E+03	.00000E+00
147	12	2.55080E+02	2.57580E+02	1.60271E+03	8.09208E+03	.00000E+00
148	12	2.60080E+02	2.62580E+02	1.63413E+03	8.24922E+03	.00000E+00
149	12	2.65080E+02	2.67580E+02	1.66555E+03	8.40627E+03	.00000E+00
150	12	2.70080E+02	2.72580E+02	1.69696E+03	8.56334E+03	.00000E+00
151	12	2.75080E+02	2.77580E+02	1.72838E+03	8.72045E+03	.00000E+00
152	12	2.80080E+02	2.82580E+02	1.75979E+03	8.87750E+03	.00000E+00
153	12	2.85080E+02	2.87580E+02	1.79121E+03	9.03459E+03	.00000E+00
154	12	2.90080E+02	2.92580E+02	1.82263E+03	9.19166E+03	.00000E+00
155	12	2.95080E+02	2.97580E+02	1.85404E+03	9.34878E+03	.00000E+00

156	12	3.00080E+02	3.02580E+02	1.88546E+03	9.50581E+03	.00000E+00
157	12	3.05080E+02	3.07580E+02	1.91687E+03	9.66291E+03	.00000E+00
158	12	3.10080E+02	3.12580E+02	1.94829E+03	9.82000E+03	.00000E+00
159	12	3.15080E+02	3.17580E+02	1.97971E+03	9.97706E+03	.00000E+00
160	12	3.20080E+02	3.22580E+02	2.01112E+03	1.01342E+04	.00000E+00
161	12	3.25080E+02	3.27580E+02	2.04254E+03	1.02913E+04	.00000E+00
162	12	3.30080E+02	3.32580E+02	2.07395E+03	1.04483E+04	.00000E+00
163	12	3.35080E+02	3.37580E+02	2.10537E+03	1.06054E+04	.00000E+00
164	12	3.40080E+02	3.42580E+02	2.13679E+03	1.07625E+04	.00000E+00
165	12	3.45080E+02	3.47580E+02	2.16820E+03	1.09195E+04	.00000E+00
166	12	3.50080E+02	3.52580E+02	2.19962E+03	1.10766E+04	.00000E+00
167	12	3.55080E+02	3.57580E+02	2.23103E+03	1.12337E+04	.00000E+00
168	12	3.60080E+02	3.62580E+02	2.26245E+03	1.13908E+04	.00000E+00
169	12	3.65080E+02	3.67580E+02	2.29387E+03	1.15479E+04	.00000E+00
170	12	3.70080E+02	3.72580E+02	2.32528E+03	1.17049E+04	.00000E+00
171	12	3.75080E+02	3.77580E+02	2.35670E+03	1.18621E+04	.00000E+00
172	12	3.80080E+02	3.82580E+02	2.38811E+03	1.20191E+04	.00000E+00
173	12	3.85080E+02	3.87580E+02	2.41953E+03	1.21762E+04	.00000E+00
174	12	3.90080E+02	3.92580E+02	2.45094E+03	1.23333E+04	.00000E+00
175	12	3.95080E+02	3.97580E+02	2.48236E+03	1.24904E+04	.00000E+00
176	12	4.00080E+02	4.02580E+02	2.51378E+03	1.26474E+04	.00000E+00
177	12	4.05080E+02	4.07580E+02	2.54519E+03	1.28045E+04	.00000E+00
178	12	4.10080E+02	4.12580E+02	2.57661E+03	1.29616E+04	.00000E+00
179	12	4.15080E+02	4.17580E+02	2.60802E+03	1.31186E+04	.00000E+00
180	12	4.20080E+02	4.22580E+02	2.63944E+03	1.32758E+04	.00000E+00
181	12	4.25080E+02	4.27580E+02	2.67086E+03	1.34328E+04	.00000E+00
182	12	4.30080E+02	4.32580E+02	2.70227E+03	1.35899E+04	.00000E+00
183	12	4.35080E+02	4.37580E+02	2.73369E+03	1.37470E+04	.00000E+00
184	12	4.40080E+02	4.42580E+02	2.76510E+03	1.39041E+04	.00000E+00
185	12	4.45080E+02	4.47580E+02	2.79652E+03	1.40611E+04	.00000E+00
186	12	4.50080E+02	4.52580E+02	2.82794E+03	1.42183E+04	.00000E+00
187	12	4.55080E+02	4.57580E+02	2.85935E+03	1.43753E+04	.00000E+00
188	12	4.60080E+02	4.62580E+02	2.89077E+03	1.45324E+04	.00000E+00
189	12	4.65080E+02	4.67580E+02	2.92218E+03	1.46894E+04	.00000E+00
190	12	4.70080E+02	4.72580E+02	2.95360E+03	1.48465E+04	.00000E+00
191	12	4.75080E+02	4.77580E+02	2.98502E+03	1.50037E+04	.00000E+00
192	12	4.80080E+02	4.82580E+02	3.01643E+03	1.51606E+04	.00000E+00
193	12	4.85080E+02	4.87580E+02	3.04785E+03	1.53178E+04	.00000E+00
194	12	4.90080E+02	4.92580E+02	3.07926E+03	1.54749E+04	.00000E+00
195	12	4.95080E+02	4.97580E+02	3.11068E+03	1.56319E+04	.00000E+00
196	12	5.00080E+02	5.02580E+02	3.14210E+03	1.57891E+04	.00000E+00
197	12	5.05080E+02	5.07580E+02	3.17351E+03	1.59461E+04	.00000E+00
198	12	5.10080E+02	5.12580E+02	3.20493E+03	1.61031E+04	.00000E+00
199	12	5.15080E+02	5.17580E+02	3.23634E+03	1.62603E+04	.00000E+00
200	12	5.20080E+02	5.22580E+02	3.26776E+03	1.64173E+04	.00000E+00
201	12	5.25080E+02	5.27580E+02	3.29917E+03	1.65744E+04	.00000E+00
202	12	5.30080E+02	5.32580E+02	3.33059E+03	1.67316E+04	.00000E+00
203	12	5.35080E+02	5.37580E+02	3.36201E+03	1.68886E+04	.00000E+00
204	12	5.40080E+02	5.42580E+02	3.39342E+03	1.70456E+04	.00000E+00
205	12	5.45080E+02	5.47580E+02	3.42484E+03	1.72028E+04	.00000E+00
206	12	5.50080E+02	5.52580E+02	3.45625E+03	1.73599E+04	.00000E+00
207	12	5.55080E+02	5.57580E+02	3.48767E+03	1.75168E+04	.00000E+00
208	12	5.60080E+02	5.62580E+02	3.51909E+03	1.76740E+04	.00000E+00
209	12	5.65080E+02	5.67580E+02	3.55050E+03	1.78311E+04	.00000E+00
210	12	5.70080E+02	5.72580E+02	3.58192E+03	1.79881E+04	.00000E+00
211	12	5.75080E+02	5.77580E+02	3.61333E+03	1.81453E+04	.00000E+00
212	12	5.80080E+02	5.82580E+02	3.64475E+03	1.83023E+04	.00000E+00
213	12	5.85080E+02	5.87580E+02	3.67617E+03	1.84594E+04	.00000E+00
214	12	5.90080E+02	5.92580E+02	3.70758E+03	1.86165E+04	.00000E+00
215	12	5.95080E+02	5.97580E+02	3.73900E+03	1.87734E+04	.00000E+00

216	12	6.00080E+02	6.02580E+02	3.77041E+03	1.89308E+04	.00000E+00
217	12	6.05080E+02	6.07580E+02	3.80183E+03	1.90876E+04	.00000E+00
218	12	6.10080E+02	6.12580E+02	3.83325E+03	1.92448E+04	.00000E+00
219	12	6.15080E+02	6.17580E+02	3.86466E+03	1.94019E+04	.00000E+00
220	12	6.20080E+02	6.22580E+02	3.89608E+03	1.95590E+04	.00000E+00
221	12	6.25080E+02	6.27580E+02	3.92749E+03	1.97159E+04	.00000E+00
222	12	6.30080E+02	6.32580E+02	3.95891E+03	1.98731E+04	.00000E+00
223	12	6.35080E+02	6.37580E+02	3.99033E+03	2.00301E+04	.00000E+00
224	12	6.40080E+02	6.42580E+02	4.02174E+03	2.01873E+04	.00000E+00
225	12	6.45080E+02	6.47580E+02	4.05316E+03	2.03444E+04	.00000E+00
226	12	6.50080E+02	6.52580E+02	4.08457E+03	2.05014E+04	.00000E+00
227	12	6.55080E+02	6.57580E+02	4.11599E+03	2.06585E+04	.00000E+00
228	12	6.60080E+02	6.62580E+02	4.14740E+03	2.08156E+04	.00000E+00
229	12	6.65080E+02	6.67580E+02	4.17882E+03	2.09726E+04	.00000E+00
230	12	6.70080E+02	6.72580E+02	4.21024E+03	2.11296E+04	.00000E+00
231	12	6.75080E+02	6.77580E+02	4.24165E+03	2.12869E+04	.00000E+00
232	12	6.80080E+02	6.82580E+02	4.27307E+03	2.14439E+04	.00000E+00
233	12	6.85080E+02	6.87580E+02	4.30448E+03	2.16010E+04	.00000E+00
234	12	6.90080E+02	6.92580E+02	4.33590E+03	2.17580E+04	.00000E+00
235	12	6.95080E+02	6.97580E+02	4.36732E+03	2.19153E+04	.00000E+00
236	12	7.00080E+02	7.02580E+02	4.39873E+03	2.20720E+04	.00000E+00
237	12	7.05080E+02	7.07580E+02	4.43015E+03	2.22294E+04	.00000E+00
238	12	7.10080E+02	7.12580E+02	4.46156E+03	2.23864E+04	.00000E+00
239	12	7.15080E+02	7.17580E+02	4.49298E+03	2.25434E+04	.00000E+00
240	12	7.20080E+02	7.22580E+02	4.52440E+03	2.27006E+04	.00000E+00
241	12	7.25080E+02	7.27580E+02	4.55581E+03	2.28575E+04	.00000E+00
242	12	7.30080E+02	7.32580E+02	4.58723E+03	2.30146E+04	.00000E+00
243	12	7.35080E+02	7.37580E+02	4.61864E+03	2.31719E+04	.00000E+00
244	12	7.40080E+02	7.42580E+02	4.65006E+03	2.33288E+04	.00000E+00
245	12	7.45080E+02	7.47580E+02	4.68148E+03	2.34860E+04	.00000E+00
246	12	7.50080E+02	7.52580E+02	4.71289E+03	2.36430E+04	.00000E+00
247	12	7.55080E+02	7.57580E+02	4.74431E+03	2.38000E+04	.00000E+00
248	12	7.60080E+02	7.62580E+02	4.77572E+03	2.39571E+04	.00000E+00
249	12	7.65080E+02	7.67580E+02	4.80714E+03	2.41143E+04	.00000E+00
250	12	7.70080E+02	7.72580E+02	4.83856E+03	2.42714E+04	.00000E+00
251	12	7.75080E+02	7.77580E+02	4.86997E+03	2.44285E+04	.00000E+00
252	12	7.80080E+02	7.82580E+02	4.90139E+03	2.45855E+04	.00000E+00
253	12	7.85080E+02	7.87580E+02	4.93280E+03	2.47424E+04	.00000E+00
254	12	7.90080E+02	7.92580E+02	4.96422E+03	2.48996E+04	.00000E+00
255	12	7.95080E+02	7.97580E+02	4.99563E+03	2.50568E+04	.00000E+00
256	12	8.00080E+02	8.02580E+02	5.02705E+03	2.52139E+04	.00000E+00
257	12	8.05080E+02	8.07580E+02	5.05847E+03	2.53709E+04	.00000E+00
258	12	8.10080E+02	8.12580E+02	5.08988E+03	2.55279E+04	.00000E+00
259	12	8.15080E+02	8.17580E+02	5.12130E+03	2.56851E+04	.00000E+00
260	12	8.20080E+02	8.22580E+02	5.15271E+03	2.58420E+04	.00000E+00
261	12	8.25080E+02	8.27580E+02	5.18413E+03	2.59993E+04	.00000E+00
262	12	8.30080E+02	8.32580E+02	5.21555E+03	2.61563E+04	.00000E+00
263	12	8.35080E+02	8.37580E+02	5.24696E+03	2.63135E+04	.00000E+00
264	12	8.40080E+02	8.42580E+02	5.27838E+03	2.64703E+04	.00000E+00
265	12	8.45080E+02	8.47580E+02	5.30979E+03	2.66275E+04	.00000E+00
266	12	8.50080E+02	8.52580E+02	5.34121E+03	2.67848E+04	.00000E+00
267	12	8.55080E+02	8.57580E+02	5.37263E+03	2.69415E+04	.00000E+00
268	12	8.60080E+02	8.62580E+02	5.40404E+03	2.70990E+04	.00000E+00
269	12	8.65080E+02	8.67580E+02	5.43546E+03	2.72555E+04	.00000E+00
270	12	8.70080E+02	8.72580E+02	5.46687E+03	2.74130E+04	.00000E+00
271	12	8.75080E+02	8.77580E+02	5.49829E+03	2.75700E+04	.00000E+00
272	12	8.80080E+02	8.82580E+02	5.52971E+03	2.77270E+04	.00000E+00
273	12	8.85080E+02	8.87580E+02	5.56112E+03	2.78843E+04	.00000E+00
274	12	8.90080E+02	8.92580E+02	5.59254E+03	2.80413E+04	.00000E+00
275	12	8.95080E+02	8.97580E+02	5.62395E+03	2.81983E+04	.00000E+00

276	12	9.00080E+02	9.02580E+02	5.65537E+03	2.83555E+04	.00000E+00
277	12	9.05080E+02	9.07580E+02	5.68679E+03	2.85125E+04	.00000E+00
278	12	9.10080E+02	9.12580E+02	5.71820E+03	2.86695E+04	.00000E+00
279	12	9.15080E+02	9.17580E+02	5.74962E+03	2.88268E+04	.00000E+00
280	12	9.20080E+02	9.22580E+02	5.78103E+03	2.89835E+04	.00000E+00
281	12	9.25080E+02	9.27580E+02	5.81245E+03	2.91408E+04	.00000E+00
282	12	9.30080E+02	9.32580E+02	5.84386E+03	2.92980E+04	.00000E+00
283	12	9.35080E+02	9.37580E+02	5.87528E+03	2.94548E+04	.00000E+00
284	12	9.40080E+02	9.42580E+02	5.90670E+03	2.96123E+04	.00000E+00
285	12	9.45080E+02	9.47580E+02	5.93811E+03	2.97690E+04	.00000E+00
286	12	9.50080E+02	9.52580E+02	5.96953E+03	2.99260E+04	.00000E+00
287	12	9.55080E+02	9.57580E+02	6.00094E+03	3.00835E+04	.00000E+00
288	12	9.60080E+02	9.62580E+02	6.03236E+03	3.02403E+04	.00000E+00
289	12	9.65080E+02	9.67580E+02	6.06378E+03	3.03975E+04	.00000E+00
290	12	9.70080E+02	9.72580E+02	6.09519E+03	3.05545E+04	.00000E+00
291	12	9.75080E+02	9.77580E+02	6.12661E+03	3.07115E+04	.00000E+00
292	12	9.80080E+02	9.82580E+02	6.15802E+03	3.08685E+04	.00000E+00
293	12	9.85080E+02	9.87580E+02	6.18944E+03	3.10260E+04	.00000E+00
294	12	9.90080E+02	9.92580E+02	6.22086E+03	3.11828E+04	.00000E+00
295	12	9.95080E+02	9.97580E+02	6.25227E+03	3.13400E+04	.00000E+00
296	12	1.00008E+03	1.00258E+03	6.28369E+03	3.14970E+04	.00000E+00
297	12	1.00508E+03	1.00758E+03	6.31510E+03	3.16538E+04	.00000E+00
298	12	1.01008E+03	1.01258E+03	6.34652E+03	3.18113E+04	.00000E+00
299	12	1.01508E+03	1.01758E+03	6.37794E+03	3.19683E+04	.00000E+00
300	12	1.02008E+03	1.02258E+03	6.40935E+03	3.21253E+04	.00000E+00
301	12	1.02508E+03	1.02758E+03	6.44077E+03	3.22825E+04	.00000E+00
302	12	1.03008E+03	1.03258E+03	6.47218E+03	3.24393E+04	.00000E+00
303	12	1.03508E+03	1.03758E+03	6.50360E+03	3.25968E+04	.00000E+00
304	12	1.04008E+03	1.04258E+03	6.53502E+03	3.27535E+04	.00000E+00
305	12	1.04508E+03	1.04758E+03	6.56643E+03	3.29108E+04	.00000E+00
306	12	1.05008E+03	1.05258E+03	6.59785E+03	3.30678E+04	.00000E+00
307	12	1.05508E+03	1.05758E+03	6.62926E+03	3.32250E+04	.00000E+00
308	12	1.06008E+03	1.06258E+03	6.66068E+03	3.33818E+04	.00000E+00
309	12	1.06508E+03	1.06758E+03	6.69209E+03	3.35390E+04	.00000E+00
310	12	1.07008E+03	1.07258E+03	6.72351E+03	3.36963E+04	.00000E+00
311	12	1.07508E+03	1.07758E+03	6.75493E+03	3.38533E+04	.00000E+00
312	12	1.08008E+03	1.08258E+03	6.78634E+03	3.40103E+04	.00000E+00
313	12	1.08508E+03	1.08758E+03	6.81776E+03	3.41670E+04	.00000E+00
314	12	1.09008E+03	1.09258E+03	6.84917E+03	3.43245E+04	.00000E+00
315	12	1.09508E+03	1.09758E+03	6.88059E+03	3.44815E+04	.00000E+00
316	12	1.10008E+03	1.10258E+03	6.91201E+03	3.46388E+04	.00000E+00
317	12	1.10508E+03	1.10758E+03	6.94342E+03	3.47958E+04	.00000E+00
318	12	1.11008E+03	1.11258E+03	6.97484E+03	3.49528E+04	.00000E+00
319	12	1.11508E+03	1.11758E+03	7.00625E+03	3.51095E+04	.00000E+00
320	12	1.12008E+03	1.12258E+03	7.03767E+03	3.52670E+04	.00000E+00
321	12	1.12508E+03	1.12758E+03	7.06909E+03	3.54240E+04	.00000E+00
322	12	1.13008E+03	1.13258E+03	7.10050E+03	3.55810E+04	.00000E+00
323	12	1.13508E+03	1.13758E+03	7.13192E+03	3.57383E+04	.00000E+00
324	12	1.14008E+03	1.14258E+03	7.16333E+03	3.58950E+04	.00000E+00
325		1.14508E+03		7.19475E+03		

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0 ACTIVITY MATERIAL POSITION DESCRIPTION

1	-21	57	ACT 1 GAMMA DOSE RATE (REM/HR)
2	-21	8	ACT 2 NEUTRON DOSE RATE (REM/HR)
3	-21	7	ACT 3 TOTAL DOSE RATE (REM/HR)

1 ACTIVITIES BY ZONE INCLUDING SUM OVER ALL ZONES IN LINE 13
0 ZONE ACT. 1 ACT. 2 ACT. 3

1	1.58314E+09	1.36782E+06	1.58451E+09
2	2.97296E+07	6.28328E+04	2.97924E+07
3	7.79902E+06	3.34675E+04	7.83249E+06

4	6.57364E+06	4.13425E+04	6.61498E+06
5	4.10606E+06	1.30063E+05	4.23613E+06
6	5.48946E+05	2.51792E+05	8.00738E+05
7	8.21932E+03	4.63343E+03	1.28527E+04
8	1.30436E+04	4.89949E+04	6.20385E+04
9	1.05069E+03	7.05482E+03	8.10551E+03
10	1.97888E+01	1.77581E+01	3.75469E+01
11	6.00193E+00	7.39033E+00	1.33923E+01
12	1.01294E+04	1.12840E+04	2.14134E+04
13	1.63193E+09	1.95933E+06	1.63389E+09

1 VOLUME AVERAGED ACTIVITIES BY ZONE INCLUDING SUM OVER ALL ZONES IN LINE 13

0 ZONE	ACT. 1	ACT. 2	ACT. 3
1	9.19259E+04	7.94229E+01	9.20053E+04
2	2.47356E+04	5.22782E+01	2.47879E+04
3	1.07009E+04	4.59202E+01	1.07468E+04
4	6.61499E+03	4.16025E+01	6.65659E+03
5	7.68102E+02	2.43302E+01	7.92432E+02
6	2.77146E+01	1.27122E+01	4.04268E+01
7	2.17426E+01	1.22569E+01	3.39995E+01
8	2.15230E+00	8.08456E+00	1.02369E+01
9	8.06545E-02	5.41553E-01	6.22208E-01
10	2.18592E-02	1.96160E-02	4.14752E-02
11	1.31911E-02	1.62425E-02	2.94335E-02
12	2.49913E-03	2.78400E-03	5.28315E-03
13	3.96168E+02	4.75648E-01	3.96644E+02

1 ACTIVITIES BY INTERVAL

INT.	ZONE	MIDPT.	ACT. 1	ACT. 2	ACT. 3
1	1	2.50000E-01	9.62774E+04	9.61301E+01	9.63735E+04
2	1	1.00000E+00	9.62774E+04	9.61350E+01	9.63735E+04
3	1	2.67567E+00	9.62772E+04	9.60995E+01	9.63733E+04
4	1	5.02700E+00	9.62770E+04	9.59990E+01	9.63730E+04
5	1	7.37833E+00	9.62764E+04	9.58365E+01	9.63722E+04
6	1	9.72967E+00	9.62757E+04	9.56146E+01	9.63713E+04
7	1	1.20810E+01	9.62746E+04	9.53337E+01	9.63699E+04
8	1	1.44323E+01	9.62732E+04	9.49934E+01	9.63682E+04
9	1	1.67837E+01	9.62713E+04	9.45932E+01	9.63659E+04
10	1	1.91350E+01	9.62690E+04	9.41320E+01	9.63631E+04
11	1	2.14863E+01	9.62657E+04	9.36088E+01	9.63593E+04
12	1	2.38377E+01	9.62618E+04	9.30222E+01	9.63548E+04
13	1	2.61890E+01	9.62563E+04	9.23710E+01	9.63486E+04
14	1	2.85403E+01	9.62495E+04	9.16534E+01	9.63411E+04
15	1	3.08917E+01	9.62400E+04	9.08677E+01	9.63309E+04
16	1	3.32430E+01	9.62281E+04	9.00120E+01	9.63181E+04
17	1	3.55943E+01	9.62114E+04	8.90841E+01	9.63005E+04
18	1	3.79457E+01	9.61900E+04	8.80816E+01	9.62780E+04
19	1	4.02970E+01	9.61597E+04	8.70019E+01	9.62467E+04
20	1	4.26483E+01	9.61200E+04	8.58421E+01	9.62058E+04
21	1	4.49997E+01	9.60632E+04	8.45990E+01	9.61478E+04
22	1	4.73510E+01	9.59862E+04	8.32689E+01	9.60695E+04
23	1	4.97023E+01	9.58743E+04	8.18477E+01	9.59561E+04
24	1	5.20537E+01	9.57174E+04	8.03308E+01	9.57977E+04
25	1	5.44050E+01	9.54831E+04	7.87128E+01	9.55618E+04
26	1	5.67563E+01	9.51409E+04	7.69871E+01	9.52179E+04
27	1	5.91077E+01	9.46115E+04	7.51455E+01	9.46866E+04
28	1	6.14590E+01	9.37971E+04	7.31776E+01	9.38703E+04
29	1	6.38103E+01	9.24740E+04	7.10687E+01	9.25450E+04
30	1	6.61617E+01	9.02848E+04	6.87969E+01	9.03536E+04
31	1	6.85130E+01	8.64722E+04	6.63273E+01	8.65385E+04
32	1	7.08643E+01	7.88193E+04	6.36015E+01	7.88829E+04
33	1	7.27900E+01	6.57681E+04	6.11518E+01	6.58292E+04

34	1	7.37900E+01	5.45762E+04	5.97808E+01	5.46359E+04
0					
35	2	7.43575E+01	4.15469E+04	5.74663E+01	4.16043E+04
36	2	7.49925E+01	2.65412E+04	5.37951E+01	2.65950E+04
37	2	7.56275E+01	1.82574E+04	5.05150E+01	1.83079E+04
38	2	7.62625E+01	1.29930E+04	4.74764E+01	1.30405E+04
0					
39	3	7.68300E+01	1.07757E+04	4.59725E+01	1.08217E+04
40	3	7.73300E+01	1.06994E+04	4.59161E+01	1.07453E+04
41	3	7.78300E+01	1.06286E+04	4.58726E+01	1.06744E+04
0					
42	4	7.83300E+01	9.37989E+03	4.47506E+01	9.42464E+03
43	4	7.88300E+01	7.23212E+03	4.25941E+01	7.27472E+03
44	4	7.93300E+01	5.58062E+03	4.05379E+01	5.62116E+03
45	4	7.98300E+01	4.32050E+03	3.85925E+01	4.35910E+03
0					
46	5	8.03300E+01	3.38066E+03	3.68622E+01	3.41753E+03
47	5	8.10800E+01	2.40895E+03	3.45828E+01	2.44353E+03
48	5	8.20800E+01	1.48423E+03	3.16959E+01	1.51593E+03
49	5	8.30800E+01	9.18156E+02	2.89900E+01	9.47146E+02
50	5	8.40800E+01	5.70440E+02	2.64450E+01	5.96885E+02
51	5	8.50800E+01	3.56193E+02	2.40449E+01	3.80238E+02
52	5	8.60800E+01	2.23379E+02	2.17742E+01	2.45153E+02
53	5	8.70800E+01	1.40754E+02	1.96155E+01	1.60369E+02
54	5	8.80800E+01	8.89630E+01	1.75446E+01	1.06508E+02
55	5	8.90800E+01	5.60807E+01	1.55090E+01	7.15897E+01
56	5	8.98300E+01	3.80267E+01	1.39593E+01	5.19860E+01
0					
57	6	9.03300E+01	3.27613E+01	1.34021E+01	4.61634E+01
58	6	9.08300E+01	3.25014E+01	1.33524E+01	4.58537E+01
59	6	9.20800E+01	3.19070E+01	1.32445E+01	4.51515E+01
60	6	9.41425E+01	3.10056E+01	1.30897E+01	4.40953E+01
61	6	9.62675E+01	3.01852E+01	1.29610E+01	4.31462E+01
62	6	9.83925E+01	2.94504E+01	1.28562E+01	4.23066E+01
63	6	1.00517E+02	2.87824E+01	1.27696E+01	4.15520E+01
64	6	1.02642E+02	2.81671E+01	1.26976E+01	4.08647E+01
65	6	1.04767E+02	2.75952E+01	1.26378E+01	4.02330E+01
66	6	1.06892E+02	2.70623E+01	1.25887E+01	3.96510E+01
67	6	1.09017E+02	2.65717E+01	1.25495E+01	3.91212E+01
68	6	1.11142E+02	2.61239E+01	1.25199E+01	3.86438E+01
69	6	1.13267E+02	2.57163E+01	1.25002E+01	3.82166E+01
70	6	1.15392E+02	2.53495E+01	1.24913E+01	3.78408E+01
71	6	1.17517E+02	2.50276E+01	1.24948E+01	3.75224E+01
72	6	1.19080E+02	2.48178E+01	1.25049E+01	3.73227E+01
73	6	1.19830E+02	2.47292E+01	1.25131E+01	3.72423E+01
0					
74	7	1.20330E+02	2.17426E+01	1.22569E+01	3.39995E+01
0					
75	8	1.20838E+02	1.24384E+01	1.17705E+01	2.42090E+01
76	8	1.21355E+02	6.77782E+00	1.13020E+01	1.80798E+01
77	8	1.21872E+02	4.38478E+00	1.08089E+01	1.51936E+01
78	8	1.22388E+02	2.88547E+00	1.03000E+01	1.31855E+01
79	8	1.22905E+02	1.97183E+00	9.78085E+00	1.17527E+01
80	8	1.23422E+02	1.35896E+00	9.25456E+00	1.06135E+01
81	8	1.23938E+02	9.52297E-01	8.72305E+00	9.67535E+00
82	8	1.24455E+02	6.70384E-01	8.18729E+00	8.85768E+00
83	8	1.24972E+02	4.76389E-01	7.64755E+00	8.12393E+00
84	8	1.25488E+02	3.39400E-01	7.10330E+00	7.44270E+00
85	8	1.26005E+02	2.43475E-01	6.55307E+00	6.79655E+00
86	8	1.26522E+02	1.74943E-01	5.99447E+00	6.16941E+00

87	8	1.27038E+02	1.26998E-01	5.42340E+00	5.55039E+00
88	8	1.27555E+02	9.30673E-02	4.83318E+00	4.92625E+00
89	8	1.28072E+02	8.12049E-02	4.21290E+00	4.29411E+00
0					
90	9	1.28584E+02	1.03091E-01	3.38476E+00	3.48785E+00
91	9	1.29092E+02	1.07243E-01	2.55613E+00	2.66338E+00
92	9	1.29601E+02	1.09806E-01	2.00688E+00	2.11669E+00
93	9	1.30109E+02	1.10971E-01	1.60287E+00	1.71384E+00
94	9	1.30618E+02	1.10913E-01	1.29189E+00	1.40281E+00
95	9	1.31126E+02	1.09863E-01	1.04744E+00	1.15731E+00
96	9	1.31634E+02	1.08049E-01	8.53077E-01	9.61126E-01
97	9	1.32143E+02	1.05669E-01	6.97470E-01	8.03139E-01
98	9	1.32651E+02	1.02893E-01	5.72310E-01	6.75203E-01
99	9	1.33159E+02	9.98558E-02	4.71276E-01	5.71131E-01
100	9	1.33667E+02	9.66626E-02	3.89464E-01	4.86127E-01
101	9	1.34176E+02	9.33939E-02	3.23021E-01	4.16414E-01
102	9	1.34684E+02	9.01108E-02	2.68904E-01	3.59015E-01
103	9	1.35193E+02	8.68567E-02	2.24696E-01	3.11553E-01
104	9	1.35701E+02	8.36608E-02	1.88471E-01	2.72132E-01
105	9	1.36209E+02	8.05413E-02	1.58694E-01	2.39235E-01
106	9	1.36717E+02	7.75081E-02	1.34136E-01	2.11644E-01
107	9	1.37226E+02	7.45647E-02	1.13815E-01	1.88379E-01
108	9	1.37734E+02	7.17102E-02	9.69422E-02	1.68652E-01
109	9	1.38243E+02	6.89399E-02	8.28857E-02	1.51826E-01
110	9	1.38751E+02	6.62475E-02	7.11362E-02	1.37384E-01
111	9	1.39259E+02	6.36242E-02	6.12829E-02	1.24907E-01
112	9	1.39768E+02	6.10600E-02	5.29946E-02	1.14055E-01
113	9	1.40276E+02	5.85436E-02	4.60035E-02	1.04547E-01
114	9	1.40784E+02	5.60618E-02	4.00942E-02	9.61559E-02
115	9	1.41292E+02	5.36008E-02	3.50937E-02	8.86945E-02
116	9	1.41801E+02	5.11434E-02	3.08676E-02	8.20109E-02
117	9	1.42309E+02	4.86682E-02	2.73180E-02	7.59862E-02
118	9	1.42818E+02	4.61499E-02	2.43951E-02	7.05450E-02
119	9	1.43326E+02	4.35568E-02	2.21357E-02	6.56925E-02
0					
120	10	1.43830E+02	2.72240E-02	2.04484E-02	4.76724E-02
121	10	1.44330E+02	1.65129E-02	1.87865E-02	3.52994E-02
0					
122	11	1.44830E+02	1.31911E-02	1.62425E-02	2.94335E-02
0					
123	12	1.45330E+02	1.20974E-02	1.45694E-02	2.66668E-02
124	12	1.46080E+02	1.20050E-02	1.44071E-02	2.64121E-02
125	12	1.47580E+02	1.18292E-02	1.41054E-02	2.59346E-02
126	12	1.50580E+02	1.15077E-02	1.35757E-02	2.50834E-02
127	12	1.55236E+02	1.10607E-02	1.28797E-02	2.39404E-02
128	12	1.60549E+02	1.06082E-02	1.22198E-02	2.28280E-02
129	12	1.65861E+02	1.02048E-02	1.16657E-02	2.18704E-02
130	12	1.71174E+02	9.83918E-03	1.11846E-02	2.10238E-02
131	12	1.76486E+02	9.50416E-03	1.07576E-02	2.02617E-02
132	12	1.81799E+02	9.19476E-03	1.03727E-02	1.95674E-02
133	12	1.87111E+02	8.90744E-03	1.00218E-02	1.89293E-02
134	12	1.92424E+02	8.63946E-03	9.69944E-03	1.83389E-02
135	12	1.97580E+02	8.39554E-03	9.40947E-03	1.78050E-02
136	12	2.02580E+02	8.17307E-03	9.14762E-03	1.73207E-02
137	12	2.07580E+02	7.96294E-03	8.90230E-03	1.68652E-02
138	12	2.12580E+02	7.76405E-03	8.67171E-03	1.64358E-02
139	12	2.17580E+02	7.57544E-03	8.45436E-03	1.60298E-02
140	12	2.22580E+02	7.39627E-03	8.24900E-03	1.56453E-02
141	12	2.27580E+02	7.22580E-03	8.05451E-03	1.52803E-02
142	12	2.32580E+02	7.06337E-03	7.86996E-03	1.49333E-02

143	12	2.37580E+02	6.90838E-03	7.69452E-03	1.46029E-02
144	12	2.42580E+02	6.76032E-03	7.52746E-03	1.42878E-02
145	12	2.47580E+02	6.61868E-03	7.36813E-03	1.39868E-02
146	12	2.52580E+02	6.48306E-03	7.21595E-03	1.36990E-02
147	12	2.57580E+02	6.35305E-03	7.07042E-03	1.34235E-02
148	12	2.62580E+02	6.22830E-03	6.93106E-03	1.31594E-02
149	12	2.67580E+02	6.10848E-03	6.79746E-03	1.29059E-02
150	12	2.72580E+02	5.99330E-03	6.66924E-03	1.26625E-02
151	12	2.77580E+02	5.88248E-03	6.54605E-03	1.24285E-02
152	12	2.82580E+02	5.77578E-03	6.42759E-03	1.22034E-02
153	12	2.87580E+02	5.67294E-03	6.31357E-03	1.19865E-02
154	12	2.92580E+02	5.57378E-03	6.20373E-03	1.17775E-02
155	12	2.97580E+02	5.47807E-03	6.09781E-03	1.15759E-02
156	12	3.02580E+02	5.38563E-03	5.99562E-03	1.13813E-02
157	12	3.07580E+02	5.29631E-03	5.89692E-03	1.11932E-02
158	12	3.12580E+02	5.20993E-03	5.80156E-03	1.10115E-02
159	12	3.17580E+02	5.12636E-03	5.70933E-03	1.08357E-02
160	12	3.22580E+02	5.04545E-03	5.62009E-03	1.06655E-02
161	12	3.27580E+02	4.96707E-03	5.53368E-03	1.05008E-02
162	12	3.32580E+02	4.89110E-03	5.44997E-03	1.03411E-02
163	12	3.37580E+02	4.81744E-03	5.36882E-03	1.01863E-02
164	12	3.42580E+02	4.74598E-03	5.29010E-03	1.00361E-02
165	12	3.47580E+02	4.67663E-03	5.21372E-03	9.89034E-03
166	12	3.52580E+02	4.60928E-03	5.13955E-03	9.74882E-03
167	12	3.57580E+02	4.54384E-03	5.06750E-03	9.61134E-03
168	12	3.62580E+02	4.48027E-03	4.99747E-03	9.47774E-03
169	12	3.67580E+02	4.41845E-03	4.92939E-03	9.34784E-03
170	12	3.72580E+02	4.35832E-03	4.86316E-03	9.22148E-03
171	12	3.77580E+02	4.29983E-03	4.79870E-03	9.09853E-03
172	12	3.82580E+02	4.24288E-03	4.73594E-03	8.97882E-03
173	12	3.87580E+02	4.18742E-03	4.67482E-03	8.86224E-03
174	12	3.92580E+02	4.13340E-03	4.61527E-03	8.74866E-03
175	12	3.97580E+02	4.08073E-03	4.55722E-03	8.63795E-03
176	12	4.02580E+02	4.02938E-03	4.50061E-03	8.52999E-03
177	12	4.07580E+02	3.97929E-03	4.44540E-03	8.42469E-03
178	12	4.12580E+02	3.93043E-03	4.39152E-03	8.32195E-03
179	12	4.17580E+02	3.88276E-03	4.33893E-03	8.22169E-03
180	12	4.22580E+02	3.83622E-03	4.28758E-03	8.12380E-03
181	12	4.27580E+02	3.79077E-03	4.23743E-03	8.02819E-03
182	12	4.32580E+02	3.74637E-03	4.18843E-03	7.93480E-03
183	12	4.37580E+02	3.70302E-03	4.14054E-03	7.84355E-03
184	12	4.42580E+02	3.66064E-03	4.09372E-03	7.75436E-03
185	12	4.47580E+02	3.61920E-03	4.04793E-03	7.66714E-03
186	12	4.52580E+02	3.57869E-03	4.00315E-03	7.58183E-03
187	12	4.57580E+02	3.53907E-03	3.95933E-03	7.49840E-03
188	12	4.62580E+02	3.50032E-03	3.91645E-03	7.41677E-03
189	12	4.67580E+02	3.46238E-03	3.87447E-03	7.33685E-03
190	12	4.72580E+02	3.42525E-03	3.83336E-03	7.25861E-03
191	12	4.77580E+02	3.38891E-03	3.79310E-03	7.18201E-03
192	12	4.82580E+02	3.35333E-03	3.75366E-03	7.10699E-03
193	12	4.87580E+02	3.31846E-03	3.71501E-03	7.03347E-03
194	12	4.92580E+02	3.28432E-03	3.67713E-03	6.96144E-03
195	12	4.97580E+02	3.25086E-03	3.63999E-03	6.89085E-03
196	12	5.02580E+02	3.21805E-03	3.60358E-03	6.82163E-03
197	12	5.07580E+02	3.18590E-03	3.56787E-03	6.75377E-03
198	12	5.12580E+02	3.15438E-03	3.53283E-03	6.68721E-03
199	12	5.17580E+02	3.12345E-03	3.49846E-03	6.62191E-03
200	12	5.22580E+02	3.09313E-03	3.46472E-03	6.55786E-03
201	12	5.27580E+02	3.06338E-03	3.43161E-03	6.49500E-03
202	12	5.32580E+02	3.03418E-03	3.39911E-03	6.43329E-03

203	12	5.37580E+02	3.00553E-03	3.36719E-03	6.37272E-03
204	12	5.42580E+02	2.97741E-03	3.33584E-03	6.31325E-03
205	12	5.47580E+02	2.94979E-03	3.30504E-03	6.25484E-03
206	12	5.52580E+02	2.92268E-03	3.27479E-03	6.19747E-03
207	12	5.57580E+02	2.89606E-03	3.24506E-03	6.14112E-03
208	12	5.62580E+02	2.86989E-03	3.21584E-03	6.08573E-03
209	12	5.67580E+02	2.84420E-03	3.18711E-03	6.03131E-03
210	12	5.72580E+02	2.81895E-03	3.15888E-03	5.97782E-03
211	12	5.77580E+02	2.79413E-03	3.13111E-03	5.92523E-03
212	12	5.82580E+02	2.76974E-03	3.10380E-03	5.87354E-03
213	12	5.87580E+02	2.74576E-03	3.07694E-03	5.82270E-03
214	12	5.92580E+02	2.72217E-03	3.05051E-03	5.77269E-03
215	12	5.97580E+02	2.69899E-03	3.02451E-03	5.72351E-03
216	12	6.02580E+02	2.67619E-03	2.99893E-03	5.67512E-03
217	12	6.07580E+02	2.65376E-03	2.97375E-03	5.62751E-03
218	12	6.12580E+02	2.63170E-03	2.94896E-03	5.58066E-03
219	12	6.17580E+02	2.60998E-03	2.92455E-03	5.53453E-03
220	12	6.22580E+02	2.58861E-03	2.90053E-03	5.48914E-03
221	12	6.27580E+02	2.56759E-03	2.87686E-03	5.44445E-03
222	12	6.32580E+02	2.54689E-03	2.85356E-03	5.40045E-03
223	12	6.37580E+02	2.52651E-03	2.83060E-03	5.35711E-03
224	12	6.42580E+02	2.50644E-03	2.80798E-03	5.31442E-03
225	12	6.47580E+02	2.48669E-03	2.78570E-03	5.27239E-03
226	12	6.52580E+02	2.46725E-03	2.76374E-03	5.23099E-03
227	12	6.57580E+02	2.44809E-03	2.74210E-03	5.19018E-03
228	12	6.62580E+02	2.42921E-03	2.72077E-03	5.14998E-03
229	12	6.67580E+02	2.41062E-03	2.69974E-03	5.11036E-03
230	12	6.72580E+02	2.39230E-03	2.67901E-03	5.07131E-03
231	12	6.77580E+02	2.37424E-03	2.65857E-03	5.03281E-03
232	12	6.82580E+02	2.35645E-03	2.63841E-03	4.99486E-03
233	12	6.87580E+02	2.33891E-03	2.61853E-03	4.95744E-03
234	12	6.92580E+02	2.32162E-03	2.59892E-03	4.92054E-03
235	12	6.97580E+02	2.30458E-03	2.57957E-03	4.88415E-03
236	12	7.02580E+02	2.28778E-03	2.56049E-03	4.84827E-03
237	12	7.07580E+02	2.27121E-03	2.54166E-03	4.81287E-03
238	12	7.12580E+02	2.25487E-03	2.52307E-03	4.77795E-03
239	12	7.17580E+02	2.23875E-03	2.50473E-03	4.74349E-03
240	12	7.22580E+02	2.22286E-03	2.48663E-03	4.70949E-03
241	12	7.27580E+02	2.20718E-03	2.46877E-03	4.67595E-03
242	12	7.32580E+02	2.19171E-03	2.45113E-03	4.64284E-03
243	12	7.37580E+02	2.17645E-03	2.43371E-03	4.61016E-03
244	12	7.42580E+02	2.16139E-03	2.41652E-03	4.57791E-03
245	12	7.47580E+02	2.14654E-03	2.39954E-03	4.54608E-03
246	12	7.52580E+02	2.13187E-03	2.38277E-03	4.51464E-03
247	12	7.57580E+02	2.11739E-03	2.36621E-03	4.48360E-03
248	12	7.62580E+02	2.10310E-03	2.34984E-03	4.45295E-03
249	12	7.67580E+02	2.08899E-03	2.33368E-03	4.42267E-03
250	12	7.72580E+02	2.07506E-03	2.31771E-03	4.39277E-03
251	12	7.77580E+02	2.06131E-03	2.30194E-03	4.36324E-03
252	12	7.82580E+02	2.04773E-03	2.28634E-03	4.33407E-03
253	12	7.87580E+02	2.03431E-03	2.27094E-03	4.30525E-03
254	12	7.92580E+02	2.02106E-03	2.25571E-03	4.27677E-03
255	12	7.97580E+02	2.00799E-03	2.24066E-03	4.24865E-03
256	12	8.02580E+02	1.99507E-03	2.22578E-03	4.22085E-03
257	12	8.07580E+02	1.98231E-03	2.21107E-03	4.19338E-03
258	12	8.12580E+02	1.96971E-03	2.19653E-03	4.16624E-03
259	12	8.17580E+02	1.95727E-03	2.18215E-03	4.13942E-03
260	12	8.22580E+02	1.94496E-03	2.16793E-03	4.11289E-03
261	12	8.27580E+02	1.93280E-03	2.15386E-03	4.08666E-03
262	12	8.32580E+02	1.92077E-03	2.13996E-03	4.06073E-03

263	12	8.37580E+02	1.90889E-03	2.12620E-03	4.03509E-03
264	12	8.42580E+02	1.89714E-03	2.11259E-03	4.00973E-03
265	12	8.47580E+02	1.88552E-03	2.09913E-03	3.98466E-03
266	12	8.52580E+02	1.87403E-03	2.08582E-03	3.95985E-03
267	12	8.57580E+02	1.86267E-03	2.07264E-03	3.93531E-03
268	12	8.62580E+02	1.85145E-03	2.05960E-03	3.91105E-03
269	12	8.67580E+02	1.84036E-03	2.04670E-03	3.88706E-03
270	12	8.72580E+02	1.82939E-03	2.03393E-03	3.86332E-03
271	12	8.77580E+02	1.81854E-03	2.02129E-03	3.83983E-03
272	12	8.82580E+02	1.80781E-03	2.00878E-03	3.81659E-03
273	12	8.87580E+02	1.79720E-03	1.99640E-03	3.79359E-03
274	12	8.92580E+02	1.78670E-03	1.98414E-03	3.77084E-03
275	12	8.97580E+02	1.77631E-03	1.97200E-03	3.74831E-03
276	12	9.02580E+02	1.76604E-03	1.95999E-03	3.72603E-03
277	12	9.07580E+02	1.75588E-03	1.94809E-03	3.70396E-03
278	12	9.12580E+02	1.74583E-03	1.93630E-03	3.68213E-03
279	12	9.17580E+02	1.73588E-03	1.92463E-03	3.66051E-03
280	12	9.22580E+02	1.72604E-03	1.91307E-03	3.63912E-03
281	12	9.27580E+02	1.71631E-03	1.90162E-03	3.61793E-03
282	12	9.32580E+02	1.70667E-03	1.89028E-03	3.59695E-03
283	12	9.37580E+02	1.69713E-03	1.87905E-03	3.57618E-03
284	12	9.42580E+02	1.68769E-03	1.86791E-03	3.55560E-03
285	12	9.47580E+02	1.67835E-03	1.85688E-03	3.53523E-03
286	12	9.52580E+02	1.66910E-03	1.84595E-03	3.51505E-03
287	12	9.57580E+02	1.65994E-03	1.83512E-03	3.49507E-03
288	12	9.62580E+02	1.65088E-03	1.82439E-03	3.47527E-03
289	12	9.67580E+02	1.64191E-03	1.81375E-03	3.45565E-03
290	12	9.72580E+02	1.63302E-03	1.80320E-03	3.43622E-03
291	12	9.77580E+02	1.62422E-03	1.79274E-03	3.41697E-03
292	12	9.82580E+02	1.61551E-03	1.78238E-03	3.39789E-03
293	12	9.87580E+02	1.60689E-03	1.77210E-03	3.37899E-03
294	12	9.92580E+02	1.59834E-03	1.76191E-03	3.36025E-03
295	12	9.97580E+02	1.58988E-03	1.75181E-03	3.34169E-03
296	12	1.00258E+03	1.58150E-03	1.74178E-03	3.32328E-03
297	12	1.00758E+03	1.57320E-03	1.73184E-03	3.30504E-03
298	12	1.01258E+03	1.56498E-03	1.72198E-03	3.28696E-03
299	12	1.01758E+03	1.55683E-03	1.71220E-03	3.26903E-03
300	12	1.02258E+03	1.54876E-03	1.70249E-03	3.25125E-03
301	12	1.02758E+03	1.54077E-03	1.69286E-03	3.23363E-03
302	12	1.03258E+03	1.53284E-03	1.68331E-03	3.21615E-03
303	12	1.03758E+03	1.52499E-03	1.67382E-03	3.19881E-03
304	12	1.04258E+03	1.51722E-03	1.66441E-03	3.18162E-03
305	12	1.04758E+03	1.50951E-03	1.65506E-03	3.16457E-03
306	12	1.05258E+03	1.50188E-03	1.64578E-03	3.14766E-03
307	12	1.05758E+03	1.49431E-03	1.63657E-03	3.13088E-03
308	12	1.06258E+03	1.48681E-03	1.62742E-03	3.11423E-03
309	12	1.06758E+03	1.47938E-03	1.61833E-03	3.09771E-03
310	12	1.07258E+03	1.47201E-03	1.60931E-03	3.08132E-03
311	12	1.07758E+03	1.46470E-03	1.60034E-03	3.06505E-03
312	12	1.08258E+03	1.45746E-03	1.59143E-03	3.04889E-03
313	12	1.08758E+03	1.45027E-03	1.58258E-03	3.03285E-03
314	12	1.09258E+03	1.44315E-03	1.57378E-03	3.01693E-03
315	12	1.09758E+03	1.43608E-03	1.56503E-03	3.00111E-03
316	12	1.10258E+03	1.42908E-03	1.55633E-03	2.98541E-03
317	12	1.10758E+03	1.42213E-03	1.54768E-03	2.96981E-03
318	12	1.11258E+03	1.41523E-03	1.53907E-03	2.95430E-03
319	12	1.11758E+03	1.40839E-03	1.53051E-03	2.93891E-03
320	12	1.12258E+03	1.40161E-03	1.52199E-03	2.92360E-03
321	12	1.12758E+03	1.39487E-03	1.51352E-03	2.90839E-03
322	12	1.13258E+03	1.38819E-03	1.50507E-03	2.89327E-03

323	12	1.13758E+03	1.38156E-03	1.49667E-03	2.87823E-03
324	12	1.14258E+03	1.37498E-03	1.48829E-03	2.86328E-03

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0 TOTAL FLUX - G=GROUP NO. N= 0

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	.00000E+00	2.25041E+01	1.98294E+02	3.26907E+02	1.01834E+03	6.45323E+03	1.42791E+04	2.00917E+04
2	1	1.00000E+00	.00000E+00	2.25100E+01	1.98344E+02	3.26993E+02	1.01859E+03	6.45494E+03	1.42824E+04	2.00954E+04
3	1	2.67567E+00	.00000E+00	2.25082E+01	1.98328E+02	3.26965E+02	1.01850E+03	6.45430E+03	1.42804E+04	2.00911E+04
4	1	5.02700E+00	.00000E+00	2.24934E+01	1.98197E+02	3.26738E+02	1.01780E+03	6.44965E+03	1.42693E+04	2.00737E+04
5	1	7.37833E+00	.00000E+00	2.24659E+01	1.97954E+02	3.26318E+02	1.01651E+03	6.44113E+03	1.42498E+04	2.00440E+04
6	1	9.72967E+00	.00000E+00	2.24277E+01	1.97615E+02	3.25733E+02	1.01471E+03	6.42929E+03	1.42227E+04	2.00032E+04
7	1	1.20810E+01	.00000E+00	2.23793E+01	1.97186E+02	3.24991E+02	1.01243E+03	6.41430E+03	1.41886E+04	1.99518E+04
8	1	1.44323E+01	.00000E+00	2.23209E+01	1.96667E+02	3.24094E+02	1.00968E+03	6.39620E+03	1.41473E+04	1.98897E+04
9	1	1.67837E+01	.00000E+00	2.22522E+01	1.96057E+02	3.23039E+02	1.00644E+03	6.37492E+03	1.40988E+04	1.98165E+04
10	1	1.91350E+01	.00000E+00	2.21729E+01	1.95351E+02	3.21820E+02	1.00269E+03	6.35036E+03	1.40428E+04	1.97320E+04
11	1	2.14863E+01	.00000E+00	2.20825E+01	1.94547E+02	3.20431E+02	9.98424E+02	6.32238E+03	1.39790E+04	1.96356E+04
12	1	2.38377E+01	.00000E+00	2.19802E+01	1.93637E+02	3.18861E+02	9.93595E+02	6.29078E+03	1.39069E+04	1.95266E+04
13	1	2.61890E+01	.00000E+00	2.18654E+01	1.92614E+02	3.17099E+02	9.88173E+02	6.25533E+03	1.38259E+04	1.94045E+04
14	1	2.85403E+01	.00000E+00	2.17369E+01	1.91470E+02	3.15130E+02	9.82112E+02	6.21577E+03	1.37356E+04	1.92682E+04
15	1	3.08917E+01	.00000E+00	2.15938E+01	1.90195E+02	3.12938E+02	9.75362E+02	6.17176E+03	1.36352E+04	1.91169E+04
16	1	3.32430E+01	.00000E+00	2.14346E+01	1.88778E+02	3.10504E+02	9.67862E+02	6.12295E+03	1.35239E+04	1.89494E+04
17	1	3.55943E+01	.00000E+00	2.12578E+01	1.87204E+02	3.07806E+02	9.59543E+02	6.06891E+03	1.34007E+04	1.87644E+04
18	1	3.79457E+01	.00000E+00	2.10617E+01	1.85458E+02	3.04818E+02	9.50325E+02	6.00913E+03	1.32646E+04	1.85606E+04
19	1	4.02970E+01	.00000E+00	2.08441E+01	1.83521E+02	3.01511E+02	9.40115E+02	5.94305E+03	1.31143E+04	1.83361E+04
20	1	4.26483E+01	.00000E+00	2.06026E+01	1.81372E+02	2.97849E+02	9.28802E+02	5.87000E+03	1.29483E+04	1.80890E+04
21	1	4.49997E+01	.00000E+00	2.03344E+01	1.78985E+02	2.93791E+02	9.16260E+02	5.78918E+03	1.27650E+04	1.78172E+04
22	1	4.73510E+01	.00000E+00	2.00360E+01	1.76331E+02	2.89289E+02	9.02336E+02	5.69969E+03	1.25624E+04	1.75179E+04
23	1	4.97023E+01	.00000E+00	1.97034E+01	1.73373E+02	2.84285E+02	8.86849E+02	5.60041E+03	1.23382E+04	1.71882E+04
24	1	5.20537E+01	.00000E+00	1.93315E+01	1.70067E+02	2.78709E+02	8.69579E+02	5.49000E+03	1.20893E+04	1.68242E+04
25	1	5.44050E+01	.00000E+00	1.89141E+01	1.66359E+02	2.72473E+02	8.50254E+02	5.36680E+03	1.18124E+04	1.64216E+04
26	1	5.67563E+01	.00000E+00	1.84434E+01	1.62179E+02	2.65468E+02	8.28529E+02	5.22875E+03	1.15030E+04	1.59747E+04
27	1	5.91077E+01	.00000E+00	1.79087E+01	1.57435E+02	2.57550E+02	8.03955E+02	5.07309E+03	1.11553E+04	1.54765E+04
28	1	6.14590E+01	.00000E+00	1.72958E+01	1.52003E+02	2.48522E+02	7.75916E+02	4.89611E+03	1.07616E+04	1.49171E+04
29	1	6.38103E+01	.00000E+00	1.65836E+01	1.45700E+02	2.38101E+02	7.43524E+02	4.69245E+03	1.03104E+04	1.42827E+04
30	1	6.61617E+01	.00000E+00	1.57389E+01	1.38240E+02	2.25847E+02	7.05403E+02	4.45379E+03	9.78423E+03	1.35521E+04
31	1	6.85130E+01	.00000E+00	1.47050E+01	1.29140E+02	2.11020E+02	6.59224E+02	4.16611E+03	9.15340E+03	1.26891E+04
32	1	7.08643E+01	.00000E+00	1.33756E+01	1.17491E+02	1.92250E+02	6.00670E+02	3.80353E+03	8.36233E+03	1.16256E+04
33	1	7.27900E+01	.00000E+00	1.19910E+01	1.05412E+02	1.72987E+02	5.40478E+02	3.43279E+03	7.55590E+03	1.05568E+04
34	1	7.37900E+01	.00000E+00	1.11181E+01	9.78218E+01	1.60981E+02	5.02904E+02	3.20230E+03	7.05517E+03	9.89939E+03
0										
35	2	7.43575E+01	.00000E+00	9.74438E+00	8.56245E+01	1.41080E+02	4.38717E+02	2.78546E+03	6.15524E+03	8.75505E+03
36	2	7.49925E+01	.00000E+00	7.82125E+00	6.85462E+01	1.13063E+02	3.48466E+02	2.19586E+03	4.87991E+03	7.11367E+03
37	2	7.56275E+01	.00000E+00	6.43989E+00	5.63848E+01	9.31563E+01	2.85253E+02	1.78711E+03	3.98839E+03	5.91903E+03
38	2	7.62625E+01	.00000E+00	5.39670E+00	4.72234E+01	7.81165E+01	2.37833E+02	1.48188E+03	3.31605E+03	4.98569E+03
0										
39	3	7.68300E+01	.00000E+00	4.91455E+00	4.29934E+01	7.11624E+01	2.16001E+02	1.34200E+03	3.00711E+03	4.55069E+03
40	3	7.73300E+01	.00000E+00	4.86279E+00	4.25496E+01	7.04533E+01	2.13866E+02	1.32922E+03	2.98072E+03	4.51696E+03
41	3	7.78300E+01	.00000E+00	4.81385E+00	4.21317E+01	6.97889E+01	2.11869E+02	1.31729E+03	2.95628E+03	4.48609E+03
0										
42	4	7.83300E+01	.00000E+00	4.51753E+00	3.95175E+01	6.54492E+01	1.98392E+02	1.23105E+03	2.76568E+03	4.21656E+03
43	4	7.88300E+01	.00000E+00	4.01063E+00	3.50284E+01	5.79656E+01	1.75123E+02	1.08162E+03	2.43330E+03	3.74178E+03
44	4	7.93300E+01	.00000E+00	3.57312E+00	3.11482E+01	5.14928E+01	1.55073E+02	9.53375E+02	2.14752E+03	3.33168E+03
45	4	7.98300E+01	.00000E+00	3.19298E+00	2.77729E+01	4.58630E+01	1.37717E+02	8.42909E+02	1.90128E+03	2.97791E+03
0										
46	5	8.03300E+01	.00000E+00	2.86381E+00	2.48815E+01	4.10905E+01	1.23031E+02	7.49986E+02	1.69394E+03	2.67717E+03
47	5	8.10800E+01	.00000E+00	2.45556E+00	2.13360E+01	3.52912E+01	1.05177E+02	6.37651E+02	1.44210E+03	2.30234E+03
48	5	8.20800E+01	.00000E+00	1.99606E+00	1.73373E+01	2.87243E+01	8.50157E+01	5.11255E+02	1.15761E+03	1.87134E+03
49	5	8.30800E+01	.00000E+00	1.62969E+00	1.41458E+01	2.34632E+01	6.89511E+01	4.11176E+02	9.31466E+02	1.52195E+03
50	5	8.40800E+01	.00000E+00	1.33549E+00	1.15833E+01	1.92294E+01	5.61078E+01	3.31730E+02	7.51477E+02	1.23964E+03
51	5	8.50800E+01	.00000E+00	1.09789E+00	9.51422E+00	1.58059E+01	4.57929E+01	2.68392E+02	6.07713E+02	1.01124E+03

52	5	8.60800E+01	.00000E+00	9.04972E-01	7.83633E+00	1.30252E+01	3.74720E+01	2.17678E+02	4.92439E+02	8.26005E+02
53	5	8.70800E+01	.00000E+00	7.47719E-01	6.47062E+00	1.07581E+01	3.07328E+01	1.76910E+02	3.99658E+02	6.75390E+02
54	5	8.80800E+01	.00000E+00	6.19186E-01	5.35553E+00	8.90414E+00	2.52597E+01	1.44027E+02	3.24683E+02	5.52465E+02
55	5	8.90800E+01	.00000E+00	5.14195E-01	4.44619E+00	7.38725E+00	2.08107E+01	1.17406E+02	2.63638E+02	4.51159E+02
56	5	8.98300E+01	.00000E+00	4.47063E-01	3.86584E+00	6.41444E+00	1.79701E+01	1.00387E+02	2.24180E+02	3.84760E+02
0										
57	6	9.03300E+01	.00000E+00	4.25701E-01	3.68121E+00	6.10278E+00	1.70624E+01	9.49455E+01	2.11425E+02	3.63089E+02
58	6	9.08300E+01	.00000E+00	4.22966E-01	3.65707E+00	6.06128E+00	1.69425E+01	9.42665E+01	2.09884E+02	3.60629E+02
59	6	9.20800E+01	.00000E+00	4.16341E-01	3.60007E+00	5.96402E+00	1.66665E+01	9.26884E+01	2.06332E+02	3.55021E+02
60	6	9.41425E+01	.00000E+00	4.06038E-01	3.51104E+00	5.81316E+00	1.62418E+01	9.02594E+01	2.00905E+02	3.46546E+02
61	6	9.62675E+01	.00000E+00	3.96315E-01	3.42648E+00	5.67120E+00	1.58435E+01	8.79983E+01	1.95907E+02	3.38872E+02
62	6	9.83925E+01	.00000E+00	3.87227E-01	3.34792E+00	5.54029E+00	1.54770E+01	8.59319E+01	1.91381E+02	3.32029E+02
63	6	1.00517E+02	.00000E+00	3.78665E-01	3.27427E+00	5.41823E+00	1.51355E+01	8.40189E+01	1.87224E+02	3.25829E+02
64	6	1.02642E+02	.00000E+00	3.70535E-01	3.20463E+00	5.30327E+00	1.48139E+01	8.22278E+01	1.83357E+02	3.20137E+02
65	6	1.04767E+02	.00000E+00	3.62756E-01	3.13824E+00	5.19401E+00	1.45080E+01	8.05337E+01	1.79723E+02	3.14855E+02
66	6	1.06892E+02	.00000E+00	3.55258E-01	3.07445E+00	5.08927E+00	1.42144E+01	7.89157E+01	1.76273E+02	3.09905E+02
67	6	1.09017E+02	.00000E+00	3.47980E-01	3.01271E+00	4.98806E+00	1.39303E+01	7.73563E+01	1.72968E+02	3.05229E+02
68	6	1.11142E+02	.00000E+00	3.40868E-01	2.95256E+00	4.88958E+00	1.36536E+01	7.58402E+01	1.69778E+02	3.00780E+02
69	6	1.13267E+02	.00000E+00	3.33883E-01	2.89362E+00	4.79323E+00	1.33829E+01	7.43545E+01	1.66676E+02	2.96524E+02
70	6	1.15392E+02	.00000E+00	3.26996E-01	2.83564E+00	4.69864E+00	1.31178E+01	7.28883E+01	1.63642E+02	2.92439E+02
71	6	1.17517E+02	.00000E+00	3.20199E-01	2.77853E+00	4.60575E+00	1.28590E+01	7.14334E+01	1.60664E+02	2.88516E+02
72	6	1.19080E+02	.00000E+00	3.15254E-01	2.73703E+00	4.53846E+00	1.26695E+01	7.03674E+01	1.58502E+02	2.85719E+02
73	6	1.19830E+02	.00000E+00	3.12905E-01	2.71734E+00	4.50662E+00	1.25770E+01	6.98567E+01	1.57475E+02	2.84413E+02
0										
74	7	1.20330E+02	.00000E+00	2.99992E-01	2.61000E+00	4.33366E+00	1.20902E+01	6.70344E+01	1.51203E+02	2.74852E+02
0										
75	8	1.20838E+02	.00000E+00	2.80302E-01	2.44335E+00	4.05286E+00	1.12965E+01	6.24415E+01	1.40877E+02	2.58684E+02
76	8	1.21355E+02	.00000E+00	2.65331E-01	2.31258E+00	3.81770E+00	1.06346E+01	5.86620E+01	1.32309E+02	2.44613E+02
77	8	1.21872E+02	.00000E+00	2.50715E-01	2.18436E+00	3.59082E+00	1.00006E+01	5.50823E+01	1.24172E+02	2.30661E+02
78	8	1.22388E+02	.00000E+00	2.36564E-01	2.05984E+00	3.37343E+00	9.39585E+00	5.16933E+01	1.16449E+02	2.17014E+02
79	8	1.22905E+02	.00000E+00	2.22951E-01	1.93990E+00	3.16610E+00	8.82074E+00	4.84859E+01	1.09120E+02	2.03777E+02
80	8	1.23422E+02	.00000E+00	2.09913E-01	1.82493E+00	2.96890E+00	8.27481E+00	4.54509E+01	1.02169E+02	1.91011E+02
81	8	1.23938E+02	.00000E+00	1.97463E-01	1.71511E+00	2.78186E+00	7.75712E+00	4.25789E+01	9.55775E+01	1.78739E+02
82	8	1.24455E+02	.00000E+00	1.85599E-01	1.61044E+00	2.60475E+00	7.26638E+00	3.98603E+01	8.93255E+01	1.66965E+02
83	8	1.24972E+02	.00000E+00	1.74307E-01	1.51079E+00	2.43712E+00	6.80157E+00	3.72851E+01	8.33944E+01	1.55676E+02
84	8	1.25488E+02	.00000E+00	1.63561E-01	1.41593E+00	2.27825E+00	6.36078E+00	3.48423E+01	7.77610E+01	1.44843E+02
85	8	1.26005E+02	.00000E+00	1.53327E-01	1.32555E+00	2.12749E+00	5.94205E+00	3.25217E+01	7.24001E+01	1.34424E+02
86	8	1.26522E+02	.00000E+00	1.43565E-01	1.23924E+00	1.98406E+00	5.54299E+00	3.03103E+01	6.72825E+01	1.24358E+02
87	8	1.27038E+02	.00000E+00	1.34222E-01	1.15651E+00	1.84707E+00	5.16104E+00	2.81937E+01	6.23727E+01	1.14562E+02
88	8	1.27555E+02	.00000E+00	1.25233E-01	1.07674E+00	1.71540E+00	4.79307E+00	2.61557E+01	5.76252E+01	1.04915E+02
89	8	1.28072E+02	.00000E+00	1.16517E-01	9.99115E-01	1.58770E+00	4.43519E+00	2.41747E+01	5.29794E+01	9.52384E+01
0										
90	9	1.28584E+02	.00000E+00	1.08722E-01	9.29040E-01	1.47264E+00	4.09433E+00	2.22749E+01	4.84620E+01	8.58921E+01
91	9	1.29092E+02	.00000E+00	1.02030E-01	8.68517E-01	1.37336E+00	3.78317E+00	2.05289E+01	4.42975E+01	7.75863E+01
92	9	1.29601E+02	.00000E+00	9.58845E-02	8.13268E-01	1.28287E+00	3.50266E+00	1.89577E+01	4.06043E+01	7.04229E+01
93	9	1.30109E+02	.00000E+00	9.02172E-02	7.62607E-01	1.20001E+00	3.24826E+00	1.75356E+01	3.73026E+01	6.41543E+01
94	9	1.30618E+02	.00000E+00	8.49710E-02	7.15957E-01	1.12380E+00	3.01637E+00	1.62422E+01	3.43316E+01	5.86055E+01
95	9	1.31126E+02	.00000E+00	8.01003E-02	6.72819E-01	1.05346E+00	2.80413E+00	1.50614E+01	3.16438E+01	5.36504E+01
96	9	1.31634E+02	.00000E+00	7.55628E-02	6.32805E-01	9.88342E-01	2.60923E+00	1.39796E+01	2.92017E+01	4.91953E+01
97	9	1.32143E+02	.00000E+00	7.13285E-02	5.95592E-01	9.27902E-01	2.42971E+00	1.29860E+01	2.69750E+01	4.51691E+01
98	9	1.32651E+02	.00000E+00	6.73687E-02	5.60907E-01	8.71686E-01	2.26405E+00	1.20712E+01	2.49390E+01	4.15161E+01
99	9	1.33159E+02	.00000E+00	6.36587E-02	5.28520E-01	8.19304E-01	2.11087E+00	1.12276E+01	2.30731E+01	3.81912E+01
100	9	1.33667E+02	.00000E+00	6.01788E-02	4.98230E-01	7.70421E-01	1.96902E+00	1.04482E+01	2.13599E+01	3.51585E+01
101	9	1.34176E+02	.00000E+00	5.69103E-02	4.69864E-01	7.24744E-01	1.83748E+00	9.72739E+00	1.97844E+01	3.23868E+01
102	9	1.34684E+02	.00000E+00	5.38372E-02	4.43270E-01	6.82019E-01	1.71539E+00	9.05996E+00	1.83339E+01	2.98500E+01
103	9	1.35193E+02	.00000E+00	5.09454E-02	4.18315E-01	6.42019E-01	1.60196E+00	8.44144E+00	1.69969E+01	2.75255E+01
104	9	1.35701E+02	.00000E+00	4.82222E-02	3.94880E-01	6.04540E-01	1.49650E+00	7.86779E+00	1.57636E+01	2.53933E+01
105	9	1.36209E+02	.00000E+00	4.56562E-02	3.72857E-01	5.69401E-01	1.39839E+00	7.33545E+00	1.46249E+01	2.34359E+01
106	9	1.36717E+02	.00000E+00	4.32370E-02	3.52150E-01	5.36439E-01	1.30708E+00	6.84116E+00	1.35731E+01	2.16378E+01
107	9	1.37226E+02	.00000E+00	4.09553E-02	3.32672E-01	5.05505E-01	1.22204E+00	6.38201E+00	1.26011E+01	1.99850E+01

108	9	1.37734E+02	.00000E+00	3.88019E-02	3.14338E-01	4.76462E-01	1.14283E+00	5.95534E+00	1.17023E+01	1.84649E+01
109	9	1.38243E+02	.00000E+00	3.67699E-02	2.97087E-01	4.49189E-01	1.06903E+00	5.55876E+00	1.08710E+01	1.70663E+01
110	9	1.38751E+02	.00000E+00	3.48521E-02	2.80848E-01	4.23567E-01	1.00024E+00	5.19008E+00	1.01019E+01	1.57791E+01
111	9	1.39259E+02	.00000E+00	3.30427E-02	2.65562E-01	3.99507E-01	9.36134E-01	4.84726E+00	9.39017E+00	1.45942E+01
112	9	1.39768E+02	.00000E+00	3.13332E-02	2.51173E-01	3.76906E-01	8.76362E-01	4.52859E+00	8.73156E+00	1.35034E+01
113	9	1.40276E+02	.00000E+00	2.97213E-02	2.37634E-01	3.55682E-01	8.20681E-01	4.23237E+00	8.12212E+00	1.24994E+01
114	9	1.40784E+02	.00000E+00	2.82014E-02	2.24899E-01	3.35758E-01	7.68814E-01	3.95714E+00	7.55834E+00	1.15758E+01
115	9	1.41292E+02	.00000E+00	2.67676E-02	2.12931E-01	3.17065E-01	7.20532E-01	3.70158E+00	7.03707E+00	1.07271E+01
116	9	1.41801E+02	.00000E+00	2.54172E-02	2.01685E-01	2.99545E-01	6.75639E-01	3.46454E+00	6.55556E+00	9.94873E+00
117	9	1.42309E+02	.00000E+00	2.41465E-02	1.91135E-01	2.83148E-01	6.33970E-01	3.24504E+00	6.11147E+00	9.23751E+00
118	9	1.42818E+02	.00000E+00	2.29520E-02	1.81272E-01	2.67835E-01	5.95398E-01	3.04228E+00	5.70287E+00	8.59173E+00
119	9	1.43326E+02	.00000E+00	2.18318E-02	1.72083E-01	2.53580E-01	5.59843E-01	2.85569E+00	5.32826E+00	8.01182E+00
0										
120	10	1.43830E+02	.00000E+00	2.07562E-02	1.63121E-01	2.39499E-01	5.26626E-01	2.68288E+00	4.99015E+00	7.47293E+00
121	10	1.44330E+02	.00000E+00	1.96166E-02	1.53840E-01	2.24813E-01	4.93818E-01	2.51528E+00	4.66746E+00	6.90947E+00
0										
122	11	1.44830E+02	.00000E+00	1.82262E-02	1.42435E-01	2.07850E-01	4.56108E-01	2.32363E+00	4.28283E+00	6.19298E+00
0										
123	12	1.45330E+02	.00000E+00	1.73585E-02	1.35485E-01	1.97929E-01	4.34325E-01	2.21110E+00	4.05144E+00	5.75640E+00
124	12	1.46080E+02	.00000E+00	1.72511E-02	1.34619E-01	1.96649E-01	4.31437E-01	2.19638E+00	4.02133E+00	5.70405E+00
125	12	1.47580E+02	.00000E+00	1.70417E-02	1.32936E-01	1.94165E-01	4.25850E-01	2.16789E+00	3.96361E+00	5.60528E+00
126	12	1.50580E+02	.00000E+00	1.66428E-02	1.29747E-01	1.89472E-01	4.15324E-01	2.11424E+00	3.85669E+00	5.42723E+00
127	12	1.55236E+02	.00000E+00	1.60636E-02	1.25145E-01	1.82717E-01	4.00233E-01	2.03738E+00	3.70644E+00	5.18522E+00
128	12	1.60549E+02	.00000E+00	1.54541E-02	1.20329E-01	1.75664E-01	3.84539E-01	1.95752E+00	3.55328E+00	4.94700E+00
129	12	1.65861E+02	.00000E+00	1.48949E-02	1.15931E-01	1.69240E-01	3.70285E-01	1.88498E+00	3.41632E+00	4.74019E+00
130	12	1.71174E+02	.00000E+00	1.43790E-02	1.11885E-01	1.63335E-01	3.57217E-01	1.81849E+00	3.29209E+00	4.55640E+00
131	12	1.76486E+02	.00000E+00	1.39007E-02	1.08141E-01	1.57875E-01	3.45154E-01	1.75715E+00	3.17830E+00	4.39051E+00
132	12	1.81799E+02	.00000E+00	1.34555E-02	1.04661E-01	1.52807E-01	3.33975E-01	1.70025E+00	3.07334E+00	4.23913E+00
133	12	1.87111E+02	.00000E+00	1.30399E-02	1.01416E-01	1.48083E-01	3.23561E-01	1.64726E+00	2.97599E+00	4.09988E+00
134	12	1.92424E+02	.00000E+00	1.26507E-02	9.83797E-02	1.43663E-01	3.13825E-01	1.59773E+00	2.88530E+00	3.97102E+00
135	12	1.97580E+02	.00000E+00	1.22954E-02	9.56094E-02	1.39630E-01	3.04959E-01	1.55260E+00	2.80286E+00	3.85448E+00
136	12	2.02580E+02	.00000E+00	1.19706E-02	9.30783E-02	1.35947E-01	2.96862E-01	1.51139E+00	2.72776E+00	3.74878E+00
137	12	2.07580E+02	.00000E+00	1.16632E-02	9.06843E-02	1.32464E-01	2.89205E-01	1.47244E+00	2.65690E+00	3.64939E+00
138	12	2.12580E+02	.00000E+00	1.13718E-02	8.84159E-02	1.29163E-01	2.81959E-01	1.43555E+00	2.58989E+00	3.55570E+00
139	12	2.17580E+02	.00000E+00	1.10951E-02	8.62629E-02	1.26031E-01	2.75088E-01	1.40055E+00	2.52640E+00	3.46717E+00
140	12	2.22580E+02	.00000E+00	1.08320E-02	8.42165E-02	1.23054E-01	2.68554E-01	1.36730E+00	2.46614E+00	3.38333E+00
141	12	2.27580E+02	.00000E+00	1.05814E-02	8.22688E-02	1.20219E-01	2.62332E-01	1.33565E+00	2.40885E+00	3.30378E+00
142	12	2.32580E+02	.00000E+00	1.03424E-02	8.04102E-02	1.17516E-01	2.56406E-01	1.30548E+00	2.35430E+00	3.22818E+00
143	12	2.37580E+02	.00000E+00	1.01143E-02	7.86354E-02	1.14937E-01	2.50750E-01	1.27669E+00	2.30228E+00	3.15621E+00
144	12	2.42580E+02	.00000E+00	9.89619E-03	7.69413E-02	1.12471E-01	2.45347E-01	1.24919E+00	2.25262E+00	3.08759E+00
145	12	2.47580E+02	.00000E+00	9.68747E-03	7.53195E-02	1.10112E-01	2.40178E-01	1.22288E+00	2.20514E+00	3.02207E+00
146	12	2.52580E+02	.00000E+00	9.48750E-03	7.37663E-02	1.07853E-01	2.35228E-01	1.19768E+00	2.15970E+00	2.95945E+00
147	12	2.57580E+02	.00000E+00	9.29572E-03	7.22776E-02	1.05686E-01	2.30483E-01	1.17352E+00	2.11617E+00	2.89950E+00
148	12	2.62580E+02	.00000E+00	9.11163E-03	7.08480E-02	1.03607E-01	2.25930E-01	1.15034E+00	2.07441E+00	2.84206E+00
149	12	2.67580E+02	.00000E+00	8.93477E-03	6.94745E-02	1.01609E-01	2.21556E-01	1.12808E+00	2.03432E+00	2.78696E+00
150	12	2.72580E+02	.00000E+00	8.76473E-03	6.81540E-02	9.96889E-02	2.17352E-01	1.10668E+00	1.99580E+00	2.73405E+00
151	12	2.77580E+02	.00000E+00	8.60112E-03	6.68833E-02	9.78409E-02	2.13307E-01	1.08609E+00	1.95875E+00	2.68320E+00
152	12	2.82580E+02	.00000E+00	8.44359E-03	6.56596E-02	9.60612E-02	2.09413E-01	1.06626E+00	1.92308E+00	2.63428E+00
153	12	2.87580E+02	.00000E+00	8.29170E-03	6.44802E-02	9.43459E-02	2.05659E-01	1.04715E+00	1.88872E+00	2.58718E+00
154	12	2.92580E+02	.00000E+00	8.14518E-03	6.33427E-02	9.26916E-02	2.02040E-01	1.02873E+00	1.85560E+00	2.54179E+00
155	12	2.97580E+02	.00000E+00	8.00386E-03	6.22449E-02	9.10950E-02	1.98547E-01	1.01094E+00	1.82364E+00	2.49801E+00
156	12	3.02580E+02	.00000E+00	7.86743E-03	6.11847E-02	8.95530E-02	1.95174E-01	9.93774E-01	1.79278E+00	2.45577E+00
157	12	3.07580E+02	.00000E+00	7.73547E-03	6.01601E-02	8.80629E-02	1.91915E-01	9.77181E-01	1.76297E+00	2.41497E+00
158	12	3.12580E+02	.00000E+00	7.60789E-03	5.91693E-02	8.66219E-02	1.88763E-01	9.61137E-01	1.73415E+00	2.37554E+00
159	12	3.17580E+02	.00000E+00	7.48446E-03	5.82107E-02	8.52276E-02	1.85714E-01	9.45614E-01	1.70628E+00	2.33740E+00
160	12	3.22580E+02	.00000E+00	7.36500E-03	5.72826E-02	8.38778E-02	1.82763E-01	9.30588E-01	1.67929E+00	2.30050E+00
161	12	3.27580E+02	.00000E+00	7.24934E-03	5.63837E-02	8.25703E-02	1.79904E-01	9.16034E-01	1.65316E+00	2.26477E+00
162	12	3.32580E+02	.00000E+00	7.13715E-03	5.55125E-02	8.13031E-02	1.77133E-01	9.01930E-01	1.62784E+00	2.23016E+00
163	12	3.37580E+02	.00000E+00	7.02836E-03	5.46677E-02	8.00744E-02	1.74447E-01	8.88254E-01	1.60329E+00	2.19660E+00
164	12	3.42580E+02	.00000E+00	6.92282E-03	5.38482E-02	7.88824E-02	1.71841E-01	8.74988E-01	1.57948E+00	2.16406E+00

165	12	3.47580E+02	.00000E+00	6.82038E-03	5.30528E-02	7.77254E-02	1.69312E-01	8.62112E-01	1.55637E+00	2.13248E+00
166	12	3.52580E+02	.00000E+00	6.72091E-03	5.22805E-02	7.66019E-02	1.66856E-01	8.49611E-01	1.53393E+00	2.10183E+00
167	12	3.57580E+02	.00000E+00	6.62428E-03	5.15302E-02	7.55104E-02	1.64470E-01	8.37466E-01	1.51214E+00	2.07205E+00
168	12	3.62580E+02	.00000E+00	6.53036E-03	5.08010E-02	7.44496E-02	1.62152E-01	8.25663E-01	1.49096E+00	2.04311E+00
169	12	3.67580E+02	.00000E+00	6.43905E-03	5.00920E-02	7.34182E-02	1.59897E-01	8.14187E-01	1.47037E+00	2.01498E+00
170	12	3.72580E+02	.00000E+00	6.35022E-03	4.94024E-02	7.24149E-02	1.57705E-01	8.03025E-01	1.45034E+00	1.98762E+00
171	12	3.77580E+02	.00000E+00	6.26380E-03	4.87314E-02	7.14386E-02	1.55571E-01	7.92164E-01	1.43085E+00	1.96100E+00
172	12	3.82580E+02	.00000E+00	6.17966E-03	4.80782E-02	7.04883E-02	1.53494E-01	7.81592E-01	1.41188E+00	1.93508E+00
173	12	3.87580E+02	.00000E+00	6.09774E-03	4.74421E-02	6.95628E-02	1.51472E-01	7.71297E-01	1.39341E+00	1.90985E+00
174	12	3.92580E+02	.00000E+00	6.01793E-03	4.68225E-02	6.86612E-02	1.49502E-01	7.61269E-01	1.37541E+00	1.88526E+00
175	12	3.97580E+02	.00000E+00	5.94015E-03	4.62186E-02	6.77826E-02	1.47582E-01	7.51496E-01	1.35788E+00	1.86131E+00
176	12	4.02580E+02	.00000E+00	5.86434E-03	4.56300E-02	6.69260E-02	1.45710E-01	7.41969E-01	1.34078E+00	1.83795E+00
177	12	4.07580E+02	.00000E+00	5.79041E-03	4.50560E-02	6.60908E-02	1.43885E-01	7.32679E-01	1.32412E+00	1.81518E+00
178	12	4.12580E+02	.00000E+00	5.71829E-03	4.44961E-02	6.52760E-02	1.42105E-01	7.23618E-01	1.30786E+00	1.79296E+00
179	12	4.17580E+02	.00000E+00	5.64792E-03	4.39498E-02	6.44809E-02	1.40368E-01	7.14775E-01	1.29199E+00	1.77128E+00
180	12	4.22580E+02	.00000E+00	5.57924E-03	4.34165E-02	6.37049E-02	1.38672E-01	7.06145E-01	1.27650E+00	1.75011E+00
181	12	4.27580E+02	.00000E+00	5.51219E-03	4.28959E-02	6.29471E-02	1.37017E-01	6.97718E-01	1.26138E+00	1.72944E+00
182	12	4.32580E+02	.00000E+00	5.44669E-03	4.23874E-02	6.22071E-02	1.35400E-01	6.89489E-01	1.24662E+00	1.70926E+00
183	12	4.37580E+02	.00000E+00	5.38272E-03	4.18907E-02	6.14840E-02	1.33820E-01	6.81449E-01	1.23219E+00	1.68953E+00
184	12	4.42580E+02	.00000E+00	5.32020E-03	4.14052E-02	6.07775E-02	1.32276E-01	6.73593E-01	1.21809E+00	1.67026E+00
185	12	4.47580E+02	.00000E+00	5.25909E-03	4.09308E-02	6.00869E-02	1.30768E-01	6.65914E-01	1.20431E+00	1.65141E+00
186	12	4.52580E+02	.00000E+00	5.19934E-03	4.04669E-02	5.94116E-02	1.29292E-01	6.58405E-01	1.19083E+00	1.63299E+00
187	12	4.57580E+02	.00000E+00	5.14091E-03	4.00133E-02	5.87512E-02	1.27850E-01	6.51063E-01	1.17765E+00	1.61496E+00
188	12	4.62580E+02	.00000E+00	5.08376E-03	3.95696E-02	5.81051E-02	1.26438E-01	6.43880E-01	1.16476E+00	1.59733E+00
189	12	4.67580E+02	.00000E+00	5.02784E-03	3.91354E-02	5.74730E-02	1.25058E-01	6.36852E-01	1.15215E+00	1.58007E+00
190	12	4.72580E+02	.00000E+00	4.97311E-03	3.87105E-02	5.68543E-02	1.23706E-01	6.29973E-01	1.13980E+00	1.56317E+00
191	12	4.77580E+02	.00000E+00	4.91954E-03	3.82946E-02	5.62486E-02	1.22383E-01	6.23240E-01	1.12771E+00	1.54663E+00
192	12	4.82580E+02	.00000E+00	4.86709E-03	3.78873E-02	5.56555E-02	1.21087E-01	6.16647E-01	1.11588E+00	1.53043E+00
193	12	4.87580E+02	.00000E+00	4.81572E-03	3.74884E-02	5.50747E-02	1.19819E-01	6.10190E-01	1.10428E+00	1.51456E+00
194	12	4.92580E+02	.00000E+00	4.76540E-03	3.70978E-02	5.45056E-02	1.18576E-01	6.03865E-01	1.09293E+00	1.49902E+00
195	12	4.97580E+02	.00000E+00	4.71609E-03	3.67150E-02	5.39481E-02	1.17358E-01	5.97667E-01	1.08180E+00	1.48378E+00
196	12	5.02580E+02	.00000E+00	4.66778E-03	3.63399E-02	5.34017E-02	1.16164E-01	5.91594E-01	1.07089E+00	1.46884E+00
197	12	5.07580E+02	.00000E+00	4.62042E-03	3.59722E-02	5.28661E-02	1.14994E-01	5.85640E-01	1.06020E+00	1.45420E+00
198	12	5.12580E+02	.00000E+00	4.57400E-03	3.56117E-02	5.23410E-02	1.13847E-01	5.79803E-01	1.04972E+00	1.43984E+00
199	12	5.17580E+02	.00000E+00	4.52848E-03	3.52583E-02	5.18260E-02	1.12723E-01	5.74080E-01	1.03944E+00	1.42575E+00
200	12	5.22580E+02	.00000E+00	4.48383E-03	3.49117E-02	5.13209E-02	1.11619E-01	5.68466E-01	1.02936E+00	1.41193E+00
201	12	5.27580E+02	.00000E+00	4.44004E-03	3.45717E-02	5.08254E-02	1.10537E-01	5.62959E-01	1.01946E+00	1.39838E+00
202	12	5.32580E+02	.00000E+00	4.39707E-03	3.42381E-02	5.03393E-02	1.09475E-01	5.57556E-01	1.00976E+00	1.38507E+00
203	12	5.37580E+02	.00000E+00	4.35490E-03	3.39107E-02	4.98621E-02	1.08433E-01	5.52254E-01	1.00023E+00	1.37201E+00
204	12	5.42580E+02	.00000E+00	4.31352E-03	3.35894E-02	4.93938E-02	1.07410E-01	5.47049E-01	9.90879E-01	1.35918E+00
205	12	5.47580E+02	.00000E+00	4.27290E-03	3.32741E-02	4.89340E-02	1.06406E-01	5.41940E-01	9.81699E-01	1.34659E+00
206	12	5.52580E+02	.00000E+00	4.23301E-03	3.29644E-02	4.84826E-02	1.05420E-01	5.36923E-01	9.72684E-01	1.33422E+00
207	12	5.57580E+02	.00000E+00	4.19385E-03	3.26603E-02	4.80392E-02	1.04452E-01	5.31997E-01	9.63830E-01	1.32207E+00
208	12	5.62580E+02	.00000E+00	4.15539E-03	3.23617E-02	4.76038E-02	1.03500E-01	5.27158E-01	9.55132E-01	1.31014E+00
209	12	5.67580E+02	.00000E+00	4.11760E-03	3.20684E-02	4.71760E-02	1.02566E-01	5.22404E-01	9.46588E-01	1.29841E+00
210	12	5.72580E+02	.00000E+00	4.08048E-03	3.17802E-02	4.67556E-02	1.01648E-01	5.17734E-01	9.38192E-01	1.28688E+00
211	12	5.77580E+02	.00000E+00	4.04401E-03	3.14971E-02	4.63426E-02	1.00746E-01	5.13144E-01	9.29941E-01	1.27555E+00
212	12	5.82580E+02	.00000E+00	4.00816E-03	3.12188E-02	4.59366E-02	9.98593E-02	5.08633E-01	9.21831E-01	1.26441E+00
213	12	5.87580E+02	.00000E+00	3.97293E-03	3.09453E-02	4.55375E-02	9.89876E-02	5.04200E-01	9.13858E-01	1.25346E+00
214	12	5.92580E+02	.00000E+00	3.93830E-03	3.06764E-02	4.51452E-02	9.81307E-02	4.99840E-01	9.06019E-01	1.24269E+00
215	12	5.97580E+02	.00000E+00	3.90425E-03	3.04121E-02	4.47594E-02	9.72881E-02	4.95554E-01	8.98311E-01	1.23210E+00
216	12	6.02580E+02	.00000E+00	3.87076E-03	3.01521E-02	4.43799E-02	9.64595E-02	4.91339E-01	8.90729E-01	1.22168E+00
217	12	6.07580E+02	.00000E+00	3.83784E-03	2.98965E-02	4.40067E-02	9.56444E-02	4.87193E-01	8.83272E-01	1.21142E+00
218	12	6.12580E+02	.00000E+00	3.80545E-03	2.96450E-02	4.36396E-02	9.48426E-02	4.83115E-01	8.75936E-01	1.20134E+00
219	12	6.17580E+02	.00000E+00	3.77358E-03	2.93976E-02	4.32784E-02	9.40538E-02	4.79102E-01	8.68717E-01	1.19141E+00
220	12	6.22580E+02	.00000E+00	3.74224E-03	2.91542E-02	4.29230E-02	9.32776E-02	4.75154E-01	8.61614E-01	1.18164E+00
221	12	6.27580E+02	.00000E+00	3.71139E-03	2.89146E-02	4.25733E-02	9.25138E-02	4.71269E-01	8.54623E-01	1.17202E+00
222	12	6.32580E+02	.00000E+00	3.68104E-03	2.86789E-02	4.22290E-02	9.17619E-02	4.67445E-01	8.47741E-01	1.16255E+00
223	12	6.37580E+02	.00000E+00	3.65116E-03	2.84468E-02	4.18901E-02	9.10218E-02	4.63681E-01	8.40966E-01	1.15322E+00
224	12	6.42580E+02	.00000E+00	3.62175E-03	2.82183E-02	4.15565E-02	9.02932E-02	4.59975E-01	8.34296E-01	1.14404E+00

225	12	6.47580E+02	.00000E+00	3.59279E-03	2.79932E-02	4.12280E-02	8.95758E-02	4.56327E-01	8.27728E-01	1.13499E+00
226	12	6.52580E+02	.00000E+00	3.56428E-03	2.77716E-02	4.09045E-02	8.88693E-02	4.52734E-01	8.21260E-01	1.12608E+00
227	12	6.57580E+02	.00000E+00	3.53620E-03	2.75532E-02	4.05859E-02	8.81735E-02	4.49195E-01	8.14889E-01	1.11730E+00
228	12	6.62580E+02	.00000E+00	3.50855E-03	2.73389E-02	4.02721E-02	8.74882E-02	4.45710E-01	8.08613E-01	1.10866E+00
229	12	6.67580E+02	.00000E+00	3.48131E-03	2.71279E-02	3.99629E-02	8.68130E-02	4.42277E-01	8.02430E-01	1.10013E+00
230	12	6.72580E+02	.00000E+00	3.45448E-03	2.69194E-02	3.96583E-02	8.61479E-02	4.38895E-01	7.96338E-01	1.09174E+00
231	12	6.77580E+02	.00000E+00	3.42804E-03	2.67140E-02	3.93582E-02	8.54925E-02	4.35562E-01	7.90335E-01	1.08346E+00
232	12	6.82580E+02	.00000E+00	3.40198E-03	2.65116E-02	3.90625E-02	8.48466E-02	4.32278E-01	7.84419E-01	1.07530E+00
233	12	6.87580E+02	.00000E+00	3.37630E-03	2.63120E-02	3.87710E-02	8.42101E-02	4.29041E-01	7.78588E-01	1.06725E+00
234	12	6.92580E+02	.00000E+00	3.35099E-03	2.61153E-02	3.84837E-02	8.35827E-02	4.25851E-01	7.72840E-01	1.05932E+00
235	12	6.97580E+02	.00000E+00	3.32604E-03	2.59219E-02	3.82005E-02	8.29642E-02	4.22707E-01	7.67174E-01	1.05150E+00
236	12	7.02580E+02	.00000E+00	3.30144E-03	2.57313E-02	3.79213E-02	8.23545E-02	4.19607E-01	7.61587E-01	1.04379E+00
237	12	7.07580E+02	.00000E+00	3.27718E-03	2.55430E-02	3.76460E-02	8.17533E-02	4.16550E-01	7.56077E-01	1.03618E+00
238	12	7.12580E+02	.00000E+00	3.25334E-03	2.53572E-02	3.73746E-02	8.11605E-02	4.13536E-01	7.50645E-01	1.02868E+00
239	12	7.17580E+02	.00000E+00	3.22986E-03	2.51739E-02	3.71069E-02	8.05759E-02	4.10564E-01	7.45286E-01	1.02128E+00
240	12	7.22580E+02	.00000E+00	3.20663E-03	2.49935E-02	3.68428E-02	7.99993E-02	4.07633E-01	7.40001E-01	1.01397E+00
241	12	7.27580E+02	.00000E+00	3.18373E-03	2.48158E-02	3.65824E-02	7.94306E-02	4.04741E-01	7.34788E-01	1.00677E+00
242	12	7.32580E+02	.00000E+00	3.16113E-03	2.46399E-02	3.63254E-02	7.88696E-02	4.01889E-01	7.29644E-01	9.99658E-01
243	12	7.37580E+02	.00000E+00	3.13884E-03	2.44663E-02	3.60720E-02	7.83161E-02	3.99076E-01	7.24569E-01	9.92640E-01
244	12	7.42580E+02	.00000E+00	3.11684E-03	2.42954E-02	3.58219E-02	7.77699E-02	3.96300E-01	7.19561E-01	9.85714E-01
245	12	7.47580E+02	.00000E+00	3.09513E-03	2.41268E-02	3.55751E-02	7.72310E-02	3.93560E-01	7.14619E-01	9.78878E-01
246	12	7.52580E+02	.00000E+00	3.07370E-03	2.39599E-02	3.53316E-02	7.66992E-02	3.90857E-01	7.09742E-01	9.72129E-01
247	12	7.57580E+02	.00000E+00	3.05255E-03	2.37956E-02	3.50912E-02	7.61744E-02	3.88189E-01	7.04928E-01	9.65467E-01
248	12	7.62580E+02	.00000E+00	3.03167E-03	2.36334E-02	3.48540E-02	7.56563E-02	3.85556E-01	7.00176E-01	9.58888E-01
249	12	7.67580E+02	.00000E+00	3.01104E-03	2.34728E-02	3.46198E-02	7.51449E-02	3.82957E-01	6.95485E-01	9.52392E-01
250	12	7.72580E+02	.00000E+00	2.99075E-03	2.33145E-02	3.43886E-02	7.46401E-02	3.80392E-01	6.90853E-01	9.45977E-01
251	12	7.77580E+02	.00000E+00	2.97072E-03	2.31581E-02	3.41603E-02	7.41417E-02	3.77859E-01	6.86279E-01	9.39642E-01
252	12	7.82580E+02	.00000E+00	2.95088E-03	2.30037E-02	3.39349E-02	7.36495E-02	3.75358E-01	6.81763E-01	9.33384E-01
253	12	7.87580E+02	.00000E+00	2.93129E-03	2.28515E-02	3.37124E-02	7.31636E-02	3.72888E-01	6.77303E-01	9.27202E-01
254	12	7.92580E+02	.00000E+00	2.91193E-03	2.27012E-02	3.34926E-02	7.26837E-02	3.70449E-01	6.72899E-01	9.21096E-01
255	12	7.97580E+02	.00000E+00	2.89285E-03	2.25528E-02	3.32755E-02	7.22097E-02	3.68041E-01	6.68548E-01	9.15063E-01
256	12	8.02580E+02	.00000E+00	2.87402E-03	2.24062E-02	3.30611E-02	7.17416E-02	3.65662E-01	6.64251E-01	9.09102E-01
257	12	8.07580E+02	.00000E+00	2.85536E-03	2.22615E-02	3.28494E-02	7.12792E-02	3.63313E-01	6.60005E-01	9.03211E-01
258	12	8.12580E+02	.00000E+00	2.83692E-03	2.21184E-02	3.26402E-02	7.08223E-02	3.60992E-01	6.55810E-01	8.97390E-01
259	12	8.17580E+02	.00000E+00	2.81873E-03	2.19772E-02	3.24335E-02	7.03710E-02	3.58699E-01	6.51666E-01	8.91637E-01
260	12	8.22580E+02	.00000E+00	2.80077E-03	2.18376E-02	3.22293E-02	6.99251E-02	3.56433E-01	6.47571E-01	8.85951E-01
261	12	8.27580E+02	.00000E+00	2.78296E-03	2.16997E-02	3.20275E-02	6.94845E-02	3.54195E-01	6.43524E-01	8.80331E-01
262	12	8.32580E+02	.00000E+00	2.76538E-03	2.15634E-02	3.18281E-02	6.90492E-02	3.51983E-01	6.39525E-01	8.74775E-01
263	12	8.37580E+02	.00000E+00	2.74799E-03	2.14288E-02	3.16310E-02	6.86189E-02	3.49797E-01	6.35571E-01	8.69282E-01
264	12	8.42580E+02	.00000E+00	2.73083E-03	2.12957E-02	3.14363E-02	6.81937E-02	3.47637E-01	6.31664E-01	8.63852E-01
265	12	8.47580E+02	.00000E+00	2.71388E-03	2.11642E-02	3.12438E-02	6.77734E-02	3.45502E-01	6.27802E-01	8.58482E-01
266	12	8.52580E+02	.00000E+00	2.69712E-03	2.10342E-02	3.10535E-02	6.73579E-02	3.43392E-01	6.23984E-01	8.53173E-01
267	12	8.57580E+02	.00000E+00	2.68056E-03	2.09057E-02	3.08654E-02	6.69472E-02	3.41306E-01	6.20209E-01	8.47922E-01
268	12	8.62580E+02	.00000E+00	2.66418E-03	2.07787E-02	3.06794E-02	6.65412E-02	3.39244E-01	6.16477E-01	8.42729E-01
269	12	8.67580E+02	.00000E+00	2.64798E-03	2.06531E-02	3.04956E-02	6.61398E-02	3.37205E-01	6.12786E-01	8.37593E-01
270	12	8.72580E+02	.00000E+00	2.63196E-03	2.05290E-02	3.03138E-02	6.57429E-02	3.35189E-01	6.09137E-01	8.32512E-01
271	12	8.77580E+02	.00000E+00	2.61612E-03	2.04062E-02	3.01340E-02	6.53505E-02	3.33196E-01	6.05528E-01	8.27487E-01
272	12	8.82580E+02	.00000E+00	2.60045E-03	2.02849E-02	2.99563E-02	6.49624E-02	3.31225E-01	6.01958E-01	8.22515E-01
273	12	8.87580E+02	.00000E+00	2.58496E-03	2.01649E-02	2.97805E-02	6.45786E-02	3.29276E-01	5.98428E-01	8.17596E-01
274	12	8.92580E+02	.00000E+00	2.56967E-03	2.00462E-02	2.96066E-02	6.41990E-02	3.27349E-01	5.94936E-01	8.12729E-01
275	12	8.97580E+02	.00000E+00	2.55459E-03	1.99288E-02	2.94347E-02	6.38236E-02	3.25442E-01	5.91482E-01	8.07914E-01
276	12	9.02580E+02	.00000E+00	2.53967E-03	1.98127E-02	2.92646E-02	6.34523E-02	3.23557E-01	5.88064E-01	8.03148E-01
277	12	9.07580E+02	.00000E+00	2.52492E-03	1.96978E-02	2.90963E-02	6.30849E-02	3.21692E-01	5.84683E-01	7.98432E-01
278	12	9.12580E+02	.00000E+00	2.51032E-03	1.95843E-02	2.89298E-02	6.27215E-02	3.19847E-01	5.81338E-01	7.93765E-01
279	12	9.17580E+02	.00000E+00	2.49588E-03	1.94719E-02	2.87652E-02	6.23620E-02	3.18021E-01	5.78028E-01	7.89145E-01
280	12	9.22580E+02	.00000E+00	2.48160E-03	1.93607E-02	2.86022E-02	6.20063E-02	3.16215E-01	5.74752E-01	7.84573E-01
281	12	9.27580E+02	.00000E+00	2.46747E-03	1.92507E-02	2.84410E-02	6.16543E-02	3.14429E-01	5.71511E-01	7.80046E-01
282	12	9.32580E+02	.00000E+00	2.45349E-03	1.91419E-02	2.82815E-02	6.13061E-02	3.12661E-01	5.68303E-01	7.75565E-01
283	12	9.37580E+02	.00000E+00	2.43966E-03	1.90342E-02	2.81236E-02	6.09615E-02	3.10911E-01	5.65128E-01	7.71128E-01
284	12	9.42580E+02	.00000E+00	2.42597E-03	1.89277E-02	2.79674E-02	6.06204E-02	3.09180E-01	5.61985E-01	7.66736E-01

285	12	9.47580E+02	.00000E+00	2.41243E-03	1.88223E-02	2.78127E-02	6.02829E-02	3.07467E-01	5.58874E-01	7.62387E-01
286	12	9.52580E+02	.00000E+00	2.39903E-03	1.87179E-02	2.76597E-02	5.99488E-02	3.05771E-01	5.55795E-01	7.58080E-01
287	12	9.57580E+02	.00000E+00	2.38577E-03	1.86147E-02	2.75082E-02	5.96182E-02	3.04093E-01	5.52746E-01	7.53815E-01
288	12	9.62580E+02	.00000E+00	2.37265E-03	1.85124E-02	2.73583E-02	5.92909E-02	3.02432E-01	5.49728E-01	7.49591E-01
289	12	9.67580E+02	.00000E+00	2.35966E-03	1.84113E-02	2.72099E-02	5.89668E-02	3.00788E-01	5.46740E-01	7.45407E-01
290	12	9.72580E+02	.00000E+00	2.34680E-03	1.83111E-02	2.70629E-02	5.86461E-02	2.99160E-01	5.43781E-01	7.41264E-01
291	12	9.77580E+02	.00000E+00	2.33408E-03	1.82120E-02	2.69174E-02	5.83286E-02	2.97548E-01	5.40850E-01	7.37159E-01
292	12	9.82580E+02	.00000E+00	2.32148E-03	1.81139E-02	2.67734E-02	5.80142E-02	2.95953E-01	5.37949E-01	7.33093E-01
293	12	9.87580E+02	.00000E+00	2.30901E-03	1.80167E-02	2.66308E-02	5.77029E-02	2.94373E-01	5.35075E-01	7.29065E-01
294	12	9.92580E+02	.00000E+00	2.29667E-03	1.79206E-02	2.64896E-02	5.73946E-02	2.92809E-01	5.32228E-01	7.25073E-01
295	12	9.97580E+02	.00000E+00	2.28445E-03	1.78253E-02	2.63497E-02	5.70894E-02	2.91261E-01	5.29409E-01	7.21119E-01
296	12	1.00258E+03	.00000E+00	2.27235E-03	1.77311E-02	2.62112E-02	5.67872E-02	2.89727E-01	5.26617E-01	7.17201E-01
297	12	1.00758E+03	.00000E+00	2.26037E-03	1.76377E-02	2.60741E-02	5.64878E-02	2.88208E-01	5.23850E-01	7.13318E-01
298	12	1.01258E+03	.00000E+00	2.24851E-03	1.75452E-02	2.59382E-02	5.61914E-02	2.86704E-01	5.21110E-01	7.09469E-01
299	12	1.01758E+03	.00000E+00	2.23676E-03	1.74537E-02	2.58037E-02	5.58978E-02	2.85215E-01	5.18395E-01	7.05656E-01
300	12	1.02258E+03	.00000E+00	2.22513E-03	1.73630E-02	2.56704E-02	5.56069E-02	2.83739E-01	5.15705E-01	7.01875E-01
301	12	1.02758E+03	.00000E+00	2.21362E-03	1.72732E-02	2.55384E-02	5.53189E-02	2.82278E-01	5.13039E-01	6.98129E-01
302	12	1.03258E+03	.00000E+00	2.20221E-03	1.71843E-02	2.54077E-02	5.50335E-02	2.80830E-01	5.10398E-01	6.94414E-01
303	12	1.03758E+03	.00000E+00	2.19092E-03	1.70962E-02	2.52781E-02	5.47508E-02	2.79396E-01	5.07781E-01	6.90732E-01
304	12	1.04258E+03	.00000E+00	2.17973E-03	1.70090E-02	2.51498E-02	5.44707E-02	2.77976E-01	5.05187E-01	6.87081E-01
305	12	1.04758E+03	.00000E+00	2.16865E-03	1.69225E-02	2.50226E-02	5.41933E-02	2.76568E-01	5.02616E-01	6.83461E-01
306	12	1.05258E+03	.00000E+00	2.15768E-03	1.68369E-02	2.48966E-02	5.39184E-02	2.75174E-01	5.00068E-01	6.79872E-01
307	12	1.05758E+03	.00000E+00	2.14681E-03	1.67521E-02	2.47718E-02	5.36460E-02	2.73792E-01	4.97542E-01	6.76313E-01
308	12	1.06258E+03	.00000E+00	2.13606E-03	1.66681E-02	2.46481E-02	5.33761E-02	2.72423E-01	4.95039E-01	6.72783E-01
309	12	1.06758E+03	.00000E+00	2.12541E-03	1.65849E-02	2.45255E-02	5.31086E-02	2.71067E-01	4.92557E-01	6.69282E-01
310	12	1.07258E+03	.00000E+00	2.11486E-03	1.65024E-02	2.44040E-02	5.28436E-02	2.69723E-01	4.90095E-01	6.65809E-01
311	12	1.07758E+03	.00000E+00	2.10441E-03	1.64207E-02	2.42836E-02	5.25809E-02	2.68391E-01	4.87655E-01	6.62364E-01
312	12	1.08258E+03	.00000E+00	2.09405E-03	1.63398E-02	2.41643E-02	5.23206E-02	2.67070E-01	4.85236E-01	6.58946E-01
313	12	1.08758E+03	.00000E+00	2.08379E-03	1.62596E-02	2.40460E-02	5.20626E-02	2.65762E-01	4.82837E-01	6.55556E-01
314	12	1.09258E+03	.00000E+00	2.07363E-03	1.61801E-02	2.39288E-02	5.18068E-02	2.64465E-01	4.80457E-01	6.52191E-01
315	12	1.09758E+03	.00000E+00	2.06355E-03	1.61013E-02	2.38126E-02	5.15533E-02	2.63180E-01	4.78097E-01	6.48853E-01
316	12	1.10258E+03	.00000E+00	2.05357E-03	1.60233E-02	2.36974E-02	5.13020E-02	2.61905E-01	4.75756E-01	6.45539E-01
317	12	1.10758E+03	.00000E+00	2.04368E-03	1.59460E-02	2.35831E-02	5.10529E-02	2.60642E-01	4.73434E-01	6.42250E-01
318	12	1.11258E+03	.00000E+00	2.03388E-03	1.58693E-02	2.34699E-02	5.08059E-02	2.59390E-01	4.71131E-01	6.38986E-01
319	12	1.11758E+03	.00000E+00	2.02418E-03	1.57933E-02	2.33576E-02	5.05610E-02	2.58148E-01	4.68846E-01	6.35745E-01
320	12	1.12258E+03	.00000E+00	2.01456E-03	1.57180E-02	2.32463E-02	5.03183E-02	2.56917E-01	4.66578E-01	6.32527E-01
321	12	1.12758E+03	.00000E+00	2.00502E-03	1.56434E-02	2.31359E-02	5.00775E-02	2.55697E-01	4.64328E-01	6.29332E-01
322	12	1.13258E+03	.00000E+00	1.99557E-03	1.55695E-02	2.30264E-02	4.98388E-02	2.54487E-01	4.62094E-01	6.26160E-01
323	12	1.13758E+03	.00000E+00	1.98621E-03	1.54961E-02	2.29178E-02	4.96020E-02	2.53286E-01	4.59878E-01	6.23008E-01
324	12	1.14258E+03	.00000E+00	1.97692E-03	1.54235E-02	2.28102E-02	4.93673E-02	2.52096E-01	4.57678E-01	6.19878E-01

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0 TOTAL FLUX - G=GROUP NO. N= 8

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	1.24717E+04	1.38651E+04	1.56104E+04	6.97061E+03	1.58829E+03	8.42621E+03	1.98645E+04	2.28318E+04
2	1	1.00000E+00	1.24735E+04	1.38678E+04	1.56135E+04	6.97230E+03	1.58878E+03	8.42821E+03	1.98675E+04	2.28345E+04
3	1	2.67567E+00	1.24701E+04	1.38654E+04	1.56104E+04	6.97105E+03	1.58854E+03	8.42657E+03	1.98632E+04	2.28291E+04
4	1	5.02700E+00	1.24584E+04	1.38542E+04	1.55970E+04	6.96481E+03	1.58705E+03	8.41881E+03	1.98468E+04	2.28106E+04
5	1	7.37833E+00	1.24389E+04	1.38346E+04	1.55737E+04	6.95381E+03	1.58435E+03	8.40518E+03	1.98187E+04	2.27794E+04
6	1	9.72967E+00	1.24122E+04	1.38075E+04	1.55416E+04	6.93861E+03	1.58062E+03	8.38637E+03	1.97801E+04	2.27366E+04
7	1	1.20810E+01	1.23786E+04	1.37733E+04	1.55010E+04	6.91938E+03	1.57589E+03	8.36258E+03	1.97313E+04	2.26823E+04
8	1	1.44323E+01	1.23379E+04	1.37319E+04	1.54519E+04	6.89616E+03	1.57020E+03	8.33384E+03	1.96721E+04	2.26163E+04
9	1	1.67837E+01	1.22900E+04	1.36831E+04	1.53940E+04	6.86889E+03	1.56352E+03	8.30009E+03	1.96025E+04	2.25386E+04
10	1	1.91350E+01	1.22345E+04	1.36267E+04	1.53273E+04	6.83748E+03	1.55585E+03	8.26123E+03	1.95221E+04	2.24486E+04
11	1	2.14863E+01	1.21713E+04	1.35625E+04	1.52512E+04	6.80179E+03	1.54715E+03	8.21709E+03	1.94305E+04	2.23458E+04
12	1	2.38377E+01	1.20998E+04	1.34900E+04	1.51655E+04	6.76166E+03	1.53740E+03	8.16748E+03	1.93272E+04	2.22297E+04
13	1	2.61890E+01	1.20197E+04	1.34087E+04	1.50695E+04	6.71688E+03	1.52654E+03	8.11216E+03	1.92117E+04	2.20997E+04
14	1	2.85403E+01	1.19304E+04	1.33181E+04	1.49628E+04	6.66722E+03	1.51454E+03	8.05087E+03	1.90834E+04	2.19548E+04
15	1	3.08917E+01	1.18313E+04	1.32176E+04	1.48447E+04	6.61242E+03	1.50132E+03	7.98329E+03	1.89416E+04	2.17943E+04
16	1	3.32430E+01	1.17218E+04	1.31065E+04	1.47144E+04	6.55218E+03	1.48684E+03	7.90908E+03	1.87853E+04	2.16171E+04
17	1	3.55943E+01	1.16011E+04	1.29839E+04	1.45711E+04	6.48615E+03	1.47102E+03	7.82783E+03	1.86137E+04	2.14221E+04

18	1	3.79457E+01	1.14683E+04	1.28489E+04	1.44138E+04	6.41396E+03	1.45377E+03	7.73911E+03	1.84257E+04	2.12080E+04
19	1	4.02970E+01	1.13224E+04	1.27004E+04	1.42413E+04	6.33514E+03	1.43501E+03	7.64239E+03	1.82201E+04	2.09732E+04
20	1	4.26483E+01	1.11624E+04	1.25371E+04	1.40524E+04	6.24921E+03	1.41463E+03	7.53708E+03	1.79955E+04	2.07162E+04
21	1	4.49997E+01	1.09867E+04	1.23576E+04	1.38457E+04	6.15558E+03	1.39251E+03	7.42253E+03	1.77503E+04	2.04349E+04
22	1	4.73510E+01	1.07941E+04	1.21602E+04	1.36194E+04	6.05359E+03	1.36852E+03	7.29797E+03	1.74828E+04	2.01272E+04
23	1	4.97023E+01	1.05826E+04	1.19429E+04	1.33715E+04	5.94246E+03	1.34248E+03	7.16249E+03	1.71908E+04	1.97905E+04
24	1	5.20537E+01	1.03503E+04	1.17032E+04	1.30996E+04	5.82127E+03	1.31421E+03	7.01502E+03	1.68719E+04	1.94217E+04
25	1	5.44050E+01	1.00945E+04	1.14382E+04	1.28009E+04	5.68890E+03	1.28349E+03	6.85431E+03	1.65230E+04	1.90173E+04
26	1	5.67563E+01	9.81225E+03	1.11442E+04	1.24718E+04	5.54399E+03	1.25003E+03	6.67876E+03	1.61406E+04	1.85729E+04
27	1	5.91077E+01	9.49953E+03	1.08163E+04	1.21078E+04	5.38478E+03	1.21346E+03	6.48638E+03	1.57201E+04	1.80830E+04
28	1	6.14590E+01	9.15112E+03	1.04483E+04	1.17029E+04	5.20896E+03	1.17333E+03	6.27452E+03	1.52555E+04	1.75402E+04
29	1	6.38103E+01	8.75959E+03	1.00307E+04	1.12485E+04	5.01329E+03	1.12896E+03	6.03947E+03	1.47385E+04	1.69347E+04
30	1	6.61617E+01	8.31356E+03	9.54954E+03	1.07318E+04	4.79294E+03	1.07941E+03	5.77577E+03	1.41569E+04	1.62516E+04
31	1	6.85130E+01	7.79377E+03	8.98107E+03	1.01320E+04	4.54014E+03	1.02314E+03	5.47460E+03	1.34911E+04	1.54668E+04
32	1	7.08643E+01	7.16363E+03	8.28158E+03	9.41145E+03	4.24124E+03	9.57562E+02	5.12058E+03	1.27065E+04	1.45365E+04
33	1	7.27900E+01	6.53915E+03	7.58094E+03	8.70668E+03	3.95356E+03	8.95405E+02	4.78171E+03	1.19536E+04	1.36375E+04
34	1	7.37900E+01	6.15881E+03	7.15166E+03	8.28300E+03	3.78291E+03	8.59012E+02	4.58155E+03	1.15079E+04	1.31016E+04
0										
35	2	7.43575E+01	5.52353E+03	6.37081E+03	7.47517E+03	3.43509E+03	7.88876E+02	4.19090E+03	1.06753E+04	1.22019E+04
36	2	7.49925E+01	4.59971E+03	5.23246E+03	6.26479E+03	2.90313E+03	6.79647E+02	3.59073E+03	9.37309E+03	1.08089E+04
37	2	7.56275E+01	3.89677E+03	4.39089E+03	5.33587E+03	2.48735E+03	5.90006E+02	3.11149E+03	8.27942E+03	9.61348E+03
38	2	7.62625E+01	3.32972E+03	3.72813E+03	4.58356E+03	2.14552E+03	5.13992E+02	2.71242E+03	7.33361E+03	8.55629E+03
0										
39	3	7.68300E+01	3.06263E+03	3.41993E+03	4.23075E+03	1.98386E+03	4.77275E+02	2.52284E+03	6.87830E+03	8.03846E+03
40	3	7.73300E+01	3.04386E+03	3.39855E+03	4.20913E+03	1.97374E+03	4.74432E+02	2.51103E+03	6.85364E+03	8.00585E+03
41	3	7.78300E+01	3.02692E+03	3.37919E+03	4.18988E+03	1.96469E+03	4.71860E+02	2.50061E+03	6.83261E+03	7.97734E+03
0										
42	4	7.83300E+01	2.86111E+03	3.18809E+03	3.97143E+03	1.86287E+03	4.46627E+02	2.37644E+03	6.53390E+03	7.63062E+03
43	4	7.88300E+01	2.56475E+03	2.84659E+03	3.57471E+03	1.67884E+03	4.01831E+02	2.14985E+03	5.97770E+03	7.00041E+03
44	4	7.93300E+01	2.30452E+03	2.54677E+03	3.21985E+03	1.51569E+03	3.63000E+02	1.94606E+03	5.46397E+03	6.44038E+03
45	4	7.98300E+01	2.07641E+03	2.28329E+03	2.90222E+03	1.37126E+03	3.29391E+02	1.76264E+03	4.98893E+03	5.94610E+03
0										
46	5	8.03300E+01	1.87747E+03	2.05419E+03	2.61969E+03	1.24457E+03	3.01858E+02	1.60516E+03	4.56448E+03	5.52502E+03
47	5	8.10800E+01	1.62452E+03	1.76766E+03	2.26104E+03	1.08271E+03	2.67847E+02	1.41096E+03	4.02568E+03	4.97775E+03
48	5	8.20800E+01	1.33271E+03	1.44139E+03	1.85205E+03	8.94865E+02	2.26633E+02	1.18416E+03	3.39640E+03	4.30187E+03
49	5	8.30800E+01	1.09423E+03	1.17826E+03	1.52108E+03	7.40220E+02	1.91144E+02	9.95055E+02	2.86966E+03	3.70522E+03
50	5	8.40800E+01	8.99695E+02	9.65646E+02	1.25252E+03	6.13299E+02	1.61067E+02	8.37647E+02	2.42819E+03	3.18739E+03
51	5	8.50800E+01	7.40932E+02	7.93578E+02	1.03438E+03	5.09242E+02	1.35767E+02	7.06919E+02	2.05857E+03	2.74174E+03
52	5	8.60800E+01	6.11288E+02	6.54264E+02	8.57277E+02	4.24050E+02	1.14586E+02	5.98778E+02	1.75001E+03	2.36030E+03
53	5	8.70800E+01	5.05423E+02	5.41645E+02	7.13934E+02	3.54515E+02	9.69328E+01	5.09978E+02	1.49381E+03	2.03543E+03
54	5	8.80800E+01	4.19072E+02	4.51107E+02	5.98864E+02	2.98130E+02	8.23076E+01	4.38205E+02	1.28325E+03	1.76022E+03
55	5	8.90800E+01	3.48817E+02	3.79520E+02	5.08512E+02	2.53076E+02	7.02981E+01	3.82547E+02	1.11400E+03	1.52832E+03
56	5	8.98300E+01	3.03957E+02	3.35746E+02	4.53959E+02	2.25135E+02	6.26142E+01	3.50208E+02	1.00948E+03	1.37612E+03
0										
57	6	9.03300E+01	2.89823E+02	3.22646E+02	4.37958E+02	2.16660E+02	6.01868E+01	3.41213E+02	9.78085E+02	1.32714E+03
58	6	9.08300E+01	2.88331E+02	3.21331E+02	4.36484E+02	2.15858E+02	5.99111E+01	3.40317E+02	9.75060E+02	1.32195E+03
59	6	9.20800E+01	2.84937E+02	3.18311E+02	4.33120E+02	2.14038E+02	5.92807E+01	3.38253E+02	9.68262E+02	1.31036E+03
60	6	9.41425E+01	2.79819E+02	3.13718E+02	4.28034E+02	2.11300E+02	5.83260E+01	3.35107E+02	9.58146E+02	1.29319E+03
61	6	9.62675E+01	2.75202E+02	3.09523E+02	4.23434E+02	2.08844E+02	5.74598E+01	3.32225E+02	9.49231E+02	1.27815E+03
62	6	9.83925E+01	2.71102E+02	3.05758E+02	4.19346E+02	2.06678E+02	5.66874E+01	3.29638E+02	9.41516E+02	1.26522E+03
63	6	1.00517E+02	2.67404E+02	3.02332E+02	4.15659E+02	2.04740E+02	5.59892E+01	3.27287E+02	9.34749E+02	1.25392E+03
64	6	1.02642E+02	2.64025E+02	2.99178E+02	4.12292E+02	2.02983E+02	5.53509E+01	3.25124E+02	9.28748E+02	1.24394E+03
65	6	1.04767E+02	2.60903E+02	2.96241E+02	4.09182E+02	2.01374E+02	5.47619E+01	3.23112E+02	9.23380E+02	1.23505E+03
66	6	1.06892E+02	2.57990E+02	2.93478E+02	4.06278E+02	1.99887E+02	5.42138E+01	3.21218E+02	9.18545E+02	1.22710E+03
67	6	1.09017E+02	2.55248E+02	2.90853E+02	4.03537E+02	1.98500E+02	5.37003E+01	3.19412E+02	9.14166E+02	1.21996E+03
68	6	1.11142E+02	2.52648E+02	2.88335E+02	4.00922E+02	1.97196E+02	5.32164E+01	3.17667E+02	9.10190E+02	1.21357E+03
69	6	1.13267E+02	2.50166E+02	2.85899E+02	3.98404E+02	1.95963E+02	5.27584E+01	3.15960E+02	9.06582E+02	1.20787E+03
70	6	1.15392E+02	2.47788E+02	2.83524E+02	3.95959E+02	1.94791E+02	5.23241E+01	3.14267E+02	9.03327E+02	1.20287E+03
71	6	1.17517E+02	2.45506E+02	2.81196E+02	3.93572E+02	1.93679E+02	5.19127E+01	3.12572E+02	9.00440E+02	1.19860E+03
72	6	1.19080E+02	2.43880E+02	2.79505E+02	3.91844E+02	1.92892E+02	5.16229E+01	3.11316E+02	8.98529E+02	1.19589E+03

73	6	1.19830E+02	2.43121E+02	2.78701E+02	3.91025E+02	1.92528E+02	5.14892E+01	3.10709E+02	8.97704E+02	1.19478E+03
0										
74	7	1.20330E+02	2.37723E+02	2.74141E+02	3.86060E+02	1.89680E+02	5.04256E+01	3.08632E+02	8.88129E+02	1.17745E+03
0										
75	8	1.20838E+02	2.28531E+02	2.66701E+02	3.78340E+02	1.85130E+02	4.85548E+01	3.05433E+02	8.72361E+02	1.14686E+03
76	8	1.21355E+02	2.19768E+02	2.59232E+02	3.70480E+02	1.80712E+02	4.67184E+01	3.00967E+02	8.56091E+02	1.11587E+03
77	8	1.21872E+02	2.09959E+02	2.49850E+02	3.59590E+02	1.74999E+02	4.46716E+01	2.93440E+02	8.33981E+02	1.07851E+03
78	8	1.22388E+02	1.99593E+02	2.39268E+02	3.46633E+02	1.68404E+02	4.25066E+01	2.83798E+02	8.07525E+02	1.03675E+03
79	8	1.22905E+02	1.88973E+02	2.27940E+02	3.32241E+02	1.61200E+02	4.02792E+01	2.72663E+02	7.77763E+02	9.91864E+02
80	8	1.23422E+02	1.78287E+02	2.16158E+02	3.16829E+02	1.53567E+02	3.80232E+01	2.60443E+02	7.45409E+02	9.44742E+02
81	8	1.23938E+02	1.67648E+02	2.04105E+02	3.00666E+02	1.45620E+02	3.57578E+01	2.47405E+02	7.10954E+02	8.95949E+02
82	8	1.24455E+02	1.57118E+02	1.91894E+02	2.83911E+02	1.37433E+02	3.34927E+01	2.33720E+02	6.74701E+02	8.45824E+02
83	8	1.24972E+02	1.46725E+02	1.79579E+02	2.66678E+02	1.29043E+02	3.12306E+01	2.19485E+02	6.36864E+02	7.94563E+02
84	8	1.25488E+02	1.36468E+02	1.67173E+02	2.48985E+02	1.20458E+02	2.89687E+01	2.04739E+02	5.97486E+02	7.42184E+02
85	8	1.26005E+02	1.26313E+02	1.54643E+02	2.30796E+02	1.11662E+02	2.66957E+01	1.89461E+02	5.56503E+02	6.88562E+02
86	8	1.26522E+02	1.16197E+02	1.41905E+02	2.11999E+02	1.02599E+02	2.43942E+01	1.73559E+02	5.13709E+02	6.33395E+02
87	8	1.27038E+02	1.06012E+02	1.28809E+02	1.92379E+02	9.31704E+01	2.20343E+01	1.56870E+02	4.68714E+02	5.76156E+02
88	8	1.27555E+02	9.55808E+01	1.15103E+02	1.71578E+02	8.32108E+01	1.95677E+01	1.39086E+02	4.20886E+02	5.16006E+02
89	8	1.28072E+02	8.46248E+01	1.00380E+02	1.49016E+02	7.24590E+01	1.69159E+01	1.19721E+02	3.69244E+02	4.51654E+02
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90	9	1.28584E+02	7.36276E+01	8.46327E+01	1.25002E+02	6.09380E+01	1.41958E+01	9.91478E+01	3.09785E+02	3.77329E+02
91	9	1.29092E+02	6.40847E+01	7.05660E+01	1.03745E+02	5.06281E+01	1.18515E+01	8.11365E+01	2.53601E+02	3.06954E+02
92	9	1.29601E+02	5.64759E+01	5.99390E+01	8.77238E+01	4.28250E+01	1.00558E+01	6.77923E+01	2.12016E+02	2.55228E+02
93	9	1.30109E+02	5.02199E+01	5.16130E+01	7.52220E+01	3.67157E+01	8.63641E+00	5.75300E+01	1.79974E+02	2.15500E+02
94	9	1.30618E+02	4.49486E+01	4.48897E+01	6.51738E+01	3.17935E+01	7.48465E+00	4.93827E+01	1.54456E+02	1.83917E+02
95	9	1.31126E+02	4.04228E+01	3.93296E+01	5.69022E+01	2.77349E+01	6.53014E+00	4.27463E+01	1.33605E+02	1.58155E+02
96	9	1.31634E+02	3.64823E+01	3.46467E+01	4.99647E+01	2.43277E+01	5.72604E+00	3.72318E+01	1.16235E+02	1.36748E+02
97	9	1.32143E+02	3.30153E+01	3.06487E+01	4.40631E+01	2.14280E+01	5.04021E+00	3.25803E+01	1.01558E+02	1.18723E+02
98	9	1.32651E+02	2.99418E+01	2.72008E+01	3.89893E+01	1.89351E+01	4.44979E+00	2.86125E+01	8.90296E+01	1.03403E+02
99	9	1.33159E+02	2.72012E+01	2.42049E+01	3.45923E+01	1.67755E+01	3.93797E+00	2.51998E+01	7.82539E+01	9.02930E+01
100	9	1.33667E+02	2.47474E+01	2.15871E+01	3.07592E+01	1.48938E+01	3.49195E+00	2.22463E+01	6.89335E+01	7.90182E+01
101	9	1.34176E+02	2.25430E+01	1.92896E+01	2.74024E+01	1.32472E+01	3.10169E+00	1.96781E+01	6.08382E+01	6.92837E+01
102	9	1.34684E+02	2.05574E+01	1.72663E+01	2.44523E+01	1.18014E+01	2.75919E+00	1.74369E+01	5.37835E+01	6.08533E+01
103	9	1.35193E+02	1.87653E+01	1.54795E+01	2.18523E+01	1.05285E+01	2.45783E+00	1.54754E+01	4.76194E+01	5.35337E+01
104	9	1.35701E+02	1.71449E+01	1.38977E+01	1.95556E+01	9.40528E+00	2.19214E+00	1.37546E+01	4.22214E+01	4.71649E+01
105	9	1.36209E+02	1.56777E+01	1.24946E+01	1.75228E+01	8.41237E+00	1.95748E+00	1.22419E+01	3.74854E+01	4.16129E+01
106	9	1.36717E+02	1.43474E+01	1.12479E+01	1.57206E+01	7.53323E+00	1.74993E+00	1.09099E+01	3.33235E+01	3.67649E+01
107	9	1.37226E+02	1.31400E+01	1.01382E+01	1.41205E+01	6.75379E+00	1.56614E+00	9.73542E+00	2.96609E+01	3.25253E+01
108	9	1.37734E+02	1.20431E+01	9.14925E+00	1.26981E+01	6.06193E+00	1.40320E+00	8.69845E+00	2.64335E+01	2.88132E+01
109	9	1.38243E+02	1.10458E+01	8.26675E+00	1.14324E+01	5.44723E+00	1.25863E+00	7.78202E+00	2.35870E+01	2.55591E+01
110	9	1.38751E+02	1.01385E+01	7.47850E+00	1.03051E+01	4.90071E+00	1.13028E+00	6.97154E+00	2.10742E+01	2.27040E+01
111	9	1.39259E+02	9.31291E+00	6.77395E+00	9.30082E+00	4.41462E+00	1.01630E+00	6.25450E+00	1.88550E+01	2.01972E+01
112	9	1.39768E+02	8.56153E+00	6.14403E+00	8.40601E+00	3.98233E+00	9.15099E-01	5.62026E+00	1.68950E+01	1.79959E+01
113	9	1.40276E+02	7.87810E+00	5.58111E+00	7.60942E+00	3.59824E+00	8.25333E-01	5.05984E+00	1.51652E+01	1.60636E+01
114	9	1.40784E+02	7.25739E+00	5.07895E+00	6.90182E+00	3.25776E+00	7.45901E-01	4.56611E+00	1.36416E+01	1.43702E+01
115	9	1.41292E+02	6.69538E+00	4.63279E+00	6.27624E+00	2.95739E+00	6.75959E-01	4.13355E+00	1.23058E+01	1.28917E+01
116	9	1.41801E+02	6.18958E+00	4.23969E+00	5.72831E+00	2.69491E+00	6.14960E-01	3.75885E+00	1.11452E+01	1.16118E+01
117	9	1.42309E+02	5.73953E+00	3.89923E+00	5.25709E+00	2.46978E+00	5.62753E-01	3.44155E+00	1.01562E+01	1.05226E+01
118	9	1.42818E+02	5.34805E+00	3.61455E+00	4.86702E+00	2.28390E+00	5.19745E-01	3.18540E+00	9.34665E+00	9.63044E+00
119	9	1.43326E+02	5.02269E+00	3.39452E+00	4.57003E+00	2.14288E+00	4.87202E-01	3.00072E+00	8.74413E+00	8.96370E+00
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120	10	1.43830E+02	4.71147E+00	3.20876E+00	4.32821E+00	2.03066E+00	4.60025E-01	2.85162E+00	8.28483E+00	8.44839E+00
121	10	1.44330E+02	4.32854E+00	2.97301E+00	4.01930E+00	1.89071E+00	4.24373E-01	2.64321E+00	7.73418E+00	7.83940E+00
0										
122	11	1.44830E+02	3.81207E+00	2.62165E+00	3.53415E+00	1.66679E+00	3.76814E-01	2.32550E+00	6.83617E+00	6.91431E+00
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123	12	1.45330E+02	3.49990E+00	2.40410E+00	3.22779E+00	1.52355E+00	3.49938E-01	2.13219E+00	6.25127E+00	6.33092E+00
124	12	1.46080E+02	3.46421E+00	2.37939E+00	3.19447E+00	1.50788E+00	3.46363E-01	2.11002E+00	6.18486E+00	6.26205E+00
125	12	1.47580E+02	3.39741E+00	2.33318E+00	3.13218E+00	1.47857E+00	3.39677E-01	2.06863E+00	6.06098E+00	6.13377E+00
126	12	1.50580E+02	3.27873E+00	2.25122E+00	3.02174E+00	1.42661E+00	3.27817E-01	1.99531E+00	5.84222E+00	5.90785E+00

127	12	1.55236E+02	3.12034E+00	2.14206E+00	2.87473E+00	1.35744E+00	3.12016E-01	1.89785E+00	5.55251E+00	5.60969E+00
128	12	1.60549E+02	2.96755E+00	2.03696E+00	2.73327E+00	1.29089E+00	2.96796E-01	1.80422E+00	5.27537E+00	5.32561E+00
129	12	1.65861E+02	2.83723E+00	1.94745E+00	2.61285E+00	1.23424E+00	2.83826E-01	1.72462E+00	5.04068E+00	5.08590E+00
130	12	1.71174E+02	2.72286E+00	1.86895E+00	2.50728E+00	1.18457E+00	2.72445E-01	1.65489E+00	4.83571E+00	4.87708E+00
131	12	1.76486E+02	2.62055E+00	1.79876E+00	2.41290E+00	1.14015E+00	2.62261E-01	1.59258E+00	4.65294E+00	4.69124E+00
132	12	1.81799E+02	2.52780E+00	1.73513E+00	2.32736E+00	1.09989E+00	2.53024E-01	1.53613E+00	4.48762E+00	4.52337E+00
133	12	1.87111E+02	2.44292E+00	1.67690E+00	2.24907E+00	1.06304E+00	2.44565E-01	1.48447E+00	4.33655E+00	4.37013E+00
134	12	1.92424E+02	2.36467E+00	1.62321E+00	2.17691E+00	1.02906E+00	2.36763E-01	1.43685E+00	4.19744E+00	4.22914E+00
135	12	1.97580E+02	2.29412E+00	1.57479E+00	2.11183E+00	9.98423E-01	2.29723E-01	1.39392E+00	4.07212E+00	4.10221E+00
136	12	2.02580E+02	2.23030E+00	1.53098E+00	2.05295E+00	9.70693E-01	2.23351E-01	1.35507E+00	3.95880E+00	3.98750E+00
137	12	2.07580E+02	2.17041E+00	1.48986E+00	1.99770E+00	9.44667E-01	2.17368E-01	1.31862E+00	3.85251E+00	3.87995E+00
138	12	2.12580E+02	2.11405E+00	1.45115E+00	1.94569E+00	9.20167E-01	2.11735E-01	1.28430E+00	3.75252E+00	3.77881E+00
139	12	2.17580E+02	2.06087E+00	1.41463E+00	1.89661E+00	8.97045E-01	2.06418E-01	1.25192E+00	3.65821E+00	3.68344E+00
140	12	2.22580E+02	2.01058E+00	1.38008E+00	1.85019E+00	8.75173E-01	2.01387E-01	1.22129E+00	3.56903E+00	3.59329E+00
141	12	2.27580E+02	1.96292E+00	1.34734E+00	1.80620E+00	8.54441E-01	1.96618E-01	1.19226E+00	3.48453E+00	3.50789E+00
142	12	2.32580E+02	1.91767E+00	1.31624E+00	1.76442E+00	8.34751E-01	1.92087E-01	1.16469E+00	3.40431E+00	3.42684E+00
143	12	2.37580E+02	1.87462E+00	1.28666E+00	1.72468E+00	8.16021E-01	1.87777E-01	1.13847E+00	3.32802E+00	3.34977E+00
144	12	2.42580E+02	1.83362E+00	1.25847E+00	1.68682E+00	7.98174E-01	1.83669E-01	1.11348E+00	3.25536E+00	3.27636E+00
145	12	2.47580E+02	1.79450E+00	1.23158E+00	1.65070E+00	7.81144E-01	1.79750E-01	1.08964E+00	3.18603E+00	3.20635E+00
146	12	2.52580E+02	1.75712E+00	1.20588E+00	1.61619E+00	7.64873E-01	1.76004E-01	1.06687E+00	3.11981E+00	3.13947E+00
147	12	2.57580E+02	1.72137E+00	1.18130E+00	1.58317E+00	7.49305E-01	1.72420E-01	1.04508E+00	3.05647E+00	3.07551E+00
148	12	2.62580E+02	1.68712E+00	1.15775E+00	1.55155E+00	7.34393E-01	1.68987E-01	1.02421E+00	2.99580E+00	3.01426E+00
149	12	2.67580E+02	1.65429E+00	1.13518E+00	1.52123E+00	7.20095E-01	1.65695E-01	1.00419E+00	2.93764E+00	2.95554E+00
150	12	2.72580E+02	1.62277E+00	1.11350E+00	1.49213E+00	7.06369E-01	1.62534E-01	9.84984E-01	2.88181E+00	2.89919E+00
151	12	2.77580E+02	1.59249E+00	1.09268E+00	1.46417E+00	6.93180E-01	1.59497E-01	9.66528E-01	2.82818E+00	2.84505E+00
152	12	2.82580E+02	1.56337E+00	1.07265E+00	1.43728E+00	6.80495E-01	1.56576E-01	9.48778E-01	2.77660E+00	2.79299E+00
153	12	2.87580E+02	1.53534E+00	1.05337E+00	1.41139E+00	6.68285E-01	1.53764E-01	9.31692E-01	2.72696E+00	2.74288E+00
154	12	2.92580E+02	1.50833E+00	1.03480E+00	1.38646E+00	6.56521E-01	1.51055E-01	9.15233E-01	2.67914E+00	2.69461E+00
155	12	2.97580E+02	1.48229E+00	1.01689E+00	1.36242E+00	6.45178E-01	1.48442E-01	8.99363E-01	2.63303E+00	2.64808E+00
156	12	3.02580E+02	1.45716E+00	9.99607E-01	1.33923E+00	6.34233E-01	1.45922E-01	8.84051E-01	2.58854E+00	2.60318E+00
157	12	3.07580E+02	1.43290E+00	9.82920E-01	1.31683E+00	6.23664E-01	1.43487E-01	8.69265E-01	2.54558E+00	2.55982E+00
158	12	3.12580E+02	1.40946E+00	9.66795E-01	1.29519E+00	6.13451E-01	1.41135E-01	8.54979E-01	2.50407E+00	2.51794E+00
159	12	3.17580E+02	1.38679E+00	9.51203E-01	1.27426E+00	6.03575E-01	1.38861E-01	8.41165E-01	2.46394E+00	2.47743E+00
160	12	3.22580E+02	1.36485E+00	9.36117E-01	1.25402E+00	5.94020E-01	1.36660E-01	8.27800E-01	2.42511E+00	2.43825E+00
161	12	3.27580E+02	1.34361E+00	9.21511E-01	1.23442E+00	5.84770E-01	1.34529E-01	8.14862E-01	2.38752E+00	2.40031E+00
162	12	3.32580E+02	1.32304E+00	9.07362E-01	1.21544E+00	5.75808E-01	1.32465E-01	8.02328E-01	2.35110E+00	2.36356E+00
163	12	3.37580E+02	1.30310E+00	8.93648E-01	1.19704E+00	5.67122E-01	1.30465E-01	7.90181E-01	2.31580E+00	2.32794E+00
164	12	3.42580E+02	1.28376E+00	8.80348E-01	1.17920E+00	5.58699E-01	1.28525E-01	7.78401E-01	2.28158E+00	2.29340E+00
165	12	3.47580E+02	1.26499E+00	8.67444E-01	1.16189E+00	5.50526E-01	1.26643E-01	7.66973E-01	2.24836E+00	2.25989E+00
166	12	3.52580E+02	1.24677E+00	8.54916E-01	1.14509E+00	5.42592E-01	1.24815E-01	7.55878E-01	2.21613E+00	2.22735E+00
167	12	3.57580E+02	1.22908E+00	8.42749E-01	1.12877E+00	5.34886E-01	1.23040E-01	7.45103E-01	2.18481E+00	2.19575E+00
168	12	3.62580E+02	1.21188E+00	8.30926E-01	1.11291E+00	5.27398E-01	1.21316E-01	7.34634E-01	2.15439E+00	2.16504E+00
169	12	3.67580E+02	1.19516E+00	8.19432E-01	1.09750E+00	5.20118E-01	1.19640E-01	7.24457E-01	2.12481E+00	2.13519E+00
170	12	3.72580E+02	1.17890E+00	8.08253E-01	1.08251E+00	5.13039E-01	1.18009E-01	7.14560E-01	2.09604E+00	2.10616E+00
171	12	3.77580E+02	1.16308E+00	7.97377E-01	1.06792E+00	5.06151E-01	1.16423E-01	7.04930E-01	2.06805E+00	2.07791E+00
172	12	3.82580E+02	1.14768E+00	7.86790E-01	1.05373E+00	4.99446E-01	1.14879E-01	6.95558E-01	2.04081E+00	2.05042E+00
173	12	3.87580E+02	1.13268E+00	7.76481E-01	1.03991E+00	4.92917E-01	1.13375E-01	6.86432E-01	2.01428E+00	2.02364E+00
174	12	3.92580E+02	1.11807E+00	7.66439E-01	1.02644E+00	4.86558E-01	1.11911E-01	6.77543E-01	1.98843E+00	1.99756E+00
175	12	3.97580E+02	1.10383E+00	7.56653E-01	1.01333E+00	4.80360E-01	1.10484E-01	6.68881E-01	1.96325E+00	1.97214E+00
176	12	4.02580E+02	1.08995E+00	7.47112E-01	1.00054E+00	4.74319E-01	1.09093E-01	6.60437E-01	1.93870E+00	1.94736E+00
177	12	4.07580E+02	1.07641E+00	7.37809E-01	9.88069E-01	4.68427E-01	1.07736E-01	6.52204E-01	1.91475E+00	1.92319E+00
178	12	4.12580E+02	1.06320E+00	7.28733E-01	9.75906E-01	4.62680E-01	1.06413E-01	6.44172E-01	1.89140E+00	1.89961E+00
179	12	4.17580E+02	1.05031E+00	7.19877E-01	9.64037E-01	4.57072E-01	1.05122E-01	6.36335E-01	1.86861E+00	1.87661E+00
180	12	4.22580E+02	1.03773E+00	7.11232E-01	9.52452E-01	4.51597E-01	1.03861E-01	6.28686E-01	1.84636E+00	1.85415E+00
181	12	4.27580E+02	1.02544E+00	7.02790E-01	9.41140E-01	4.46252E-01	1.02631E-01	6.21217E-01	1.82463E+00	1.83222E+00
182	12	4.32580E+02	1.01344E+00	6.94545E-01	9.30093E-01	4.41030E-01	1.01429E-01	6.13922E-01	1.80341E+00	1.81079E+00
183	12	4.37580E+02	1.00171E+00	6.86489E-01	9.19299E-01	4.35929E-01	1.00254E-01	6.06795E-01	1.78267E+00	1.78986E+00
184	12	4.42580E+02	9.90248E-01	6.78615E-01	9.08751E-01	4.30943E-01	9.91064E-02	5.99830E-01	1.76241E+00	1.76940E+00
185	12	4.47580E+02	9.79040E-01	6.70918E-01	8.98439E-01	4.26070E-01	9.79845E-02	5.93021E-01	1.74260E+00	1.74940E+00
186	12	4.52580E+02	9.68079E-01	6.63391E-01	8.88357E-01	4.21304E-01	9.68874E-02	5.86363E-01	1.72322E+00	1.72984E+00

187	12	4.57580E+02	9.57357E-01	6.56028E-01	8.78495E-01	4.16642E-01	9.58144E-02	5.79852E-01	1.70427E+00	1.71070E+00
188	12	4.62580E+02	9.46866E-01	6.48825E-01	8.68847E-01	4.12081E-01	9.47647E-02	5.73481E-01	1.68573E+00	1.69198E+00
189	12	4.67580E+02	9.36598E-01	6.41775E-01	8.59406E-01	4.07618E-01	9.37374E-02	5.67247E-01	1.66759E+00	1.67366E+00
190	12	4.72580E+02	9.26546E-01	6.34875E-01	8.50166E-01	4.03249E-01	9.27318E-02	5.61145E-01	1.64982E+00	1.65572E+00
191	12	4.77580E+02	9.16703E-01	6.28118E-01	8.41118E-01	3.98971E-01	9.17473E-02	5.55171E-01	1.63243E+00	1.63816E+00
192	12	4.82580E+02	9.07063E-01	6.21501E-01	8.32258E-01	3.94782E-01	9.07832E-02	5.49321E-01	1.61540E+00	1.62095E+00
193	12	4.87580E+02	8.97618E-01	6.15020E-01	8.23579E-01	3.90678E-01	8.98389E-02	5.43590E-01	1.59871E+00	1.60410E+00
194	12	4.92580E+02	8.88363E-01	6.08669E-01	8.15076E-01	3.86657E-01	8.89136E-02	5.37976E-01	1.58236E+00	1.58759E+00
195	12	4.97580E+02	8.79293E-01	6.02445E-01	8.06744E-01	3.82717E-01	8.80069E-02	5.32474E-01	1.56634E+00	1.57140E+00
196	12	5.02580E+02	8.70400E-01	5.96344E-01	7.98577E-01	3.78854E-01	8.71182E-02	5.27081E-01	1.55063E+00	1.55554E+00
197	12	5.07580E+02	8.61681E-01	5.90362E-01	7.90570E-01	3.75067E-01	8.62469E-02	5.21794E-01	1.53523E+00	1.53998E+00
198	12	5.12580E+02	8.53130E-01	5.84496E-01	7.82719E-01	3.71354E-01	8.53925E-02	5.16610E-01	1.52012E+00	1.52472E+00
199	12	5.17580E+02	8.44742E-01	5.78743E-01	7.75018E-01	3.67712E-01	8.45545E-02	5.11526E-01	1.50531E+00	1.50976E+00
200	12	5.22580E+02	8.36512E-01	5.73099E-01	7.67464E-01	3.64138E-01	8.37325E-02	5.06538E-01	1.49077E+00	1.49508E+00
201	12	5.27580E+02	8.28436E-01	5.67560E-01	7.60053E-01	3.60632E-01	8.29260E-02	5.01644E-01	1.47651E+00	1.48067E+00
202	12	5.32580E+02	8.20509E-01	5.62125E-01	7.52779E-01	3.57192E-01	8.21345E-02	4.96841E-01	1.46252E+00	1.46652E+00
203	12	5.37580E+02	8.12727E-01	5.56789E-01	7.45640E-01	3.53814E-01	8.13576E-02	4.92127E-01	1.44878E+00	1.45264E+00
204	12	5.42580E+02	8.05086E-01	5.51551E-01	7.38631E-01	3.50498E-01	8.05948E-02	4.87499E-01	1.43528E+00	1.43901E+00
205	12	5.47580E+02	7.97582E-01	5.46407E-01	7.31749E-01	3.47242E-01	7.98460E-02	4.82955E-01	1.42204E+00	1.42562E+00
206	12	5.52580E+02	7.90212E-01	5.41356E-01	7.24990E-01	3.44045E-01	7.91105E-02	4.78493E-01	1.40903E+00	1.41247E+00
207	12	5.57580E+02	7.82971E-01	5.36393E-01	7.18352E-01	3.40903E-01	7.83881E-02	4.74109E-01	1.39624E+00	1.39956E+00
208	12	5.62580E+02	7.75857E-01	5.31518E-01	7.11830E-01	3.37817E-01	7.76784E-02	4.69803E-01	1.38369E+00	1.38686E+00
209	12	5.67580E+02	7.68865E-01	5.26727E-01	7.05422E-01	3.34785E-01	7.69811E-02	4.65572E-01	1.37135E+00	1.37439E+00
210	12	5.72580E+02	7.61993E-01	5.22019E-01	6.99124E-01	3.31805E-01	7.62958E-02	4.61414E-01	1.35922E+00	1.36213E+00
211	12	5.77580E+02	7.55237E-01	5.17391E-01	6.92935E-01	3.28876E-01	7.56222E-02	4.57327E-01	1.34729E+00	1.35008E+00
212	12	5.82580E+02	7.48594E-01	5.12841E-01	6.86850E-01	3.25996E-01	7.49601E-02	4.53310E-01	1.33557E+00	1.33823E+00
213	12	5.87580E+02	7.42063E-01	5.08368E-01	6.80867E-01	3.23165E-01	7.43091E-02	4.49360E-01	1.32405E+00	1.32658E+00
214	12	5.92580E+02	7.35638E-01	5.03969E-01	6.74985E-01	3.20380E-01	7.36689E-02	4.45475E-01	1.31271E+00	1.31512E+00
215	12	5.97580E+02	7.29319E-01	4.99642E-01	6.69199E-01	3.17642E-01	7.30393E-02	4.41655E-01	1.30156E+00	1.30385E+00
216	12	6.02580E+02	7.23102E-01	4.95385E-01	6.63507E-01	3.14948E-01	7.24200E-02	4.37898E-01	1.29059E+00	1.29276E+00
217	12	6.07580E+02	7.16985E-01	4.91198E-01	6.57908E-01	3.12298E-01	7.18107E-02	4.34201E-01	1.27980E+00	1.28184E+00
218	12	6.12580E+02	7.10965E-01	4.87077E-01	6.52399E-01	3.09690E-01	7.12113E-02	4.30564E-01	1.26918E+00	1.27110E+00
219	12	6.17580E+02	7.05040E-01	4.83022E-01	6.46978E-01	3.07124E-01	7.06214E-02	4.26985E-01	1.25873E+00	1.26053E+00
220	12	6.22580E+02	6.99207E-01	4.79031E-01	6.41643E-01	3.04598E-01	7.00408E-02	4.23462E-01	1.24844E+00	1.25013E+00
221	12	6.27580E+02	6.93465E-01	4.75102E-01	6.36391E-01	3.02111E-01	6.94694E-02	4.19995E-01	1.23832E+00	1.23989E+00
222	12	6.32580E+02	6.87812E-01	4.71234E-01	6.31221E-01	2.99664E-01	6.89068E-02	4.16581E-01	1.22835E+00	1.22980E+00
223	12	6.37580E+02	6.82244E-01	4.67426E-01	6.26130E-01	2.97253E-01	6.83528E-02	4.13221E-01	1.21853E+00	1.21987E+00
224	12	6.42580E+02	6.76761E-01	4.63675E-01	6.21118E-01	2.94880E-01	6.78074E-02	4.09911E-01	1.20886E+00	1.21009E+00
225	12	6.47580E+02	6.71359E-01	4.59981E-01	6.16181E-01	2.92542E-01	6.72703E-02	4.06652E-01	1.19934E+00	1.20045E+00
226	12	6.52580E+02	6.66038E-01	4.56343E-01	6.11318E-01	2.90240E-01	6.67412E-02	4.03442E-01	1.18995E+00	1.19096E+00
227	12	6.57580E+02	6.60796E-01	4.52759E-01	6.06528E-01	2.87972E-01	6.62200E-02	4.00279E-01	1.18071E+00	1.18161E+00
228	12	6.62580E+02	6.55630E-01	4.49227E-01	6.01809E-01	2.85737E-01	6.57066E-02	3.97164E-01	1.17161E+00	1.17239E+00
229	12	6.67580E+02	6.50539E-01	4.45747E-01	5.97159E-01	2.83535E-01	6.52006E-02	3.94094E-01	1.16263E+00	1.16331E+00
230	12	6.72580E+02	6.45521E-01	4.42318E-01	5.92577E-01	2.81365E-01	6.47021E-02	3.91069E-01	1.15379E+00	1.15436E+00
231	12	6.77580E+02	6.40575E-01	4.38938E-01	5.88061E-01	2.79226E-01	6.42108E-02	3.88088E-01	1.14507E+00	1.14553E+00
232	12	6.82580E+02	6.35699E-01	4.35607E-01	5.83610E-01	2.77118E-01	6.37265E-02	3.85149E-01	1.13647E+00	1.13683E+00
233	12	6.87580E+02	6.30891E-01	4.32322E-01	5.79222E-01	2.75040E-01	6.32491E-02	3.82253E-01	1.12800E+00	1.12826E+00
234	12	6.92580E+02	6.26150E-01	4.29084E-01	5.74896E-01	2.72991E-01	6.27784E-02	3.79397E-01	1.11965E+00	1.11980E+00
235	12	6.97580E+02	6.21475E-01	4.25891E-01	5.70631E-01	2.70970E-01	6.23144E-02	3.76581E-01	1.11141E+00	1.11146E+00
236	12	7.02580E+02	6.16864E-01	4.22743E-01	5.66425E-01	2.68978E-01	6.18568E-02	3.73805E-01	1.10329E+00	1.10323E+00
237	12	7.07580E+02	6.12316E-01	4.19637E-01	5.62277E-01	2.67013E-01	6.14055E-02	3.71066E-01	1.09527E+00	1.09512E+00
238	12	7.12580E+02	6.07829E-01	4.16574E-01	5.58186E-01	2.65075E-01	6.09605E-02	3.68366E-01	1.08737E+00	1.08711E+00
239	12	7.17580E+02	6.03402E-01	4.13553E-01	5.54150E-01	2.63163E-01	6.05214E-02	3.65702E-01	1.07957E+00	1.07921E+00
240	12	7.22580E+02	5.99035E-01	4.10572E-01	5.50169E-01	2.61277E-01	6.00883E-02	3.63074E-01	1.07188E+00	1.07142E+00
241	12	7.27580E+02	5.94725E-01	4.07631E-01	5.46241E-01	2.59416E-01	5.96611E-02	3.60481E-01	1.06428E+00	1.06373E+00
242	12	7.32580E+02	5.90471E-01	4.04729E-01	5.42366E-01	2.57580E-01	5.92395E-02	3.57923E-01	1.05679E+00	1.05614E+00
243	12	7.37580E+02	5.86273E-01	4.01865E-01	5.38541E-01	2.55768E-01	5.88235E-02	3.55398E-01	1.04940E+00	1.04865E+00
244	12	7.42580E+02	5.82129E-01	3.99039E-01	5.34767E-01	2.53980E-01	5.84129E-02	3.52907E-01	1.04210E+00	1.04125E+00
245	12	7.47580E+02	5.78038E-01	3.96250E-01	5.31042E-01	2.52215E-01	5.80077E-02	3.50448E-01	1.03490E+00	1.03395E+00
246	12	7.52580E+02	5.73999E-01	3.93496E-01	5.27365E-01	2.50472E-01	5.76077E-02	3.48021E-01	1.02779E+00	1.02675E+00

247	12	7.57580E+02	5.70012E-01	3.90777E-01	5.23735E-01	2.48752E-01	5.72129E-02	3.45625E-01	1.02077E+00	1.01963E+00
248	12	7.62580E+02	5.66074E-01	3.88094E-01	5.20151E-01	2.47054E-01	5.68231E-02	3.43260E-01	1.01383E+00	1.01260E+00
249	12	7.67580E+02	5.62185E-01	3.85444E-01	5.16613E-01	2.45377E-01	5.64383E-02	3.40924E-01	1.00699E+00	1.00566E+00
250	12	7.72580E+02	5.58345E-01	3.82827E-01	5.13119E-01	2.43722E-01	5.60583E-02	3.38618E-01	1.00023E+00	9.98805E-01
251	12	7.77580E+02	5.54551E-01	3.80242E-01	5.09668E-01	2.42087E-01	5.56830E-02	3.36341E-01	9.93548E-01	9.92034E-01
252	12	7.82580E+02	5.50804E-01	3.77690E-01	5.06261E-01	2.40472E-01	5.53124E-02	3.34092E-01	9.86952E-01	9.85345E-01
253	12	7.87580E+02	5.47102E-01	3.75169E-01	5.02895E-01	2.38877E-01	5.49464E-02	3.31871E-01	9.80437E-01	9.78737E-01
254	12	7.92580E+02	5.43445E-01	3.72679E-01	4.99571E-01	2.37301E-01	5.45848E-02	3.29677E-01	9.74000E-01	9.72208E-01
255	12	7.97580E+02	5.39831E-01	3.70219E-01	4.96286E-01	2.35744E-01	5.42277E-02	3.27509E-01	9.67640E-01	9.65756E-01
256	12	8.02580E+02	5.36260E-01	3.67788E-01	4.93042E-01	2.34206E-01	5.38748E-02	3.25368E-01	9.61356E-01	9.59381E-01
257	12	8.07580E+02	5.32731E-01	3.65386E-01	4.89836E-01	2.32687E-01	5.35262E-02	3.23252E-01	9.55147E-01	9.53080E-01
258	12	8.12580E+02	5.29243E-01	3.63013E-01	4.86668E-01	2.31185E-01	5.31818E-02	3.21161E-01	9.49010E-01	9.46853E-01
259	12	8.17580E+02	5.25796E-01	3.60668E-01	4.83538E-01	2.29702E-01	5.28414E-02	3.19095E-01	9.42945E-01	9.40697E-01
260	12	8.22580E+02	5.22389E-01	3.58350E-01	4.80444E-01	2.28235E-01	5.25050E-02	3.17054E-01	9.36950E-01	9.34612E-01
261	12	8.27580E+02	5.19020E-01	3.56060E-01	4.77387E-01	2.26786E-01	5.21726E-02	3.15036E-01	9.31024E-01	9.28596E-01
262	12	8.32580E+02	5.15690E-01	3.53795E-01	4.74364E-01	2.25353E-01	5.18440E-02	3.13042E-01	9.25166E-01	9.22649E-01
263	12	8.37580E+02	5.12398E-01	3.51557E-01	4.71377E-01	2.23937E-01	5.15192E-02	3.11070E-01	9.19374E-01	9.16767E-01
264	12	8.42580E+02	5.09142E-01	3.49345E-01	4.68424E-01	2.22537E-01	5.11981E-02	3.09121E-01	9.13648E-01	9.10952E-01
265	12	8.47580E+02	5.05923E-01	3.47157E-01	4.65504E-01	2.21153E-01	5.08807E-02	3.07195E-01	9.07986E-01	9.05201E-01
266	12	8.52580E+02	5.02739E-01	3.44994E-01	4.62617E-01	2.19784E-01	5.05668E-02	3.05290E-01	9.02386E-01	8.99513E-01
267	12	8.57580E+02	4.99591E-01	3.42855E-01	4.59762E-01	2.18431E-01	5.02565E-02	3.03406E-01	8.96848E-01	8.93887E-01
268	12	8.62580E+02	4.96476E-01	3.40740E-01	4.56939E-01	2.17092E-01	4.99497E-02	3.01543E-01	8.91371E-01	8.88322E-01
269	12	8.67580E+02	4.93396E-01	3.38648E-01	4.54148E-01	2.15769E-01	4.96462E-02	2.99701E-01	8.85954E-01	8.82817E-01
270	12	8.72580E+02	4.90348E-01	3.36580E-01	4.51387E-01	2.14460E-01	4.93461E-02	2.97880E-01	8.80595E-01	8.77371E-01
271	12	8.77580E+02	4.87333E-01	3.34533E-01	4.48656E-01	2.13165E-01	4.90493E-02	2.96078E-01	8.75294E-01	8.71982E-01
272	12	8.82580E+02	4.84350E-01	3.32509E-01	4.45955E-01	2.11884E-01	4.87557E-02	2.94295E-01	8.70049E-01	8.66651E-01
273	12	8.87580E+02	4.81399E-01	3.30507E-01	4.43283E-01	2.10617E-01	4.84653E-02	2.92532E-01	8.64860E-01	8.61375E-01
274	12	8.92580E+02	4.78479E-01	3.28526E-01	4.40639E-01	2.09364E-01	4.81780E-02	2.90788E-01	8.59726E-01	8.56153E-01
275	12	8.97580E+02	4.75589E-01	3.26566E-01	4.38024E-01	2.08123E-01	4.78938E-02	2.89063E-01	8.54645E-01	8.50986E-01
276	12	9.02580E+02	4.72729E-01	3.24627E-01	4.35436E-01	2.06896E-01	4.76126E-02	2.87355E-01	8.49616E-01	8.45871E-01
277	12	9.07580E+02	4.69898E-01	3.22709E-01	4.32876E-01	2.05682E-01	4.73343E-02	2.85666E-01	8.44640E-01	8.40809E-01
278	12	9.12580E+02	4.67096E-01	3.20810E-01	4.30342E-01	2.04480E-01	4.70590E-02	2.83994E-01	8.39714E-01	8.35797E-01
279	12	9.17580E+02	4.64323E-01	3.18931E-01	4.27834E-01	2.03291E-01	4.67865E-02	2.82340E-01	8.34839E-01	8.30835E-01
280	12	9.22580E+02	4.61578E-01	3.17071E-01	4.25352E-01	2.02114E-01	4.65168E-02	2.80702E-01	8.30013E-01	8.25923E-01
281	12	9.27580E+02	4.58860E-01	3.15231E-01	4.22896E-01	2.00949E-01	4.62500E-02	2.79082E-01	8.25235E-01	8.21059E-01
282	12	9.32580E+02	4.56169E-01	3.13408E-01	4.20465E-01	1.99796E-01	4.59858E-02	2.77478E-01	8.20505E-01	8.16243E-01
283	12	9.37580E+02	4.53504E-01	3.11605E-01	4.18058E-01	1.98655E-01	4.57243E-02	2.75890E-01	8.15821E-01	8.11474E-01
284	12	9.42580E+02	4.50866E-01	3.09819E-01	4.15675E-01	1.97524E-01	4.54655E-02	2.74318E-01	8.11183E-01	8.06751E-01
285	12	9.47580E+02	4.48254E-01	3.08052E-01	4.13316E-01	1.96406E-01	4.52092E-02	2.72762E-01	8.06591E-01	8.02072E-01
286	12	9.52580E+02	4.45666E-01	3.06302E-01	4.10980E-01	1.95298E-01	4.49555E-02	2.71221E-01	8.02043E-01	7.97439E-01
287	12	9.57580E+02	4.43104E-01	3.04569E-01	4.08667E-01	1.94201E-01	4.47043E-02	2.69695E-01	7.97539E-01	7.92849E-01
288	12	9.62580E+02	4.40566E-01	3.02853E-01	4.06377E-01	1.93115E-01	4.44556E-02	2.68185E-01	7.93077E-01	7.88301E-01
289	12	9.67580E+02	4.38052E-01	3.01153E-01	4.04109E-01	1.92039E-01	4.42093E-02	2.66689E-01	7.88657E-01	7.83796E-01
290	12	9.72580E+02	4.35561E-01	2.99470E-01	4.01863E-01	1.90973E-01	4.39653E-02	2.65207E-01	7.84280E-01	7.79333E-01
291	12	9.77580E+02	4.33094E-01	2.97804E-01	3.99639E-01	1.89918E-01	4.37238E-02	2.63740E-01	7.79942E-01	7.74910E-01
292	12	9.82580E+02	4.30650E-01	2.96153E-01	3.97435E-01	1.88873E-01	4.34845E-02	2.62286E-01	7.75645E-01	7.70527E-01
293	12	9.87580E+02	4.28228E-01	2.94518E-01	3.95253E-01	1.87838E-01	4.32475E-02	2.60847E-01	7.71387E-01	7.66183E-01
294	12	9.92580E+02	4.25828E-01	2.92898E-01	3.93091E-01	1.86812E-01	4.30127E-02	2.59420E-01	7.67168E-01	7.61878E-01
295	12	9.97580E+02	4.23450E-01	2.91293E-01	3.90949E-01	1.85796E-01	4.27802E-02	2.58008E-01	7.62987E-01	7.57611E-01
296	12	1.00258E+03	4.21094E-01	2.89703E-01	3.88826E-01	1.84789E-01	4.25498E-02	2.56608E-01	7.58844E-01	7.53381E-01
297	12	1.00758E+03	4.18758E-01	2.88128E-01	3.86724E-01	1.83792E-01	4.23215E-02	2.55221E-01	7.54737E-01	7.49188E-01
298	12	1.01258E+03	4.16444E-01	2.86567E-01	3.84640E-01	1.82803E-01	4.20953E-02	2.53847E-01	7.50665E-01	7.45031E-01
299	12	1.01758E+03	4.14149E-01	2.85020E-01	3.82575E-01	1.81823E-01	4.18712E-02	2.52485E-01	7.46630E-01	7.40909E-01
300	12	1.02258E+03	4.11875E-01	2.83488E-01	3.80529E-01	1.80853E-01	4.16491E-02	2.51135E-01	7.42629E-01	7.36821E-01
301	12	1.02758E+03	4.09620E-01	2.81969E-01	3.78501E-01	1.79890E-01	4.14290E-02	2.49798E-01	7.38662E-01	7.32768E-01
302	12	1.03258E+03	4.07385E-01	2.80463E-01	3.76491E-01	1.78937E-01	4.12109E-02	2.48472E-01	7.34729E-01	7.28747E-01
303	12	1.03758E+03	4.05168E-01	2.78971E-01	3.74498E-01	1.77991E-01	4.09947E-02	2.47158E-01	7.30829E-01	7.24760E-01
304	12	1.04258E+03	4.02971E-01	2.77492E-01	3.72523E-01	1.77054E-01	4.07803E-02	2.45855E-01	7.26961E-01	7.20804E-01
305	12	1.04758E+03	4.00791E-01	2.76025E-01	3.70565E-01	1.76125E-01	4.05679E-02	2.44564E-01	7.23125E-01	7.16880E-01
306	12	1.05258E+03	3.98630E-01	2.74572E-01	3.68624E-01	1.75204E-01	4.03572E-02	2.43283E-01	7.19319E-01	7.12987E-01

307	12	1.05758E+03	3.96486E-01	2.73130E-01	3.66699E-01	1.74290E-01	4.01484E-02	2.42014E-01	7.15545E-01	7.09123E-01
308	12	1.06258E+03	3.94360E-01	2.71701E-01	3.64790E-01	1.73384E-01	3.99413E-02	2.40755E-01	7.11800E-01	7.05289E-01
309	12	1.06758E+03	3.92251E-01	2.70284E-01	3.62897E-01	1.72486E-01	3.97360E-02	2.39506E-01	7.08084E-01	7.01484E-01
310	12	1.07258E+03	3.90159E-01	2.68879E-01	3.61019E-01	1.71595E-01	3.95324E-02	2.38268E-01	7.04397E-01	6.97707E-01
311	12	1.07758E+03	3.88083E-01	2.67485E-01	3.59157E-01	1.70711E-01	3.93304E-02	2.37040E-01	7.00737E-01	6.93958E-01
312	12	1.08258E+03	3.86023E-01	2.66102E-01	3.57310E-01	1.69834E-01	3.91301E-02	2.35822E-01	6.97106E-01	6.90235E-01
313	12	1.08758E+03	3.83979E-01	2.64731E-01	3.55478E-01	1.68965E-01	3.89315E-02	2.34613E-01	6.93501E-01	6.86539E-01
314	12	1.09258E+03	3.81950E-01	2.63371E-01	3.53660E-01	1.68102E-01	3.87343E-02	2.33415E-01	6.89922E-01	6.82868E-01
315	12	1.09758E+03	3.79937E-01	2.62021E-01	3.51856E-01	1.67246E-01	3.85388E-02	2.32225E-01	6.86368E-01	6.79222E-01
316	12	1.10258E+03	3.77939E-01	2.60682E-01	3.50066E-01	1.66396E-01	3.83448E-02	2.31044E-01	6.82840E-01	6.75600E-01
317	12	1.10758E+03	3.75955E-01	2.59354E-01	3.48289E-01	1.65553E-01	3.81522E-02	2.29873E-01	6.79335E-01	6.72001E-01
318	12	1.11258E+03	3.73985E-01	2.58035E-01	3.46526E-01	1.64716E-01	3.79612E-02	2.28710E-01	6.75854E-01	6.68426E-01
319	12	1.11758E+03	3.72029E-01	2.56726E-01	3.44776E-01	1.63885E-01	3.77715E-02	2.27556E-01	6.72396E-01	6.64872E-01
320	12	1.12258E+03	3.70087E-01	2.55428E-01	3.43039E-01	1.63060E-01	3.75833E-02	2.26410E-01	6.68961E-01	6.61339E-01
321	12	1.12758E+03	3.68158E-01	2.54138E-01	3.41313E-01	1.62241E-01	3.73964E-02	2.25272E-01	6.65546E-01	6.57827E-01
322	12	1.13258E+03	3.66242E-01	2.52858E-01	3.39600E-01	1.61428E-01	3.72109E-02	2.24143E-01	6.62153E-01	6.54334E-01
323	12	1.13758E+03	3.64338E-01	2.51587E-01	3.37899E-01	1.60620E-01	3.70267E-02	2.23021E-01	6.58779E-01	6.50861E-01
324	12	1.14258E+03	3.62447E-01	2.50325E-01	3.36210E-01	1.59818E-01	3.68438E-02	2.21907E-01	6.55425E-01	6.47405E-01

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield

0 TOTAL FLUX - G=GROUP NO. N= 16

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	3.60905E+04	5.89437E+04	4.69525E+04	4.00061E+04	8.38727E+04	9.56615E+04	8.78601E+04	8.11002E+04
2	1	1.00000E+00	3.60941E+04	5.89461E+04	4.69541E+04	4.00086E+04	8.38764E+04	9.56643E+04	8.78575E+04	8.10995E+04
3	1	2.67567E+00	3.60845E+04	5.89289E+04	4.69381E+04	3.99928E+04	8.38417E+04	9.56205E+04	8.78184E+04	8.10664E+04
4	1	5.02700E+00	3.60532E+04	5.88805E+04	4.68940E+04	3.99477E+04	8.37464E+04	9.55034E+04	8.77212E+04	8.09813E+04
5	1	7.37833E+00	3.60012E+04	5.88025E+04	4.68229E+04	3.98748E+04	8.35938E+04	9.53170E+04	8.75681E+04	8.08464E+04
6	1	9.72967E+00	3.59300E+04	5.86960E+04	4.67258E+04	3.97751E+04	8.33861E+04	9.50636E+04	8.73595E+04	8.06628E+04
7	1	1.20810E+01	3.58396E+04	5.85610E+04	4.66025E+04	3.96488E+04	8.31236E+04	9.47434E+04	8.70956E+04	8.04308E+04
8	1	1.44323E+01	3.57300E+04	5.83971E+04	4.64526E+04	3.94955E+04	8.28057E+04	9.43557E+04	8.67759E+04	8.01505E+04
9	1	1.67837E+01	3.56007E+04	5.82036E+04	4.62752E+04	3.93144E+04	8.24317E+04	9.38998E+04	8.64003E+04	7.98220E+04
10	1	1.91350E+01	3.54510E+04	5.79795E+04	4.60694E+04	3.91049E+04	8.20008E+04	9.33749E+04	8.59689E+04	7.94456E+04
11	1	2.14863E+01	3.52802E+04	5.77238E+04	4.58342E+04	3.88659E+04	8.15118E+04	9.27799E+04	8.54815E+04	7.90217E+04
12	1	2.38377E+01	3.50875E+04	5.74354E+04	4.55683E+04	3.85964E+04	8.09638E+04	9.21138E+04	8.49384E+04	7.85507E+04
13	1	2.61890E+01	3.48716E+04	5.71127E+04	4.52702E+04	3.82953E+04	8.03554E+04	9.13754E+04	8.43396E+04	7.80334E+04
14	1	2.85403E+01	3.46316E+04	5.67543E+04	4.49383E+04	3.79610E+04	7.96856E+04	9.05636E+04	8.36854E+04	7.74704E+04
15	1	3.08917E+01	3.43659E+04	5.63584E+04	4.45709E+04	3.75923E+04	7.89529E+04	8.96771E+04	8.29763E+04	7.68629E+04
16	1	3.32430E+01	3.40732E+04	5.59232E+04	4.41658E+04	3.71874E+04	7.81561E+04	8.87146E+04	8.22132E+04	7.62121E+04
17	1	3.55943E+01	3.37517E+04	5.54464E+04	4.37209E+04	3.67445E+04	7.72939E+04	8.76746E+04	8.13968E+04	7.55194E+04
18	1	3.79457E+01	3.33995E+04	5.49259E+04	4.32334E+04	3.62616E+04	7.63648E+04	8.65557E+04	8.05284E+04	7.47866E+04
19	1	4.02970E+01	3.30145E+04	5.43589E+04	4.27006E+04	3.57365E+04	7.53676E+04	8.53565E+04	7.96099E+04	7.40158E+04
20	1	4.26483E+01	3.25941E+04	5.37427E+04	4.21192E+04	3.51667E+04	7.43010E+04	8.40752E+04	7.86435E+04	7.32095E+04
21	1	4.49997E+01	3.21358E+04	5.30741E+04	4.14856E+04	3.45497E+04	7.31640E+04	8.27104E+04	7.76321E+04	7.23708E+04
22	1	4.73510E+01	3.16363E+04	5.23498E+04	4.07959E+04	3.38824E+04	7.19555E+04	8.12603E+04	7.65792E+04	7.15031E+04
23	1	4.97023E+01	3.10922E+04	5.15658E+04	4.00452E+04	3.31616E+04	7.06750E+04	7.97232E+04	7.54897E+04	7.06105E+04
24	1	5.20537E+01	3.04993E+04	5.07180E+04	3.92285E+04	3.23836E+04	6.93221E+04	7.80972E+04	7.43694E+04	6.96979E+04
25	1	5.44050E+01	2.98527E+04	4.98016E+04	3.83395E+04	3.15443E+04	6.78970E+04	7.63804E+04	7.32260E+04	6.87709E+04
26	1	5.67563E+01	2.91468E+04	4.88115E+04	3.73712E+04	3.06387E+04	6.64005E+04	7.45705E+04	7.20690E+04	6.78361E+04
27	1	5.91077E+01	2.83743E+04	4.77414E+04	3.63147E+04	2.96612E+04	6.48344E+04	7.26649E+04	7.09109E+04	6.69016E+04
28	1	6.14590E+01	2.75261E+04	4.65844E+04	3.51594E+04	2.86045E+04	6.32020E+04	7.06604E+04	6.97680E+04	6.59769E+04
29	1	6.38103E+01	2.65898E+04	4.53320E+04	3.38906E+04	2.74589E+04	6.15094E+04	6.85520E+04	6.86626E+04	6.50740E+04
30	1	6.61617E+01	2.55475E+04	4.39736E+04	3.24873E+04	2.62100E+04	5.97681E+04	6.63321E+04	6.76278E+04	6.42094E+04
31	1	6.85130E+01	2.43705E+04	4.24963E+04	3.09146E+04	2.48338E+04	5.80035E+04	6.39866E+04	6.67218E+04	6.34100E+04
32	1	7.08643E+01	2.30087E+04	4.08859E+04	2.91040E+04	2.32847E+04	5.62806E+04	6.14849E+04	6.60955E+04	6.27284E+04
33	1	7.27900E+01	2.17245E+04	3.94717E+04	2.73942E+04	2.18568E+04	5.49737E+04	5.93004E+04	6.59655E+04	6.23028E+04
34	1	7.37900E+01	2.09746E+04	3.86999E+04	2.63897E+04	2.10358E+04	5.43710E+04	5.81001E+04	6.61464E+04	6.21561E+04
0										
35	2	7.43575E+01	1.97085E+04	3.74686E+04	2.51196E+04	1.97033E+04	5.32912E+04	5.64429E+04	6.62119E+04	6.18624E+04
36	2	7.49925E+01	1.77169E+04	3.53720E+04	2.32271E+04	1.77002E+04	5.12189E+04	5.38082E+04	6.57472E+04	6.11216E+04
37	2	7.56275E+01	1.59695E+04	3.32584E+04	2.15158E+04	1.60585E+04	4.88546E+04	5.12818E+04	6.46372E+04	5.99940E+04
38	2	7.62625E+01	1.44099E+04	3.11915E+04	1.99341E+04	1.46513E+04	4.62801E+04	4.88628E+04	6.31132E+04	5.84574E+04

0										
39	3	7.68300E+01	1.36523E+04	3.01658E+04	1.91525E+04	1.39868E+04	4.48966E+04	4.76807E+04	6.22692E+04	5.75371E+04
40	3	7.73300E+01	1.36183E+04	3.01529E+04	1.91210E+04	1.39701E+04	4.48095E+04	4.76862E+04	6.22829E+04	5.74604E+04
41	3	7.78300E+01	1.35910E+04	3.01526E+04	1.90980E+04	1.39584E+04	4.47334E+04	4.77077E+04	6.23057E+04	5.73891E+04
0										
42	4	7.83300E+01	1.30635E+04	2.93697E+04	1.84976E+04	1.35253E+04	4.36959E+04	4.67710E+04	6.16110E+04	5.66458E+04
43	4	7.88300E+01	1.20576E+04	2.77501E+04	1.73302E+04	1.26691E+04	4.18644E+04	4.47722E+04	6.01055E+04	5.54696E+04
44	4	7.93300E+01	1.11012E+04	2.60435E+04	1.61921E+04	1.18201E+04	4.03835E+04	4.25878E+04	5.84411E+04	5.47794E+04
45	4	7.98300E+01	1.01890E+04	2.42532E+04	1.50810E+04	1.09819E+04	3.92974E+04	4.01978E+04	5.66511E+04	5.46575E+04
0										
46	5	8.03300E+01	9.38080E+03	2.25666E+04	1.41373E+04	1.01717E+04	3.85079E+04	3.79088E+04	5.48074E+04	5.48259E+04
47	5	8.10800E+01	8.38197E+03	2.04556E+04	1.30170E+04	9.11424E+03	3.71681E+04	3.50954E+04	5.20271E+04	5.44760E+04
48	5	8.20800E+01	7.20415E+03	1.79688E+04	1.16391E+04	7.90100E+03	3.49981E+04	3.17941E+04	4.82994E+04	5.31593E+04
49	5	8.30800E+01	6.20002E+03	1.58242E+04	1.04007E+04	6.88343E+03	3.25556E+04	2.89024E+04	4.45678E+04	5.10738E+04
50	5	8.40800E+01	5.33987E+03	1.39442E+04	9.28589E+03	6.01145E+03	3.00228E+04	2.62843E+04	4.08532E+04	4.84956E+04
51	5	8.50800E+01	4.60297E+03	1.22860E+04	8.28237E+03	5.25793E+03	2.74811E+04	2.38822E+04	3.71664E+04	4.55596E+04
52	5	8.60800E+01	3.97286E+03	1.08204E+04	7.37910E+03	4.60327E+03	2.49652E+04	2.16654E+04	3.35095E+04	4.23426E+04
53	5	8.70800E+01	3.43581E+03	9.52402E+03	6.56516E+03	4.03180E+03	2.24825E+04	1.96121E+04	2.98694E+04	3.88875E+04
54	5	8.80800E+01	2.98021E+03	8.37405E+03	5.82800E+03	3.53000E+03	2.00112E+04	1.77018E+04	2.62044E+04	3.51970E+04
55	5	8.90800E+01	2.59592E+03	7.34385E+03	5.14939E+03	3.08236E+03	1.74821E+04	1.59025E+04	2.23648E+04	3.11941E+04
56	5	8.98300E+01	2.34361E+03	6.62363E+03	4.66179E+03	2.76777E+03	1.54979E+04	1.45945E+04	1.92420E+04	2.79372E+04
0										
57	6	9.03300E+01	2.26263E+03	6.37928E+03	4.49070E+03	2.66163E+03	1.47631E+04	1.41385E+04	1.80671E+04	2.67178E+04
58	6	9.08300E+01	2.25435E+03	6.35371E+03	4.46911E+03	2.65372E+03	1.46808E+04	1.40906E+04	1.79798E+04	2.66038E+04
59	6	9.20800E+01	2.23598E+03	6.29763E+03	4.42159E+03	2.63658E+03	1.45019E+04	1.39871E+04	1.77919E+04	2.63577E+04
60	6	9.41425E+01	2.20899E+03	6.21627E+03	4.35231E+03	2.61208E+03	1.42447E+04	1.38395E+04	1.75243E+04	2.60060E+04
61	6	9.62675E+01	2.18571E+03	6.14751E+03	4.29324E+03	2.59189E+03	1.40304E+04	1.37186E+04	1.73055E+04	2.57161E+04
62	6	9.83925E+01	2.16599E+03	6.09054E+03	4.24373E+03	2.57561E+03	1.38548E+04	1.36220E+04	1.71302E+04	2.54814E+04
63	6	1.00517E+02	2.14909E+03	6.04279E+03	4.20163E+03	2.56236E+03	1.37088E+04	1.35443E+04	1.69880E+04	2.52886E+04
64	6	1.02642E+02	2.13448E+03	6.00254E+03	4.16553E+03	2.55153E+03	1.35863E+04	1.34820E+04	1.68725E+04	2.51289E+04
65	6	1.04767E+02	2.12180E+03	5.96868E+03	4.13448E+03	2.54273E+03	1.34834E+04	1.34330E+04	1.67794E+04	2.49967E+04
66	6	1.06892E+02	2.11080E+03	5.94048E+03	4.10786E+03	2.53571E+03	1.33976E+04	1.33959E+04	1.67063E+04	2.48882E+04
67	6	1.09017E+02	2.10133E+03	5.91753E+03	4.08532E+03	2.53031E+03	1.33273E+04	1.33699E+04	1.66517E+04	2.48015E+04
68	6	1.11142E+02	2.09331E+03	5.89971E+03	4.06669E+03	2.52647E+03	1.32721E+04	1.33552E+04	1.66158E+04	2.47357E+04
69	6	1.13267E+02	2.08671E+03	5.88717E+03	4.05205E+03	2.52423E+03	1.32321E+04	1.33523E+04	1.65994E+04	2.46913E+04
70	6	1.15392E+02	2.08161E+03	5.88036E+03	4.04166E+03	2.52369E+03	1.32085E+04	1.33627E+04	1.66047E+04	2.46702E+04
71	6	1.17517E+02	2.07817E+03	5.88009E+03	4.03603E+03	2.52511E+03	1.32032E+04	1.33884E+04	1.66352E+04	2.46755E+04
72	6	1.19080E+02	2.07663E+03	5.88385E+03	4.03476E+03	2.52733E+03	1.32105E+04	1.34168E+04	1.66732E+04	2.46954E+04
73	6	1.19830E+02	2.07633E+03	5.88744E+03	4.03542E+03	2.52894E+03	1.32189E+04	1.34347E+04	1.66985E+04	2.47122E+04
0										
74	7	1.20330E+02	2.04743E+03	5.79009E+03	3.96310E+03	2.49520E+03	1.29140E+04	1.32584E+04	1.61485E+04	2.41770E+04
0										
75	8	1.20838E+02	1.99766E+03	5.60993E+03	3.81851E+03	2.43576E+03	1.23472E+04	1.29082E+04	1.52558E+04	2.30458E+04
76	8	1.21355E+02	1.95040E+03	5.43724E+03	3.67025E+03	2.37883E+03	1.18209E+04	1.25484E+04	1.45895E+04	2.18535E+04
77	8	1.21872E+02	1.89355E+03	5.24667E+03	3.51469E+03	2.30993E+03	1.12802E+04	1.21438E+04	1.39256E+04	2.06391E+04
78	8	1.22388E+02	1.82939E+03	5.04276E+03	3.35462E+03	2.23172E+03	1.07303E+04	1.17032E+04	1.32651E+04	1.94221E+04
79	8	1.22905E+02	1.75953E+03	4.82856E+03	3.19192E+03	2.14606E+03	1.01758E+04	1.12334E+04	1.26081E+04	1.82120E+04
80	8	1.23422E+02	1.68513E+03	4.60617E+03	3.02780E+03	2.05430E+03	9.61915E+03	1.07381E+04	1.19547E+04	1.70136E+04
81	8	1.23938E+02	1.60699E+03	4.37698E+03	2.86299E+03	1.95733E+03	9.06150E+03	1.02209E+04	1.13042E+04	1.58288E+04
82	8	1.24455E+02	1.52558E+03	4.14179E+03	2.69790E+03	1.85574E+03	8.50319E+03	9.68361E+03	1.06558E+04	1.46576E+04
83	8	1.24972E+02	1.44119E+03	3.90090E+03	2.53247E+03	1.74987E+03	7.94365E+03	9.12717E+03	1.00085E+04	1.34987E+04
84	8	1.25488E+02	1.35388E+03	3.65416E+03	2.36650E+03	1.63975E+03	7.38146E+03	8.55145E+03	9.36042E+03	1.23494E+04
85	8	1.26005E+02	1.26348E+03	3.40087E+03	2.19947E+03	1.52519E+03	6.81420E+03	7.95524E+03	8.70917E+03	1.12034E+04
86	8	1.26522E+02	1.16958E+03	3.13974E+03	2.03046E+03	1.40566E+03	6.23822E+03	7.33605E+03	8.05146E+03	1.00533E+04
87	8	1.27038E+02	1.07146E+03	2.86873E+03	1.85813E+03	1.28026E+03	5.64822E+03	6.68977E+03	7.38277E+03	8.88636E+03
88	8	1.27555E+02	9.68032E+02	2.58477E+03	1.68048E+03	1.14753E+03	5.03660E+03	6.01018E+03	6.69654E+03	7.68194E+03
89	8	1.28072E+02	8.57644E+02	2.28341E+03	1.49467E+03	1.00528E+03	4.39250E+03	5.28823E+03	5.98397E+03	6.40570E+03
0										
90	9	1.28584E+02	7.14428E+02	1.87338E+03	1.23801E+03	8.07768E+02	3.42744E+03	4.13672E+03	4.86690E+03	4.76374E+03
91	9	1.29092E+02	5.68782E+02	1.45050E+03	9.67172E+02	6.07577E+02	2.42820E+03	2.91497E+03	3.62983E+03	3.26574E+03

92	9	1.29601E+02	4.65335E+02	1.16125E+03	7.77530E+02	4.78031E+02	1.82048E+03	2.17935E+03	2.80088E+03	2.40816E+03
93	9	1.30109E+02	3.87709E+02	9.49078E+02	6.35895E+02	3.85463E+02	1.40557E+03	1.67700E+03	2.19744E+03	1.82515E+03
94	9	1.30618E+02	3.26984E+02	7.85731E+02	5.25617E+02	3.15200E+02	1.10304E+03	1.31024E+03	1.73989E+03	1.40328E+03
95	9	1.31126E+02	2.78060E+02	6.55970E+02	4.37527E+02	2.59998E+02	8.74585E+02	1.03337E+03	1.38588E+03	1.08965E+03
96	9	1.31634E+02	2.37839E+02	5.50845E+02	3.66038E+02	2.15762E+02	6.98686E+02	8.20625E+02	1.10899E+03	8.52895E+02
97	9	1.32143E+02	2.04316E+02	4.64589E+02	3.07424E+02	1.79879E+02	5.61610E+02	6.55365E+02	8.90899E+02	6.72120E+02
98	9	1.32651E+02	1.76110E+02	3.93215E+02	2.59039E+02	1.50537E+02	4.53871E+02	5.25996E+02	7.18267E+02	5.32840E+02
99	9	1.33159E+02	1.52216E+02	3.33799E+02	2.18890E+02	1.26398E+02	3.68604E+02	4.24088E+02	5.81044E+02	4.24701E+02
100	9	1.33667E+02	1.31878E+02	2.84111E+02	1.85438E+02	1.06445E+02	3.00731E+02	3.43386E+02	4.71566E+02	3.40196E+02
101	9	1.34176E+02	1.14498E+02	2.42401E+02	1.57472E+02	8.98859E+01	2.46411E+02	2.79164E+02	3.83927E+02	2.73766E+02
102	9	1.34684E+02	9.95996E+01	2.07283E+02	1.34022E+02	7.60957E+01	2.02728E+02	2.27831E+02	3.13553E+02	2.21270E+02
103	9	1.35193E+02	8.67953E+01	1.77631E+02	1.14309E+02	6.45752E+01	1.67438E+02	1.86629E+02	2.56873E+02	1.79582E+02
104	9	1.35701E+02	7.57651E+01	1.52530E+02	9.76949E+01	5.49236E+01	1.38804E+02	1.53429E+02	2.11086E+02	1.46334E+02
105	9	1.36209E+02	6.62438E+01	1.31233E+02	8.36618E+01	4.68165E+01	1.15481E+02	1.26578E+02	1.73995E+02	1.19706E+02
106	9	1.36717E+02	5.80092E+01	1.13126E+02	7.17834E+01	3.99905E+01	9.64099E+01	1.04786E+02	1.43864E+02	9.82948E+01
107	9	1.37226E+02	5.08766E+01	9.76990E+01	6.17087E+01	3.42304E+01	8.07594E+01	8.70387E+01	1.19321E+02	8.10146E+01
108	9	1.37734E+02	4.46886E+01	8.45333E+01	5.31485E+01	2.93597E+01	6.78721E+01	7.25397E+01	9.92744E+01	6.70191E+01
109	9	1.38243E+02	3.93131E+01	7.32784E+01	4.58622E+01	2.52334E+01	5.72257E+01	6.06575E+01	8.28574E+01	5.56451E+01
110	9	1.38751E+02	3.46381E+01	6.36431E+01	3.96507E+01	2.17319E+01	4.84048E+01	5.08914E+01	6.93781E+01	4.63715E+01
111	9	1.39259E+02	3.05688E+01	5.53842E+01	3.43475E+01	1.87562E+01	4.10757E+01	4.28416E+01	5.82828E+01	3.87867E+01
112	9	1.39768E+02	2.70248E+01	4.82985E+01	2.98141E+01	1.62243E+01	3.49706E+01	3.61896E+01	4.91277E+01	3.25651E+01
113	9	1.40276E+02	2.39384E+01	4.22168E+01	2.59352E+01	1.40685E+01	2.98743E+01	3.06797E+01	4.15566E+01	2.74483E+01
114	9	1.40784E+02	2.12540E+01	3.69999E+01	2.26148E+01	1.22328E+01	2.56136E+01	2.61074E+01	3.52835E+01	2.32306E+01
115	9	1.41292E+02	1.89268E+01	3.25351E+01	1.97742E+01	1.06724E+01	2.20504E+01	2.23094E+01	3.00789E+01	1.97489E+01
116	9	1.41801E+02	1.69242E+01	2.87370E+01	1.73507E+01	9.35288E+00	1.90769E+01	1.91577E+01	2.57604E+01	1.68748E+01
117	9	1.42309E+02	1.52299E+01	2.55548E+01	1.52991E+01	8.25347E+00	1.66171E+01	1.65585E+01	2.21889E+01	1.45120E+01
118	9	1.42818E+02	1.38515E+01	2.29898E+01	1.35979E+01	7.37732E+00	1.46386E+01	1.44640E+01	1.92782E+01	1.26063E+01
119	9	1.43326E+02	1.28387E+01	2.11406E+01	1.22640E+01	6.78147E+00	1.31958E+01	1.29184E+01	1.70507E+01	1.12159E+01
0										
120	10	1.43830E+02	1.21187E+01	1.98718E+01	1.13051E+01	6.37453E+00	1.22293E+01	1.18995E+01	1.55734E+01	1.01341E+01
121	10	1.44330E+02	1.13489E+01	1.85748E+01	1.04278E+01	5.91798E+00	1.13389E+01	1.10000E+01	1.43990E+01	8.95377E+00
0										
122	11	1.44830E+02	1.00502E+01	1.64414E+01	9.21476E+00	5.08931E+00	9.92597E+00	9.62692E+00	1.21916E+01	7.45943E+00
0										
123	12	1.45330E+02	9.17198E+00	1.50019E+01	8.45638E+00	4.50719E+00	8.97239E+00	8.71937E+00	1.05659E+01	6.58304E+00
124	12	1.46080E+02	9.07021E+00	1.48287E+01	8.35882E+00	4.45203E+00	8.86220E+00	8.61210E+00	1.04325E+01	6.49941E+00
125	12	1.47580E+02	8.88095E+00	1.45074E+01	8.17793E+00	4.35005E+00	8.65847E+00	8.41376E+00	1.01863E+01	6.34518E+00
126	12	1.50580E+02	8.54851E+00	1.39456E+01	7.86189E+00	4.17283E+00	8.30444E+00	8.06914E+00	9.75960E+00	6.07852E+00
127	12	1.55236E+02	8.11140E+00	1.32113E+01	7.44934E+00	3.94315E+00	7.84565E+00	7.62262E+00	9.20878E+00	5.73530E+00
128	12	1.60549E+02	7.69663E+00	1.25196E+01	7.06120E+00	3.72891E+00	7.41769E+00	7.20624E+00	8.69740E+00	5.41777E+00
129	12	1.65861E+02	7.34797E+00	1.19420E+01	6.73753E+00	3.55170E+00	7.06371E+00	6.86198E+00	8.27635E+00	5.15719E+00
130	12	1.71174E+02	7.04507E+00	1.14426E+01	6.45805E+00	3.39962E+00	6.75992E+00	6.56664E+00	7.91631E+00	4.93490E+00
131	12	1.76486E+02	6.77602E+00	1.10007E+01	6.21093E+00	3.26577E+00	6.49254E+00	6.30681E+00	7.60033E+00	4.74014E+00
132	12	1.81799E+02	6.53335E+00	1.06032E+01	5.98882E+00	3.14589E+00	6.25308E+00	6.07420E+00	7.31798E+00	4.56631E+00
133	12	1.87111E+02	6.31208E+00	1.02415E+01	5.78683E+00	3.03718E+00	6.03593E+00	5.86334E+00	7.06241E+00	4.40910E+00
134	12	1.92424E+02	6.10866E+00	9.90954E+00	5.60154E+00	2.93768E+00	5.83719E+00	5.67042E+00	6.82888E+00	4.26552E+00
135	12	1.97580E+02	5.92563E+00	9.61129E+00	5.43510E+00	2.84848E+00	5.65902E+00	5.49750E+00	6.61976E+00	4.13699E+00
136	12	2.02580E+02	5.76032E+00	9.34219E+00	5.28497E+00	2.76814E+00	5.49856E+00	5.34182E+00	6.43165E+00	4.02139E+00
137	12	2.07580E+02	5.60539E+00	9.09023E+00	5.14442E+00	2.69303E+00	5.34857E+00	5.19633E+00	6.25595E+00	3.91343E+00
138	12	2.12580E+02	5.45975E+00	8.85355E+00	5.01242E+00	2.62257E+00	5.20786E+00	5.05986E+00	6.09126E+00	3.81223E+00
139	12	2.17580E+02	5.32244E+00	8.63057E+00	4.88806E+00	2.55626E+00	5.07546E+00	4.93148E+00	5.93639E+00	3.71706E+00
140	12	2.22580E+02	5.19268E+00	8.41997E+00	4.77061E+00	2.49369E+00	4.95055E+00	4.81038E+00	5.79036E+00	3.62731E+00
141	12	2.27580E+02	5.06979E+00	8.22060E+00	4.65943E+00	2.43452E+00	4.83241E+00	4.69586E+00	5.65233E+00	3.54246E+00
142	12	2.32580E+02	4.95316E+00	8.03149E+00	4.55397E+00	2.37843E+00	4.72045E+00	4.58735E+00	5.52157E+00	3.46206E+00
143	12	2.37580E+02	4.84228E+00	7.85176E+00	4.45373E+00	2.32516E+00	4.61414E+00	4.48431E+00	5.39744E+00	3.38572E+00
144	12	2.42580E+02	4.73669E+00	7.68067E+00	4.35830E+00	2.27447E+00	4.51300E+00	4.38630E+00	5.27939E+00	3.31311E+00
145	12	2.47580E+02	4.63598E+00	7.51753E+00	4.26730E+00	2.22618E+00	4.41663E+00	4.29293E+00	5.16694E+00	3.24392E+00
146	12	2.52580E+02	4.53979E+00	7.36176E+00	4.18040E+00	2.18008E+00	4.32467E+00	4.20382E+00	5.05966E+00	3.17788E+00
147	12	2.57580E+02	4.44780E+00	7.21281E+00	4.09729E+00	2.13602E+00	4.23678E+00	4.11868E+00	4.95715E+00	3.11477E+00
148	12	2.62580E+02	4.35971E+00	7.07022E+00	4.01772E+00	2.09386E+00	4.15269E+00	4.03721E+00	4.85908E+00	3.05436E+00

149	12	2.67580E+02	4.27526E+00	6.93354E+00	3.94143E+00	2.05346E+00	4.07213E+00	3.95916E+00	4.76513E+00	2.99648E+00
150	12	2.72580E+02	4.19421E+00	6.80239E+00	3.86822E+00	2.01471E+00	3.99485E+00	3.88431E+00	4.67503E+00	2.94095E+00
151	12	2.77580E+02	4.11635E+00	6.67642E+00	3.79788E+00	1.97749E+00	3.92066E+00	3.81243E+00	4.58852E+00	2.88761E+00
152	12	2.82580E+02	4.04147E+00	6.55529E+00	3.73023E+00	1.94171E+00	3.84934E+00	3.74335E+00	4.50537E+00	2.83632E+00
153	12	2.87580E+02	3.96941E+00	6.43871E+00	3.66511E+00	1.90729E+00	3.78074E+00	3.67690E+00	4.42538E+00	2.78696E+00
154	12	2.92580E+02	3.89998E+00	6.32642E+00	3.60237E+00	1.87413E+00	3.71467E+00	3.61290E+00	4.34836E+00	2.73942E+00
155	12	2.97580E+02	3.83305E+00	6.21816E+00	3.54187E+00	1.84218E+00	3.65100E+00	3.55122E+00	4.27412E+00	2.69357E+00
156	12	3.02580E+02	3.76846E+00	6.11371E+00	3.48348E+00	1.81135E+00	3.58958E+00	3.49173E+00	4.20251E+00	2.64933E+00
157	12	3.07580E+02	3.70610E+00	6.01286E+00	3.42710E+00	1.78158E+00	3.53030E+00	3.43431E+00	4.13338E+00	2.60661E+00
158	12	3.12580E+02	3.64584E+00	5.91541E+00	3.37259E+00	1.75282E+00	3.47303E+00	3.37883E+00	4.06660E+00	2.56531E+00
159	12	3.17580E+02	3.58757E+00	5.82119E+00	3.31988E+00	1.72502E+00	3.41766E+00	3.32520E+00	4.00203E+00	2.52538E+00
160	12	3.22580E+02	3.53119E+00	5.73002E+00	3.26887E+00	1.69812E+00	3.36411E+00	3.27333E+00	3.93957E+00	2.48672E+00
161	12	3.27580E+02	3.47661E+00	5.64176E+00	3.21947E+00	1.67207E+00	3.31227E+00	3.22311E+00	3.87910E+00	2.44929E+00
162	12	3.32580E+02	3.42373E+00	5.55625E+00	3.17159E+00	1.64684E+00	3.26206E+00	3.17447E+00	3.82053E+00	2.41301E+00
163	12	3.37580E+02	3.37247E+00	5.47336E+00	3.12518E+00	1.62239E+00	3.21340E+00	3.12733E+00	3.76375E+00	2.37783E+00
164	12	3.42580E+02	3.32276E+00	5.39298E+00	3.08014E+00	1.59867E+00	3.16621E+00	3.08162E+00	3.70869E+00	2.34370E+00
165	12	3.47580E+02	3.27452E+00	5.31498E+00	3.03644E+00	1.57565E+00	3.12043E+00	3.03726E+00	3.65526E+00	2.31056E+00
166	12	3.52580E+02	3.22769E+00	5.23925E+00	2.99399E+00	1.55331E+00	3.07599E+00	2.99421E+00	3.60339E+00	2.27838E+00
167	12	3.57580E+02	3.18220E+00	5.16568E+00	2.95274E+00	1.53160E+00	3.03283E+00	2.95239E+00	3.55300E+00	2.24711E+00
168	12	3.62580E+02	3.13799E+00	5.09420E+00	2.91265E+00	1.51051E+00	2.99090E+00	2.91175E+00	3.50404E+00	2.21670E+00
169	12	3.67580E+02	3.09501E+00	5.02469E+00	2.87365E+00	1.49000E+00	2.95012E+00	2.87225E+00	3.45642E+00	2.18712E+00
170	12	3.72580E+02	3.05321E+00	4.95708E+00	2.83571E+00	1.47005E+00	2.91047E+00	2.83383E+00	3.41011E+00	2.15833E+00
171	12	3.77580E+02	3.01253E+00	4.89129E+00	2.79878E+00	1.45063E+00	2.87189E+00	2.79644E+00	3.36504E+00	2.13031E+00
172	12	3.82580E+02	2.97292E+00	4.82724E+00	2.76281E+00	1.43173E+00	2.83433E+00	2.76004E+00	3.32115E+00	2.10301E+00
173	12	3.87580E+02	2.93436E+00	4.76486E+00	2.72778E+00	1.41332E+00	2.79776E+00	2.72460E+00	3.27841E+00	2.07641E+00
174	12	3.92580E+02	2.89678E+00	4.70409E+00	2.69363E+00	1.39538E+00	2.76213E+00	2.69006E+00	3.23676E+00	2.05048E+00
175	12	3.97580E+02	2.86016E+00	4.64485E+00	2.66033E+00	1.37789E+00	2.72740E+00	2.65641E+00	3.19617E+00	2.02519E+00
176	12	4.02580E+02	2.82446E+00	4.58709E+00	2.62786E+00	1.36084E+00	2.69355E+00	2.62359E+00	3.15658E+00	2.00052E+00
177	12	4.07580E+02	2.78964E+00	4.53076E+00	2.59618E+00	1.34421E+00	2.66053E+00	2.59159E+00	3.11796E+00	1.97644E+00
178	12	4.12580E+02	2.75566E+00	4.47579E+00	2.56525E+00	1.32798E+00	2.62831E+00	2.56036E+00	3.08027E+00	1.95294E+00
179	12	4.17580E+02	2.72250E+00	4.42214E+00	2.53506E+00	1.31214E+00	2.59687E+00	2.52988E+00	3.04349E+00	1.92998E+00
180	12	4.22580E+02	2.69012E+00	4.36976E+00	2.50557E+00	1.29667E+00	2.56618E+00	2.50012E+00	3.00757E+00	1.90756E+00
181	12	4.27580E+02	2.65851E+00	4.31860E+00	2.47676E+00	1.28156E+00	2.53620E+00	2.47106E+00	2.97247E+00	1.88564E+00
182	12	4.32580E+02	2.62762E+00	4.26861E+00	2.44861E+00	1.26679E+00	2.50692E+00	2.44266E+00	2.93819E+00	1.86422E+00
183	12	4.37580E+02	2.59744E+00	4.21977E+00	2.42108E+00	1.25237E+00	2.47830E+00	2.41491E+00	2.90467E+00	1.84327E+00
184	12	4.42580E+02	2.56793E+00	4.17202E+00	2.39417E+00	1.23826E+00	2.45032E+00	2.38779E+00	2.87191E+00	1.82278E+00
185	12	4.47580E+02	2.53908E+00	4.12533E+00	2.36784E+00	1.22446E+00	2.42297E+00	2.36126E+00	2.83986E+00	1.80273E+00
186	12	4.52580E+02	2.51087E+00	4.07966E+00	2.34208E+00	1.21097E+00	2.39622E+00	2.33532E+00	2.80851E+00	1.78311E+00
187	12	4.57580E+02	2.48327E+00	4.03497E+00	2.31687E+00	1.19777E+00	2.37005E+00	2.30993E+00	2.77784E+00	1.76390E+00
188	12	4.62580E+02	2.45626E+00	3.99125E+00	2.29219E+00	1.18484E+00	2.34444E+00	2.28509E+00	2.74781E+00	1.74509E+00
189	12	4.67580E+02	2.42982E+00	3.94844E+00	2.26803E+00	1.17219E+00	2.31937E+00	2.26077E+00	2.71841E+00	1.72666E+00
190	12	4.72580E+02	2.40393E+00	3.90653E+00	2.24436E+00	1.15980E+00	2.29482E+00	2.23696E+00	2.68962E+00	1.70861E+00
191	12	4.77580E+02	2.37858E+00	3.86549E+00	2.22117E+00	1.14767E+00	2.27078E+00	2.21364E+00	2.66142E+00	1.69092E+00
192	12	4.82580E+02	2.35375E+00	3.82528E+00	2.19844E+00	1.13578E+00	2.24723E+00	2.19080E+00	2.63378E+00	1.67357E+00
193	12	4.87580E+02	2.32942E+00	3.78588E+00	2.17617E+00	1.12413E+00	2.22416E+00	2.16841E+00	2.60670E+00	1.65657E+00
194	12	4.92580E+02	2.30558E+00	3.74727E+00	2.15434E+00	1.11271E+00	2.20155E+00	2.14647E+00	2.58016E+00	1.63990E+00
195	12	4.97580E+02	2.28221E+00	3.70942E+00	2.13292E+00	1.10152E+00	2.17938E+00	2.12497E+00	2.55413E+00	1.62354E+00
196	12	5.02580E+02	2.25930E+00	3.67231E+00	2.11192E+00	1.09054E+00	2.15765E+00	2.10388E+00	2.52860E+00	1.60749E+00
197	12	5.07580E+02	2.23683E+00	3.63591E+00	2.09132E+00	1.07977E+00	2.13634E+00	2.08319E+00	2.50356E+00	1.59174E+00
198	12	5.12580E+02	2.21480E+00	3.60021E+00	2.07111E+00	1.06921E+00	2.11543E+00	2.06290E+00	2.47899E+00	1.57628E+00
199	12	5.17580E+02	2.19317E+00	3.56518E+00	2.05126E+00	1.05884E+00	2.09492E+00	2.04300E+00	2.45488E+00	1.56111E+00
200	12	5.22580E+02	2.17196E+00	3.53081E+00	2.03179E+00	1.04867E+00	2.07479E+00	2.02346E+00	2.43122E+00	1.54620E+00
201	12	5.27580E+02	2.15114E+00	3.49707E+00	2.01267E+00	1.03869E+00	2.05504E+00	2.00428E+00	2.40798E+00	1.53157E+00
202	12	5.32580E+02	2.13070E+00	3.46395E+00	1.99389E+00	1.02888E+00	2.03565E+00	1.98546E+00	2.38517E+00	1.51719E+00
203	12	5.37580E+02	2.11064E+00	3.43143E+00	1.97544E+00	1.01925E+00	2.01661E+00	1.96697E+00	2.36277E+00	1.50306E+00
204	12	5.42580E+02	2.09093E+00	3.39949E+00	1.95732E+00	1.00980E+00	1.99791E+00	1.94882E+00	2.34076E+00	1.48918E+00
205	12	5.47580E+02	2.07158E+00	3.36812E+00	1.93952E+00	1.00051E+00	1.97954E+00	1.93098E+00	2.31914E+00	1.47553E+00
206	12	5.52580E+02	2.05257E+00	3.33730E+00	1.92202E+00	9.91383E-01	1.96149E+00	1.91346E+00	2.29789E+00	1.46211E+00
207	12	5.57580E+02	2.03389E+00	3.30702E+00	1.90483E+00	9.82414E-01	1.94376E+00	1.89624E+00	2.27700E+00	1.44892E+00
208	12	5.62580E+02	2.01553E+00	3.27726E+00	1.88792E+00	9.73599E-01	1.92634E+00	1.87932E+00	2.25648E+00	1.43595E+00

209	12	5.67580E+02	1.99749E+00	3.24800E+00	1.87130E+00	9.64933E-01	1.90921E+00	1.86268E+00	2.23629E+00	1.42319E+00
210	12	5.72580E+02	1.97975E+00	3.21925E+00	1.85495E+00	9.56413E-01	1.89237E+00	1.84633E+00	2.21644E+00	1.41064E+00
211	12	5.77580E+02	1.96232E+00	3.19097E+00	1.83887E+00	9.48034E-01	1.87582E+00	1.83025E+00	2.19692E+00	1.39829E+00
212	12	5.82580E+02	1.94517E+00	3.16316E+00	1.82305E+00	9.39794E-01	1.85953E+00	1.81443E+00	2.17772E+00	1.38613E+00
213	12	5.87580E+02	1.92831E+00	3.13581E+00	1.80749E+00	9.31688E-01	1.84352E+00	1.79887E+00	2.15883E+00	1.37417E+00
214	12	5.92580E+02	1.91172E+00	3.10891E+00	1.79217E+00	9.23713E-01	1.82777E+00	1.78357E+00	2.14024E+00	1.36239E+00
215	12	5.97580E+02	1.89541E+00	3.08244E+00	1.77710E+00	9.15866E-01	1.81227E+00	1.76851E+00	2.12194E+00	1.35080E+00
216	12	6.02580E+02	1.87935E+00	3.05639E+00	1.76226E+00	9.08144E-01	1.79702E+00	1.75369E+00	2.10394E+00	1.33938E+00
217	12	6.07580E+02	1.86355E+00	3.03075E+00	1.74766E+00	9.00543E-01	1.78201E+00	1.73910E+00	2.08621E+00	1.32814E+00
218	12	6.12580E+02	1.84800E+00	3.00552E+00	1.73328E+00	8.93060E-01	1.76723E+00	1.72474E+00	2.06876E+00	1.31706E+00
219	12	6.17580E+02	1.83269E+00	2.98068E+00	1.71911E+00	8.85694E-01	1.75268E+00	1.71060E+00	2.05157E+00	1.30615E+00
220	12	6.22580E+02	1.81762E+00	2.95622E+00	1.70517E+00	8.78440E-01	1.73836E+00	1.69669E+00	2.03464E+00	1.29540E+00
221	12	6.27580E+02	1.80278E+00	2.93214E+00	1.69143E+00	8.71296E-01	1.72426E+00	1.68298E+00	2.01797E+00	1.28481E+00
222	12	6.32580E+02	1.78817E+00	2.90842E+00	1.67789E+00	8.64260E-01	1.71037E+00	1.66948E+00	2.00155E+00	1.27437E+00
223	12	6.37580E+02	1.77378E+00	2.88506E+00	1.66455E+00	8.57329E-01	1.69669E+00	1.65617E+00	1.98536E+00	1.26408E+00
224	12	6.42580E+02	1.75960E+00	2.86205E+00	1.65141E+00	8.50500E-01	1.68321E+00	1.64307E+00	1.96942E+00	1.25393E+00
225	12	6.47580E+02	1.74564E+00	2.83937E+00	1.63846E+00	8.43771E-01	1.66994E+00	1.63016E+00	1.95370E+00	1.24393E+00
226	12	6.52580E+02	1.73188E+00	2.81703E+00	1.62569E+00	8.37141E-01	1.65685E+00	1.61744E+00	1.93821E+00	1.23407E+00
227	12	6.57580E+02	1.71832E+00	2.79502E+00	1.61311E+00	8.30606E-01	1.64396E+00	1.60490E+00	1.92294E+00	1.22434E+00
228	12	6.62580E+02	1.70496E+00	2.77332E+00	1.60070E+00	8.24164E-01	1.63125E+00	1.59254E+00	1.90788E+00	1.21475E+00
229	12	6.67580E+02	1.69179E+00	2.75193E+00	1.58846E+00	8.17814E-01	1.61872E+00	1.58035E+00	1.89304E+00	1.20529E+00
230	12	6.72580E+02	1.67880E+00	2.73084E+00	1.57640E+00	8.11553E-01	1.60637E+00	1.56834E+00	1.87840E+00	1.19595E+00
231	12	6.77580E+02	1.66600E+00	2.71005E+00	1.56450E+00	8.05379E-01	1.59419E+00	1.55649E+00	1.86396E+00	1.18674E+00
232	12	6.82580E+02	1.65338E+00	2.68955E+00	1.55276E+00	7.99291E-01	1.58218E+00	1.54481E+00	1.84972E+00	1.17765E+00
233	12	6.87580E+02	1.64094E+00	2.66933E+00	1.54118E+00	7.93286E-01	1.57033E+00	1.53328E+00	1.83567E+00	1.16868E+00
234	12	6.92580E+02	1.62866E+00	2.64939E+00	1.52975E+00	7.87363E-01	1.55865E+00	1.52192E+00	1.82181E+00	1.15983E+00
235	12	6.97580E+02	1.61656E+00	2.62972E+00	1.51848E+00	7.81521E-01	1.54713E+00	1.51070E+00	1.80813E+00	1.15109E+00
236	12	7.02580E+02	1.60462E+00	2.61031E+00	1.50736E+00	7.75756E-01	1.53576E+00	1.49964E+00	1.79463E+00	1.14246E+00
237	12	7.07580E+02	1.59284E+00	2.59117E+00	1.49638E+00	7.70068E-01	1.52454E+00	1.48872E+00	1.78130E+00	1.13394E+00
238	12	7.12580E+02	1.58121E+00	2.57228E+00	1.48554E+00	7.64455E-01	1.51347E+00	1.47795E+00	1.76815E+00	1.12553E+00
239	12	7.17580E+02	1.56974E+00	2.55363E+00	1.47484E+00	7.58915E-01	1.50255E+00	1.46732E+00	1.75517E+00	1.11722E+00
240	12	7.22580E+02	1.55842E+00	2.53524E+00	1.46428E+00	7.53448E-01	1.49177E+00	1.45682E+00	1.74235E+00	1.10901E+00
241	12	7.27580E+02	1.54725E+00	2.51708E+00	1.45386E+00	7.48051E-01	1.48112E+00	1.44646E+00	1.72970E+00	1.10091E+00
242	12	7.32580E+02	1.53623E+00	2.49915E+00	1.44356E+00	7.42723E-01	1.47062E+00	1.43623E+00	1.71720E+00	1.09290E+00
243	12	7.37580E+02	1.52534E+00	2.48145E+00	1.43339E+00	7.37462E-01	1.46025E+00	1.42614E+00	1.70486E+00	1.08499E+00
244	12	7.42580E+02	1.51460E+00	2.46398E+00	1.42335E+00	7.32268E-01	1.45000E+00	1.41616E+00	1.69267E+00	1.07717E+00
245	12	7.47580E+02	1.50399E+00	2.44673E+00	1.41343E+00	7.27138E-01	1.43989E+00	1.40631E+00	1.68063E+00	1.06945E+00
246	12	7.52580E+02	1.49351E+00	2.42969E+00	1.40363E+00	7.22072E-01	1.42990E+00	1.39659E+00	1.66873E+00	1.06182E+00
247	12	7.57580E+02	1.48317E+00	2.41286E+00	1.39395E+00	7.17069E-01	1.42004E+00	1.38698E+00	1.65698E+00	1.05427E+00
248	12	7.62580E+02	1.47295E+00	2.39624E+00	1.38438E+00	7.12127E-01	1.41029E+00	1.37749E+00	1.64536E+00	1.04681E+00
249	12	7.67580E+02	1.46285E+00	2.37982E+00	1.37493E+00	7.07244E-01	1.40067E+00	1.36811E+00	1.63389E+00	1.03944E+00
250	12	7.72580E+02	1.45288E+00	2.36361E+00	1.36559E+00	7.02420E-01	1.39116E+00	1.35884E+00	1.62254E+00	1.03215E+00
251	12	7.77580E+02	1.44304E+00	2.34758E+00	1.35636E+00	6.97654E-01	1.38176E+00	1.34969E+00	1.61133E+00	1.02494E+00
252	12	7.82580E+02	1.43330E+00	2.33175E+00	1.34723E+00	6.92945E-01	1.37247E+00	1.34064E+00	1.60025E+00	1.01782E+00
253	12	7.87580E+02	1.42369E+00	2.31610E+00	1.33822E+00	6.88290E-01	1.36330E+00	1.33170E+00	1.58929E+00	1.01077E+00
254	12	7.92580E+02	1.41419E+00	2.30064E+00	1.32930E+00	6.83690E-01	1.35423E+00	1.32286E+00	1.57846E+00	1.00380E+00
255	12	7.97580E+02	1.40480E+00	2.28536E+00	1.32049E+00	6.79144E-01	1.34526E+00	1.31412E+00	1.56775E+00	9.96902E-01
256	12	8.02580E+02	1.39552E+00	2.27025E+00	1.31177E+00	6.74650E-01	1.33640E+00	1.30549E+00	1.55716E+00	9.90081E-01
257	12	8.07580E+02	1.38634E+00	2.25532E+00	1.30315E+00	6.70207E-01	1.32764E+00	1.29695E+00	1.54669E+00	9.83333E-01
258	12	8.12580E+02	1.37728E+00	2.24056E+00	1.29463E+00	6.65814E-01	1.31898E+00	1.28850E+00	1.53633E+00	9.76656E-01
259	12	8.17580E+02	1.36831E+00	2.22597E+00	1.28620E+00	6.61471E-01	1.31041E+00	1.28015E+00	1.52608E+00	9.70050E-01
260	12	8.22580E+02	1.35945E+00	2.21154E+00	1.27787E+00	6.57177E-01	1.30195E+00	1.27190E+00	1.51595E+00	9.63512E-01
261	12	8.27580E+02	1.35069E+00	2.19727E+00	1.26962E+00	6.52930E-01	1.29357E+00	1.26373E+00	1.50592E+00	9.57042E-01
262	12	8.32580E+02	1.34202E+00	2.18316E+00	1.26146E+00	6.48730E-01	1.28529E+00	1.25565E+00	1.49600E+00	9.50638E-01
263	12	8.37580E+02	1.33345E+00	2.16920E+00	1.25339E+00	6.44576E-01	1.27709E+00	1.24766E+00	1.48618E+00	9.44299E-01
264	12	8.42580E+02	1.32498E+00	2.15540E+00	1.24541E+00	6.40467E-01	1.26899E+00	1.23976E+00	1.47647E+00	9.38024E-01
265	12	8.47580E+02	1.31659E+00	2.14175E+00	1.23751E+00	6.36402E-01	1.26097E+00	1.23194E+00	1.46685E+00	9.31812E-01
266	12	8.52580E+02	1.30830E+00	2.12824E+00	1.22969E+00	6.32381E-01	1.25304E+00	1.22420E+00	1.45734E+00	9.25661E-01
267	12	8.57580E+02	1.30010E+00	2.11488E+00	1.22195E+00	6.28402E-01	1.24519E+00	1.21654E+00	1.44792E+00	9.19570E-01
268	12	8.62580E+02	1.29198E+00	2.10165E+00	1.21429E+00	6.24466E-01	1.23742E+00	1.20896E+00	1.43859E+00	9.13539E-01

269	12	8.67580E+02	1.28395E+00	2.08857E+00	1.20671E+00	6.20570E-01	1.22974E+00	1.20146E+00	1.42936E+00	9.07566E-01
270	12	8.72580E+02	1.27601E+00	2.07562E+00	1.19921E+00	6.16715E-01	1.22213E+00	1.19404E+00	1.42022E+00	9.01651E-01
271	12	8.77580E+02	1.26815E+00	2.06281E+00	1.19178E+00	6.12900E-01	1.21460E+00	1.18669E+00	1.41117E+00	8.95791E-01
272	12	8.82580E+02	1.26036E+00	2.05013E+00	1.18443E+00	6.09124E-01	1.20715E+00	1.17942E+00	1.40221E+00	8.89986E-01
273	12	8.87580E+02	1.25266E+00	2.03758E+00	1.17714E+00	6.05386E-01	1.19977E+00	1.17222E+00	1.39333E+00	8.84235E-01
274	12	8.92580E+02	1.24504E+00	2.02516E+00	1.16993E+00	6.01686E-01	1.19247E+00	1.16508E+00	1.38454E+00	8.78537E-01
275	12	8.97580E+02	1.23750E+00	2.01286E+00	1.16280E+00	5.98023E-01	1.18524E+00	1.15802E+00	1.37583E+00	8.72892E-01
276	12	9.02580E+02	1.23003E+00	2.00068E+00	1.15572E+00	5.94396E-01	1.17808E+00	1.15103E+00	1.36721E+00	8.67297E-01
277	12	9.07580E+02	1.22263E+00	1.98863E+00	1.14872E+00	5.90805E-01	1.17098E+00	1.14411E+00	1.35866E+00	8.61753E-01
278	12	9.12580E+02	1.21531E+00	1.97669E+00	1.14178E+00	5.87250E-01	1.16396E+00	1.13725E+00	1.35019E+00	8.56258E-01
279	12	9.17580E+02	1.20806E+00	1.96487E+00	1.13491E+00	5.83728E-01	1.15701E+00	1.13046E+00	1.34180E+00	8.50811E-01
280	12	9.22580E+02	1.20089E+00	1.95316E+00	1.12811E+00	5.80241E-01	1.15012E+00	1.12373E+00	1.33349E+00	8.45412E-01
281	12	9.27580E+02	1.19378E+00	1.94157E+00	1.12136E+00	5.76787E-01	1.14330E+00	1.11706E+00	1.32525E+00	8.40059E-01
282	12	9.32580E+02	1.18674E+00	1.93008E+00	1.11468E+00	5.73365E-01	1.13654E+00	1.11046E+00	1.31708E+00	8.34752E-01
283	12	9.37580E+02	1.17976E+00	1.91871E+00	1.10806E+00	5.69976E-01	1.12984E+00	1.10391E+00	1.30899E+00	8.29490E-01
284	12	9.42580E+02	1.17286E+00	1.90744E+00	1.10150E+00	5.66619E-01	1.12320E+00	1.09743E+00	1.30096E+00	8.24272E-01
285	12	9.47580E+02	1.16601E+00	1.89627E+00	1.09500E+00	5.63292E-01	1.11663E+00	1.09100E+00	1.29300E+00	8.19097E-01
286	12	9.52580E+02	1.15923E+00	1.88521E+00	1.08855E+00	5.59996E-01	1.11011E+00	1.08463E+00	1.28511E+00	8.13964E-01
287	12	9.57580E+02	1.15252E+00	1.87425E+00	1.08217E+00	5.56730E-01	1.10365E+00	1.07832E+00	1.27729E+00	8.08873E-01
288	12	9.62580E+02	1.14586E+00	1.86339E+00	1.07583E+00	5.53493E-01	1.09725E+00	1.07206E+00	1.26953E+00	8.03822E-01
289	12	9.67580E+02	1.13927E+00	1.85263E+00	1.06956E+00	5.50286E-01	1.09091E+00	1.06586E+00	1.26184E+00	7.98812E-01
290	12	9.72580E+02	1.13273E+00	1.84196E+00	1.06333E+00	5.47106E-01	1.08462E+00	1.05971E+00	1.25420E+00	7.93840E-01
291	12	9.77580E+02	1.12625E+00	1.83138E+00	1.05716E+00	5.43955E-01	1.07838E+00	1.05361E+00	1.24663E+00	7.88907E-01
292	12	9.82580E+02	1.11983E+00	1.82090E+00	1.05104E+00	5.40831E-01	1.07220E+00	1.04756E+00	1.23912E+00	7.84012E-01
293	12	9.87580E+02	1.11347E+00	1.81051E+00	1.04498E+00	5.37733E-01	1.06607E+00	1.04157E+00	1.23166E+00	7.79153E-01
294	12	9.92580E+02	1.10716E+00	1.80021E+00	1.03896E+00	5.34662E-01	1.05999E+00	1.03562E+00	1.22427E+00	7.74329E-01
295	12	9.97580E+02	1.10091E+00	1.78999E+00	1.03299E+00	5.31618E-01	1.05396E+00	1.02972E+00	1.21692E+00	7.69542E-01
296	12	1.00258E+03	1.09471E+00	1.77986E+00	1.02707E+00	5.28598E-01	1.04798E+00	1.02386E+00	1.20964E+00	7.64788E-01
297	12	1.00758E+03	1.08856E+00	1.76982E+00	1.02119E+00	5.25603E-01	1.04205E+00	1.01806E+00	1.20240E+00	7.60068E-01
298	12	1.01258E+03	1.08246E+00	1.75986E+00	1.01537E+00	5.22633E-01	1.03616E+00	1.01230E+00	1.19522E+00	7.55381E-01
299	12	1.01758E+03	1.07641E+00	1.74997E+00	1.00958E+00	5.19687E-01	1.03032E+00	1.00658E+00	1.18809E+00	7.50726E-01
300	12	1.02258E+03	1.07041E+00	1.74017E+00	1.00384E+00	5.16764E-01	1.02453E+00	1.00091E+00	1.18101E+00	7.46102E-01
301	12	1.02758E+03	1.06446E+00	1.73044E+00	9.98150E-01	5.13864E-01	1.01877E+00	9.95276E-01	1.17398E+00	7.41508E-01
302	12	1.03258E+03	1.05856E+00	1.72079E+00	9.92498E-01	5.10987E-01	1.01307E+00	9.89686E-01	1.16699E+00	7.36945E-01
303	12	1.03758E+03	1.05270E+00	1.71122E+00	9.86888E-01	5.08131E-01	1.00740E+00	9.84137E-01	1.16005E+00	7.32410E-01
304	12	1.04258E+03	1.04689E+00	1.70172E+00	9.81318E-01	5.05298E-01	1.00178E+00	9.78627E-01	1.15315E+00	7.27902E-01
305	12	1.04758E+03	1.04112E+00	1.69229E+00	9.75788E-01	5.02485E-01	9.96193E-01	9.73155E-01	1.14630E+00	7.23423E-01
306	12	1.05258E+03	1.03540E+00	1.68293E+00	9.70297E-01	4.99693E-01	9.90648E-01	9.67722E-01	1.13948E+00	7.18969E-01
307	12	1.05758E+03	1.02972E+00	1.67363E+00	9.64844E-01	4.96921E-01	9.85141E-01	9.62324E-01	1.13271E+00	7.14541E-01
308	12	1.06258E+03	1.02408E+00	1.66441E+00	9.59428E-01	4.94169E-01	9.79671E-01	9.56962E-01	1.12597E+00	7.10137E-01
309	12	1.06758E+03	1.01848E+00	1.65525E+00	9.54048E-01	4.91436E-01	9.74237E-01	9.51635E-01	1.11928E+00	7.05757E-01
310	12	1.07258E+03	1.01292E+00	1.64615E+00	9.48703E-01	4.88722E-01	9.68838E-01	9.46340E-01	1.11262E+00	7.01400E-01
311	12	1.07758E+03	1.00740E+00	1.63711E+00	9.43393E-01	4.86026E-01	9.63473E-01	9.41079E-01	1.10599E+00	6.97064E-01
312	12	1.08258E+03	1.00191E+00	1.62813E+00	9.38115E-01	4.83347E-01	9.58141E-01	9.35848E-01	1.09939E+00	6.92749E-01
313	12	1.08758E+03	9.96467E-01	1.61921E+00	9.32870E-01	4.80686E-01	9.52840E-01	9.30648E-01	1.09283E+00	6.88455E-01
314	12	1.09258E+03	9.91056E-01	1.61035E+00	9.27656E-01	4.78041E-01	9.47570E-01	9.25477E-01	1.08629E+00	6.84179E-01
315	12	1.09758E+03	9.85678E-01	1.60154E+00	9.22472E-01	4.75413E-01	9.42329E-01	9.20334E-01	1.07978E+00	6.79920E-01
316	12	1.10258E+03	9.80334E-01	1.59279E+00	9.17318E-01	4.72800E-01	9.37117E-01	9.15217E-01	1.07330E+00	6.75679E-01
317	12	1.10758E+03	9.75023E-01	1.58409E+00	9.12191E-01	4.70202E-01	9.31931E-01	9.10125E-01	1.06684E+00	6.71453E-01
318	12	1.11258E+03	9.69742E-01	1.57543E+00	9.07091E-01	4.67618E-01	9.26772E-01	9.05058E-01	1.06041E+00	6.67241E-01
319	12	1.11758E+03	9.64491E-01	1.56682E+00	9.02017E-01	4.65048E-01	9.21636E-01	9.00014E-01	1.05399E+00	6.63043E-01
320	12	1.12258E+03	9.59269E-01	1.55826E+00	8.96967E-01	4.62492E-01	9.16524E-01	8.94992E-01	1.04759E+00	6.58856E-01
321	12	1.12758E+03	9.54075E-01	1.54974E+00	8.91941E-01	4.59949E-01	9.11434E-01	8.89989E-01	1.04121E+00	6.54680E-01
322	12	1.13258E+03	9.48906E-01	1.54126E+00	8.86937E-01	4.57417E-01	9.06364E-01	8.85006E-01	1.03484E+00	6.50513E-01
323	12	1.13758E+03	9.43763E-01	1.53282E+00	8.81954E-01	4.54897E-01	9.01312E-01	8.80039E-01	1.02848E+00	6.46354E-01
324	12	1.14258E+03	9.38643E-01	1.52442E+00	8.76990E-01	4.52387E-01	8.96278E-01	8.75089E-01	1.02213E+00	6.42201E-01

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0 TOTAL FLUX - G=GROUP NO. N= 24

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	2.19886E+05	1.86369E+05	1.63793E+05	1.26602E+05	6.71924E+04	4.98526E+04	1.73914E+04	2.27550E+04

2	1	1.00000E+00	2.19884E+05	1.86365E+05	1.63788E+05	1.26598E+05	6.71903E+04	4.98508E+04	1.73908E+04	2.27541E+04
3	1	2.67567E+00	2.19777E+05	1.86277E+05	1.63712E+05	1.26539E+05	6.71567E+04	4.98238E+04	1.73818E+04	2.27426E+04
4	1	5.02700E+00	2.19502E+05	1.86054E+05	1.63519E+05	1.26393E+05	6.70723E+04	4.97558E+04	1.73592E+04	2.27139E+04
5	1	7.37833E+00	2.19064E+05	1.85700E+05	1.63214E+05	1.26160E+05	6.69384E+04	4.96480E+04	1.73235E+04	2.26686E+04
6	1	9.72967E+00	2.18466E+05	1.85218E+05	1.62799E+05	1.25844E+05	6.67554E+04	4.95005E+04	1.72749E+04	2.26068E+04
7	1	1.20810E+01	2.17710E+05	1.84609E+05	1.62273E+05	1.25443E+05	6.65232E+04	4.93132E+04	1.72135E+04	2.25287E+04
8	1	1.44323E+01	2.16793E+05	1.83872E+05	1.61637E+05	1.24958E+05	6.62415E+04	4.90858E+04	1.71393E+04	2.24345E+04
9	1	1.67837E+01	2.15715E+05	1.83007E+05	1.60891E+05	1.24389E+05	6.59101E+04	4.88179E+04	1.70524E+04	2.23244E+04
10	1	1.91350E+01	2.14474E+05	1.82017E+05	1.60036E+05	1.23737E+05	6.55286E+04	4.85091E+04	1.69532E+04	2.21988E+04
11	1	2.14863E+01	2.13068E+05	1.80900E+05	1.59074E+05	1.23003E+05	6.50966E+04	4.81589E+04	1.68418E+04	2.20579E+04
12	1	2.38377E+01	2.11497E+05	1.79659E+05	1.58004E+05	1.22187E+05	6.46136E+04	4.77668E+04	1.67188E+04	2.19025E+04
13	1	2.61890E+01	2.09757E+05	1.78294E+05	1.56829E+05	1.21290E+05	6.40791E+04	4.73321E+04	1.65844E+04	2.17330E+04
14	1	2.85403E+01	2.07848E+05	1.76808E+05	1.55549E+05	1.20314E+05	6.34923E+04	4.68542E+04	1.64394E+04	2.15503E+04
15	1	3.08917E+01	2.05768E+05	1.75203E+05	1.54166E+05	1.19259E+05	6.28525E+04	4.63323E+04	1.62846E+04	2.13553E+04
16	1	3.32430E+01	2.03512E+05	1.73480E+05	1.52683E+05	1.18127E+05	6.21586E+04	4.57653E+04	1.61209E+04	2.11491E+04
17	1	3.55943E+01	2.01080E+05	1.71644E+05	1.51100E+05	1.16919E+05	6.14092E+04	4.51523E+04	1.59498E+04	2.09330E+04
18	1	3.79457E+01	1.98466E+05	1.69696E+05	1.49420E+05	1.15637E+05	6.06027E+04	4.44921E+04	1.57727E+04	2.07087E+04
19	1	4.02970E+01	1.95668E+05	1.67641E+05	1.47646E+05	1.14282E+05	5.97370E+04	4.37833E+04	1.55919E+04	2.04780E+04
20	1	4.26483E+01	1.92681E+05	1.65484E+05	1.45780E+05	1.12856E+05	5.88099E+04	4.30243E+04	1.54100E+04	2.02432E+04
21	1	4.49997E+01	1.89500E+05	1.63231E+05	1.43824E+05	1.11361E+05	5.78181E+04	4.22134E+04	1.52305E+04	2.00069E+04
22	1	4.73510E+01	1.86119E+05	1.60887E+05	1.41781E+05	1.09799E+05	5.67580E+04	4.13486E+04	1.50578E+04	1.97723E+04
23	1	4.97023E+01	1.82529E+05	1.58461E+05	1.39654E+05	1.08171E+05	5.56251E+04	4.04280E+04	1.48977E+04	1.95429E+04
24	1	5.20537E+01	1.78723E+05	1.55963E+05	1.37445E+05	1.06479E+05	5.44137E+04	3.94494E+04	1.47575E+04	1.93229E+04
25	1	5.44050E+01	1.74689E+05	1.53402E+05	1.35159E+05	1.04726E+05	5.31168E+04	3.84100E+04	1.46470E+04	1.91173E+04
26	1	5.67563E+01	1.70414E+05	1.50792E+05	1.32797E+05	1.02914E+05	5.17259E+04	3.73071E+04	1.45790E+04	1.89315E+04
27	1	5.91077E+01	1.65880E+05	1.48151E+05	1.30361E+05	1.01045E+05	5.02298E+04	3.61378E+04	1.45707E+04	1.87720E+04
28	1	6.14590E+01	1.61064E+05	1.45498E+05	1.27854E+05	9.91204E+04	4.86145E+04	3.48993E+04	1.46460E+04	1.86459E+04
29	1	6.38103E+01	1.55936E+05	1.42860E+05	1.25276E+05	9.71429E+04	4.68608E+04	3.35880E+04	1.48400E+04	1.85614E+04
30	1	6.61617E+01	1.50443E+05	1.40277E+05	1.22627E+05	9.51139E+04	4.49402E+04	3.21996E+04	1.52101E+04	1.85284E+04
31	1	6.85130E+01	1.44494E+05	1.37814E+05	1.19902E+05	9.30337E+04	4.28030E+04	3.07275E+04	1.58735E+04	1.85594E+04
32	1	7.08643E+01	1.37886E+05	1.35626E+05	1.17088E+05	9.08984E+04	4.03339E+04	2.91599E+04	1.71621E+04	1.86666E+04
33	1	7.27900E+01	1.31809E+05	1.34196E+05	1.14709E+05	8.91060E+04	3.79548E+04	2.78002E+04	1.90733E+04	1.88033E+04
34	1	7.37900E+01	1.28295E+05	1.33680E+05	1.13438E+05	8.81557E+04	3.65172E+04	2.70609E+04	2.06161E+04	1.88876E+04
0										
35	2	7.43575E+01	1.23083E+05	1.32619E+05	1.10969E+05	8.65989E+04	3.37291E+04	2.35229E+04	2.17110E+04	1.89788E+04
36	2	7.49925E+01	1.15258E+05	1.30123E+05	1.06672E+05	8.40475E+04	2.97570E+04	1.84570E+04	2.20903E+04	1.89775E+04
37	2	7.56275E+01	1.08631E+05	1.26736E+05	1.02273E+05	8.17059E+04	2.69388E+04	1.55857E+04	2.12428E+04	1.87208E+04
38	2	7.62625E+01	1.02932E+05	1.22631E+05	9.74568E+04	7.98170E+04	2.46743E+04	1.37901E+04	1.96379E+04	1.82840E+04
0										
39	3	7.68300E+01	1.00313E+05	1.20360E+05	9.48426E+04	7.90731E+04	2.36431E+04	1.31485E+04	1.85874E+04	1.80304E+04
40	3	7.73300E+01	1.00338E+05	1.20299E+05	9.47540E+04	7.91549E+04	2.36372E+04	1.31507E+04	1.84457E+04	1.80262E+04
41	3	7.78300E+01	1.00386E+05	1.20251E+05	9.46765E+04	7.92442E+04	2.36349E+04	1.31534E+04	1.83107E+04	1.80242E+04
0										
42	4	7.83300E+01	9.81314E+04	1.18328E+05	9.26318E+04	7.82454E+04	2.29142E+04	1.28587E+04	1.69923E+04	1.75535E+04
43	4	7.88300E+01	9.32635E+04	1.14761E+05	8.92074E+04	7.53693E+04	2.14579E+04	1.21853E+04	1.56956E+04	1.68113E+04
44	4	7.93300E+01	8.78337E+04	1.11673E+05	8.68914E+04	7.10410E+04	1.99719E+04	1.14038E+04	1.66190E+04	1.65134E+04
45	4	7.98300E+01	8.17659E+04	1.09197E+05	8.57719E+04	6.50663E+04	1.84451E+04	1.05381E+04	2.14162E+04	1.58644E+04
0										
46	5	8.03300E+01	7.61669E+04	1.07362E+05	8.55075E+04	5.94440E+04	1.69089E+04	9.33276E+03	2.58360E+04	1.51176E+04
47	5	8.10800E+01	6.98413E+04	1.04402E+05	8.46128E+04	5.39980E+04	1.49833E+04	7.77920E+03	2.72199E+04	1.47810E+04
48	5	8.20800E+01	6.26098E+04	9.95760E+04	8.23527E+04	4.81188E+04	1.29332E+04	6.46969E+03	2.83185E+04	1.43876E+04
49	5	8.30800E+01	5.64513E+04	9.40421E+04	7.91985E+04	4.33476E+04	1.13433E+04	5.61827E+03	2.86019E+04	1.40459E+04
50	5	8.40800E+01	5.10015E+04	8.81181E+04	7.54333E+04	3.92331E+04	1.00589E+04	4.97001E+03	2.83292E+04	1.37361E+04
51	5	8.50800E+01	4.61037E+04	8.19445E+04	7.11544E+04	3.56079E+04	8.99423E+03	4.43484E+03	2.76577E+04	1.34486E+04
52	5	8.60800E+01	4.16641E+04	7.55913E+04	6.64400E+04	3.23784E+04	8.09184E+03	3.98717E+03	2.66835E+04	1.31804E+04
53	5	8.70800E+01	3.76170E+04	6.90920E+04	6.13408E+04	2.94806E+04	7.31416E+03	3.60038E+03	2.54616E+04	1.29332E+04
54	5	8.80800E+01	3.39072E+04	6.24262E+04	5.58849E+04	2.68710E+04	6.63638E+03	3.26563E+03	2.40157E+04	1.27131E+04
55	5	8.90800E+01	3.04694E+04	5.54074E+04	4.99697E+04	2.45215E+04	6.04379E+03	2.96746E+03	2.23425E+04	1.25302E+04
56	5	8.98300E+01	2.80025E+04	4.97520E+04	4.50917E+04	2.28943E+04	5.64463E+03	2.76131E+03	2.09501E+04	1.24199E+04
0										

57	6	9.03300E+01	2.71656E+04	4.76561E+04	4.32649E+04	2.23651E+04	5.52034E+03	2.69508E+03	2.03574E+04	1.23910E+04
58	6	9.08300E+01	2.71077E+04	4.75068E+04	4.31678E+04	2.23362E+04	5.51760E+03	2.69493E+03	2.01717E+04	1.23927E+04
59	6	9.20800E+01	2.69833E+04	4.71855E+04	4.29592E+04	2.22746E+04	5.51193E+03	2.69463E+03	1.97693E+04	1.23971E+04
60	6	9.41425E+01	2.68065E+04	4.67286E+04	4.26635E+04	2.21883E+04	5.50423E+03	2.69425E+03	1.91916E+04	1.24046E+04
61	6	9.62675E+01	2.66628E+04	4.63551E+04	4.24231E+04	2.21201E+04	5.49848E+03	2.69398E+03	1.87101E+04	1.24134E+04
62	6	9.83925E+01	2.65488E+04	4.60559E+04	4.22316E+04	2.20679E+04	5.49440E+03	2.69377E+03	1.83136E+04	1.24237E+04
63	6	1.00517E+02	2.64578E+04	4.58132E+04	4.20770E+04	2.20282E+04	5.49155E+03	2.69359E+03	1.79800E+04	1.24360E+04
64	6	1.02642E+02	2.63852E+04	4.56153E+04	4.19516E+04	2.19988E+04	5.48966E+03	2.69339E+03	1.76944E+04	1.24504E+04
65	6	1.04767E+02	2.63283E+04	4.54547E+04	4.18505E+04	2.19783E+04	5.48855E+03	2.69314E+03	1.74470E+04	1.24674E+04
66	6	1.06892E+02	2.62853E+04	4.53268E+04	4.17705E+04	2.19659E+04	5.48809E+03	2.69281E+03	1.72307E+04	1.24872E+04
67	6	1.09017E+02	2.62553E+04	4.52290E+04	4.17098E+04	2.19614E+04	5.48823E+03	2.69237E+03	1.70410E+04	1.25104E+04
68	6	1.11142E+02	2.62383E+04	4.51607E+04	4.16681E+04	2.19652E+04	5.48895E+03	2.69180E+03	1.68747E+04	1.25376E+04
69	6	1.13267E+02	2.62350E+04	4.51232E+04	4.16462E+04	2.19781E+04	5.49033E+03	2.69110E+03	1.67299E+04	1.25698E+04
70	6	1.15392E+02	2.62473E+04	4.51197E+04	4.16464E+04	2.20016E+04	5.49250E+03	2.69023E+03	1.66061E+04	1.26085E+04
71	6	1.17517E+02	2.62778E+04	4.51558E+04	4.16725E+04	2.20385E+04	5.49571E+03	2.68921E+03	1.65035E+04	1.26554E+04
72	6	1.19080E+02	2.63118E+04	4.52068E+04	4.17078E+04	2.20739E+04	5.49877E+03	2.68838E+03	1.64400E+04	1.26953E+04
73	6	1.19830E+02	2.63333E+04	4.52423E+04	4.17321E+04	2.20949E+04	5.50057E+03	2.68795E+03	1.64146E+04	1.27171E+04
0										
74	7	1.20330E+02	2.59168E+04	4.41021E+04	4.07755E+04	2.17038E+04	5.43336E+03	2.64558E+03	1.58625E+04	1.25802E+04
0										
75	8	1.20838E+02	2.50862E+04	4.18883E+04	3.88506E+04	2.09113E+04	5.31701E+03	2.59318E+03	1.45658E+04	1.22209E+04
76	8	1.21355E+02	2.42200E+04	3.97393E+04	3.68843E+04	2.00942E+04	5.20462E+03	2.56534E+03	1.31118E+04	1.17407E+04
77	8	1.21872E+02	2.32622E+04	3.75451E+04	3.48481E+04	1.92272E+04	5.06529E+03	2.52454E+03	1.17684E+04	1.11787E+04
78	8	1.22388E+02	2.22390E+04	3.53371E+04	3.27801E+04	1.83216E+04	4.90524E+03	2.47326E+03	1.05441E+04	1.05657E+04
79	8	1.22905E+02	2.11672E+04	3.31308E+04	3.06998E+04	1.73849E+04	4.72833E+03	2.41304E+03	9.43362E+03	9.92088E+03
80	8	1.23422E+02	2.00583E+04	3.09343E+04	2.86122E+04	1.64224E+04	4.53662E+03	2.34493E+03	8.42695E+03	9.25685E+03
81	8	1.23938E+02	1.89172E+04	2.87514E+04	2.65234E+04	1.54390E+04	4.33215E+03	2.26991E+03	7.51332E+03	8.58121E+03
82	8	1.24455E+02	1.77496E+04	2.65830E+04	2.44363E+04	1.44353E+04	4.11651E+03	2.18843E+03	6.68139E+03	7.89978E+03
83	8	1.24972E+02	1.65583E+04	2.44290E+04	2.23520E+04	1.34150E+04	3.89113E+03	2.10142E+03	5.92122E+03	7.21621E+03
84	8	1.25488E+02	1.53443E+04	2.22843E+04	2.02711E+04	1.23801E+04	3.65743E+03	2.00976E+03	5.22325E+03	6.53247E+03
85	8	1.26005E+02	1.41072E+04	2.01440E+04	1.81884E+04	1.13322E+04	3.41695E+03	1.91460E+03	4.57814E+03	5.84875E+03
86	8	1.26522E+02	1.28435E+04	1.79978E+04	1.60999E+04	1.02716E+04	3.17142E+03	1.81758E+03	3.97621E+03	5.16308E+03
87	8	1.27038E+02	1.15463E+04	1.58274E+04	1.39938E+04	9.19739E+03	2.92343E+03	1.72140E+03	3.40613E+03	4.46909E+03
88	8	1.27555E+02	1.02024E+04	1.35998E+04	1.18435E+04	8.10466E+03	2.67706E+03	1.63096E+03	2.85186E+03	3.75395E+03
89	8	1.28072E+02	8.78825E+03	1.12538E+04	9.58809E+03	6.98348E+03	2.43975E+03	1.55572E+03	2.28763E+03	2.99064E+03
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90	9	1.28584E+02	7.07129E+03	8.33832E+03	7.17667E+03	5.72615E+03	2.26174E+03	1.56527E+03	1.45685E+03	1.90355E+03
91	9	1.29092E+02	5.40298E+03	5.77060E+03	5.19557E+03	4.47363E+03	1.98484E+03	1.47005E+03	7.91898E+02	1.05446E+03
92	9	1.29601E+02	4.22045E+03	4.30839E+03	3.93355E+03	3.47925E+03	1.59757E+03	1.21313E+03	5.68356E+02	7.61875E+02
93	9	1.30109E+02	3.33085E+03	3.27941E+03	3.01500E+03	2.71361E+03	1.27630E+03	9.84759E+02	4.11105E+02	5.52615E+02
94	9	1.30618E+02	2.64178E+03	2.52798E+03	2.33021E+03	2.11833E+03	1.00945E+03	7.86605E+02	3.12977E+02	4.19725E+02
95	9	1.31126E+02	2.10200E+03	1.96715E+03	1.81332E+03	1.65773E+03	7.96286E+02	6.24377E+02	2.41203E+02	3.22933E+02
96	9	1.31634E+02	1.67710E+03	1.54212E+03	1.41940E+03	1.30127E+03	6.27932E+02	4.94303E+02	1.88060E+02	2.51309E+02
97	9	1.32143E+02	1.34157E+03	1.21634E+03	1.11688E+03	1.02497E+03	4.95842E+02	3.91248E+02	1.47532E+02	1.96880E+02
98	9	1.32651E+02	1.07597E+03	9.64432E+02	8.83054E+02	8.10267E+02	3.92431E+02	3.10062E+02	1.16326E+02	1.55068E+02
99	9	1.33159E+02	8.65239E+02	7.68260E+02	7.01295E+02	6.42930E+02	3.11475E+02	2.46250E+02	9.21047E+01	1.22679E+02
100	9	1.33667E+02	6.97673E+02	6.14605E+02	5.59299E+02	5.12075E+02	2.48012E+02	1.96105E+02	7.32103E+01	9.74508E+01
101	9	1.34176E+02	5.64122E+02	4.93645E+02	4.47856E+02	4.09391E+02	1.98154E+02	1.56655E+02	5.84095E+01	7.77097E+01
102	9	1.34684E+02	4.57441E+02	3.98002E+02	3.60022E+02	3.28531E+02	1.58880E+02	1.25557E+02	4.67734E+01	6.22022E+01
103	9	1.35193E+02	3.72023E+02	3.22075E+02	2.90520E+02	2.64631E+02	1.27851E+02	1.00984E+02	3.75936E+01	4.99758E+01
104	9	1.35701E+02	3.03463E+02	2.61574E+02	2.35313E+02	2.13954E+02	1.03259E+02	8.15099E+01	3.03270E+01	4.03023E+01
105	9	1.36209E+02	2.48299E+02	2.13195E+02	1.91302E+02	1.73625E+02	8.37032E+01	6.60303E+01	2.45556E+01	3.26224E+01
106	9	1.36717E+02	2.03802E+02	1.74380E+02	1.56095E+02	1.41420E+02	6.81021E+01	5.36868E+01	1.99563E+01	2.65044E+01
107	9	1.37226E+02	1.67816E+02	1.43137E+02	1.27833E+02	1.15616E+02	5.56145E+01	4.38123E+01	1.62790E+01	2.16144E+01
108	9	1.37734E+02	1.38637E+02	1.17909E+02	1.05072E+02	9.48704E+01	4.55858E+01	3.58872E+01	1.33289E+01	1.76928E+01
109	9	1.38243E+02	1.14915E+02	9.74756E+01	8.66818E+01	7.81380E+01	3.75057E+01	2.95061E+01	1.09547E+01	1.45374E+01
110	9	1.38751E+02	9.55788E+01	8.08757E+01	7.17768E+01	6.45995E+01	3.09749E+01	2.43520E+01	9.03776E+00	1.19905E+01
111	9	1.39259E+02	7.97764E+01	6.73504E+01	5.96595E+01	5.36110E+01	2.56797E+01	2.01758E+01	7.48512E+00	9.92804E+00
112	9	1.39768E+02	6.68286E+01	5.62995E+01	4.97799E+01	4.46653E+01	2.13730E+01	1.67816E+01	6.22368E+00	8.25279E+00
113	9	1.40276E+02	5.61938E+01	4.72464E+01	4.17029E+01	3.73616E+01	1.78599E+01	1.40149E+01	5.19584E+00	6.88790E+00

114	9	1.40784E+02	4.74398E+01	3.98124E+01	3.50834E+01	3.13819E+01	1.49858E+01	1.17536E+01	4.35601E+00	5.77255E+00
115	9	1.41292E+02	4.02211E+01	3.36963E+01	2.96479E+01	2.64731E+01	1.26271E+01	9.90092E+00	3.66813E+00	4.85810E+00
116	9	1.41801E+02	3.42628E+01	2.86588E+01	2.51795E+01	2.24314E+01	1.06843E+01	8.37982E+00	3.10346E+00	4.10592E+00
117	9	1.42309E+02	2.93517E+01	2.45129E+01	2.15084E+01	1.90888E+01	9.07467E+00	7.13556E+00	2.64092E+00	3.48065E+00
118	9	1.42818E+02	2.53447E+01	2.11237E+01	1.85055E+01	1.63125E+01	7.72891E+00	6.11024E+00	2.25812E+00	2.96044E+00
119	9	1.43326E+02	2.22604E+01	1.85135E+01	1.61962E+01	1.39192E+01	6.55395E+00	5.39698E+00	1.98424E+00	2.47190E+00
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120	10	1.43830E+02	1.98300E+01	1.63547E+01	1.41103E+01	1.19016E+01	5.57931E+00	4.94185E+00	1.81225E+00	2.04566E+00
121	10	1.44330E+02	1.73712E+01	1.40876E+01	1.17296E+01	1.00647E+01	4.72408E+00	4.51534E+00	1.67144E+00	1.68308E+00
0										
122	11	1.44830E+02	1.41039E+01	1.10823E+01	8.76930E+00	7.68621E+00	3.48601E+00	2.89687E+00	1.42131E+00	1.32150E+00
0										
123	12	1.45330E+02	1.21058E+01	9.23518E+00	7.03341E+00	6.23212E+00	2.67736E+00	1.48951E+00	1.23188E+00	1.14493E+00
124	12	1.46080E+02	1.19520E+01	9.11442E+00	6.94243E+00	6.15188E+00	2.64431E+00	1.47157E+00	1.21185E+00	1.12990E+00
125	12	1.47580E+02	1.16682E+01	8.89202E+00	6.77483E+00	6.00403E+00	2.58332E+00	1.43849E+00	1.17543E+00	1.10223E+00
126	12	1.50580E+02	1.11773E+01	8.50833E+00	6.48563E+00	5.74876E+00	2.47772E+00	1.38129E+00	1.11374E+00	1.05452E+00
127	12	1.55236E+02	1.05449E+01	8.01603E+00	6.11443E+00	5.42087E+00	2.34156E+00	1.30764E+00	1.03659E+00	9.93308E-01
128	12	1.60549E+02	9.95938E+00	7.56231E+00	5.77215E+00	5.11824E+00	2.21529E+00	1.23945E+00	9.67697E-01	9.36913E-01
129	12	1.65861E+02	9.47853E+00	7.19141E+00	5.49218E+00	4.87047E+00	2.11143E+00	1.18343E+00	9.13099E-01	8.90820E-01
130	12	1.71174E+02	9.06820E+00	6.87597E+00	5.25395E+00	4.65949E+00	2.02267E+00	1.13556E+00	8.67764E-01	8.51622E-01
131	12	1.76486E+02	8.70867E+00	6.60030E+00	5.04566E+00	4.47493E+00	1.94479E+00	1.09356E+00	8.28855E-01	8.17365E-01
132	12	1.81799E+02	8.38781E+00	6.35476E+00	4.86005E+00	4.31040E+00	1.87520E+00	1.05602E+00	7.94676E-01	7.86852E-01
133	12	1.87111E+02	8.09767E+00	6.13307E+00	4.69241E+00	4.16174E+00	1.81220E+00	1.02202E+00	7.64146E-01	7.59302E-01
134	12	1.92424E+02	7.83274E+00	5.93089E+00	4.53946E+00	4.02608E+00	1.75461E+00	9.90922E-01	7.36538E-01	7.34174E-01
135	12	1.97580E+02	7.59567E+00	5.75012E+00	4.40268E+00	3.90473E+00	1.70303E+00	9.63045E-01	7.12021E-01	7.11708E-01
136	12	2.02580E+02	7.38250E+00	5.58772E+00	4.27975E+00	3.79565E+00	1.65660E+00	9.37938E-01	6.90117E-01	6.91523E-01
137	12	2.07580E+02	7.18348E+00	5.43619E+00	4.16501E+00	3.69382E+00	1.61322E+00	9.14458E-01	6.69773E-01	6.72687E-01
138	12	2.12580E+02	6.99697E+00	5.29426E+00	4.05752E+00	3.59841E+00	1.57253E+00	8.92420E-01	6.50793E-01	6.55043E-01
139	12	2.17580E+02	6.82163E+00	5.16089E+00	3.95648E+00	3.50872E+00	1.53425E+00	8.71667E-01	6.33020E-01	6.38462E-01
140	12	2.22580E+02	6.65632E+00	5.03521E+00	3.86123E+00	3.42416E+00	1.49812E+00	8.52071E-01	6.16321E-01	6.22834E-01
141	12	2.27580E+02	6.50008E+00	4.91645E+00	3.77122E+00	3.34423E+00	1.46395E+00	8.33519E-01	6.00587E-01	6.08067E-01
142	12	2.32580E+02	6.35208E+00	4.80400E+00	3.68595E+00	3.26851E+00	1.43155E+00	8.15916E-01	5.85724E-01	5.94080E-01
143	12	2.37580E+02	6.21159E+00	4.69728E+00	3.60501E+00	3.19663E+00	1.40077E+00	7.99180E-01	5.71651E-01	5.80806E-01
144	12	2.42580E+02	6.07799E+00	4.59581E+00	3.52804E+00	3.12826E+00	1.37147E+00	7.83239E-01	5.58297E-01	5.68183E-01
145	12	2.47580E+02	5.95071E+00	4.49917E+00	3.45470E+00	3.06312E+00	1.34354E+00	7.68028E-01	5.45602E-01	5.56158E-01
146	12	2.52580E+02	5.82927E+00	4.40698E+00	3.38472E+00	3.00096E+00	1.31686E+00	7.53490E-01	5.33512E-01	5.44685E-01
147	12	2.57580E+02	5.71323E+00	4.31889E+00	3.31785E+00	2.94154E+00	1.29135E+00	7.39577E-01	5.21981E-01	5.33722E-01
148	12	2.62580E+02	5.60220E+00	4.23462E+00	3.25385E+00	2.88468E+00	1.26692E+00	7.26243E-01	5.10964E-01	5.23232E-01
149	12	2.67580E+02	5.49582E+00	4.15389E+00	3.19252E+00	2.83018E+00	1.24350E+00	7.13446E-01	5.00426E-01	5.13181E-01
150	12	2.72580E+02	5.39378E+00	4.07647E+00	3.13369E+00	2.77790E+00	1.22101E+00	7.01153E-01	4.90332E-01	5.03539E-01
151	12	2.77580E+02	5.29579E+00	4.00212E+00	3.07718E+00	2.72768E+00	1.19940E+00	6.89328E-01	4.80651E-01	4.94280E-01
152	12	2.82580E+02	5.20160E+00	3.93065E+00	3.02285E+00	2.67939E+00	1.17860E+00	6.77943E-01	4.71357E-01	4.85378E-01
153	12	2.87580E+02	5.11096E+00	3.86189E+00	2.97056E+00	2.63291E+00	1.15858E+00	6.66969E-01	4.62424E-01	4.76811E-01
154	12	2.92580E+02	5.02366E+00	3.79567E+00	2.92019E+00	2.58813E+00	1.13927E+00	6.56384E-01	4.53830E-01	4.68558E-01
155	12	2.97580E+02	4.93950E+00	3.73183E+00	2.87161E+00	2.54495E+00	1.12065E+00	6.46163E-01	4.45554E-01	4.60601E-01
156	12	3.02580E+02	4.85831E+00	3.67023E+00	2.82474E+00	2.50327E+00	1.10266E+00	6.36285E-01	4.37577E-01	4.52924E-01
157	12	3.07580E+02	4.77990E+00	3.61076E+00	2.77946E+00	2.46301E+00	1.08528E+00	6.26733E-01	4.29883E-01	4.45509E-01
158	12	3.12580E+02	4.70414E+00	3.55329E+00	2.73570E+00	2.42410E+00	1.06848E+00	6.17487E-01	4.22454E-01	4.38342E-01
159	12	3.17580E+02	4.63087E+00	3.49772E+00	2.69338E+00	2.38646E+00	1.05221E+00	6.08533E-01	4.15276E-01	4.31411E-01
160	12	3.22580E+02	4.55998E+00	3.44394E+00	2.65240E+00	2.35002E+00	1.03645E+00	5.99853E-01	4.08337E-01	4.24702E-01
161	12	3.27580E+02	4.49132E+00	3.39186E+00	2.61272E+00	2.31473E+00	1.02118E+00	5.91435E-01	4.01623E-01	4.18205E-01
162	12	3.32580E+02	4.42480E+00	3.34140E+00	2.57426E+00	2.28051E+00	1.00638E+00	5.83266E-01	3.95122E-01	4.11908E-01
163	12	3.37580E+02	4.36030E+00	3.29248E+00	2.53696E+00	2.24733E+00	9.92008E-01	5.75333E-01	3.88825E-01	4.05802E-01
164	12	3.42580E+02	4.29773E+00	3.24502E+00	2.50076E+00	2.21513E+00	9.78059E-01	5.67626E-01	3.82720E-01	3.99877E-01
165	12	3.47580E+02	4.23700E+00	3.19895E+00	2.46561E+00	2.18387E+00	9.64508E-01	5.60133E-01	3.76800E-01	3.94125E-01
166	12	3.52580E+02	4.17802E+00	3.15421E+00	2.43147E+00	2.15349E+00	9.51337E-01	5.52844E-01	3.71053E-01	3.88538E-01
167	12	3.57580E+02	4.12071E+00	3.11073E+00	2.39829E+00	2.12397E+00	9.38529E-01	5.45751E-01	3.65474E-01	3.83108E-01
168	12	3.62580E+02	4.06499E+00	3.06847E+00	2.36602E+00	2.09526E+00	9.26067E-01	5.38845E-01	3.60054E-01	3.77827E-01
169	12	3.67580E+02	4.01081E+00	3.02736E+00	2.33463E+00	2.06732E+00	9.13937E-01	5.32118E-01	3.54786E-01	3.72691E-01
170	12	3.72580E+02	3.95808E+00	2.98735E+00	2.30407E+00	2.04013E+00	9.02125E-01	5.25561E-01	3.49663E-01	3.67692E-01

171	12	3.77580E+02	3.90674E+00	2.94841E+00	2.27432E+00	2.01365E+00	8.90616E-01	5.19169E-01	3.44680E-01	3.62824E-01
172	12	3.82580E+02	3.85675E+00	2.91048E+00	2.24533E+00	1.98785E+00	8.79398E-01	5.12933E-01	3.39829E-01	3.58082E-01
173	12	3.87580E+02	3.80804E+00	2.87352E+00	2.21708E+00	1.96270E+00	8.68460E-01	5.06849E-01	3.35106E-01	3.53461E-01
174	12	3.92580E+02	3.76056E+00	2.83749E+00	2.18953E+00	1.93818E+00	8.57790E-01	5.00909E-01	3.30505E-01	3.48956E-01
175	12	3.97580E+02	3.71426E+00	2.80236E+00	2.16266E+00	1.91426E+00	8.47377E-01	4.95108E-01	3.26022E-01	3.44561E-01
176	12	4.02580E+02	3.66910E+00	2.76809E+00	2.13645E+00	1.89092E+00	8.37212E-01	4.89441E-01	3.21652E-01	3.40274E-01
177	12	4.07580E+02	3.62503E+00	2.73465E+00	2.11085E+00	1.86814E+00	8.27284E-01	4.83902E-01	3.17389E-01	3.36090E-01
178	12	4.12580E+02	3.58201E+00	2.70200E+00	2.08586E+00	1.84589E+00	8.17585E-01	4.78487E-01	3.13231E-01	3.32004E-01
179	12	4.17580E+02	3.54000E+00	2.67012E+00	2.06145E+00	1.82415E+00	8.08107E-01	4.73191E-01	3.09173E-01	3.28013E-01
180	12	4.22580E+02	3.49896E+00	2.63897E+00	2.03760E+00	1.80291E+00	7.98841E-01	4.68010E-01	3.05211E-01	3.24114E-01
181	12	4.27580E+02	3.45886E+00	2.60854E+00	2.01429E+00	1.78215E+00	7.89780E-01	4.62940E-01	3.01342E-01	3.20303E-01
182	12	4.32580E+02	3.41967E+00	2.57878E+00	1.99149E+00	1.76185E+00	7.80916E-01	4.57977E-01	2.97562E-01	3.16577E-01
183	12	4.37580E+02	3.38134E+00	2.54969E+00	1.96920E+00	1.74199E+00	7.72242E-01	4.53116E-01	2.93869E-01	3.12934E-01
184	12	4.42580E+02	3.34386E+00	2.52124E+00	1.94738E+00	1.72257E+00	7.63752E-01	4.48355E-01	2.90259E-01	3.09369E-01
185	12	4.47580E+02	3.30718E+00	2.49340E+00	1.92604E+00	1.70355E+00	7.55439E-01	4.43690E-01	2.86729E-01	3.05881E-01
186	12	4.52580E+02	3.27129E+00	2.46615E+00	1.90514E+00	1.68494E+00	7.47298E-01	4.39118E-01	2.83276E-01	3.02466E-01
187	12	4.57580E+02	3.23616E+00	2.43947E+00	1.88467E+00	1.66671E+00	7.39322E-01	4.34635E-01	2.79898E-01	2.99123E-01
188	12	4.62580E+02	3.20176E+00	2.41335E+00	1.86463E+00	1.64885E+00	7.31507E-01	4.30240E-01	2.76593E-01	2.95848E-01
189	12	4.67580E+02	3.16807E+00	2.38777E+00	1.84499E+00	1.63136E+00	7.23846E-01	4.25928E-01	2.73357E-01	2.92641E-01
190	12	4.72580E+02	3.13506E+00	2.36271E+00	1.82575E+00	1.61421E+00	7.16335E-01	4.21698E-01	2.70189E-01	2.89498E-01
191	12	4.77580E+02	3.10271E+00	2.33814E+00	1.80689E+00	1.59741E+00	7.08970E-01	4.17546E-01	2.67086E-01	2.86417E-01
192	12	4.82580E+02	3.07101E+00	2.31407E+00	1.78839E+00	1.58093E+00	7.01745E-01	4.13471E-01	2.64046E-01	2.83396E-01
193	12	4.87580E+02	3.03993E+00	2.29046E+00	1.77025E+00	1.56476E+00	6.94656E-01	4.09470E-01	2.61068E-01	2.80435E-01
194	12	4.92580E+02	3.00945E+00	2.26731E+00	1.75246E+00	1.54891E+00	6.87699E-01	4.05540E-01	2.58149E-01	2.77530E-01
195	12	4.97580E+02	2.97955E+00	2.24460E+00	1.73500E+00	1.53335E+00	6.80870E-01	4.01680E-01	2.55288E-01	2.74679E-01
196	12	5.02580E+02	2.95022E+00	2.22232E+00	1.71787E+00	1.51808E+00	6.74166E-01	3.97887E-01	2.52482E-01	2.71883E-01
197	12	5.07580E+02	2.92143E+00	2.20045E+00	1.70105E+00	1.50309E+00	6.67581E-01	3.94160E-01	2.49730E-01	2.69138E-01
198	12	5.12580E+02	2.89318E+00	2.17899E+00	1.68454E+00	1.48838E+00	6.61114E-01	3.90496E-01	2.47031E-01	2.66443E-01
199	12	5.17580E+02	2.86545E+00	2.15792E+00	1.66833E+00	1.47392E+00	6.54760E-01	3.86894E-01	2.44382E-01	2.63797E-01
200	12	5.22580E+02	2.83822E+00	2.13723E+00	1.65240E+00	1.45973E+00	6.48517E-01	3.83352E-01	2.41783E-01	2.61198E-01
201	12	5.27580E+02	2.81147E+00	2.11691E+00	1.63676E+00	1.44578E+00	6.42380E-01	3.79868E-01	2.39232E-01	2.58645E-01
202	12	5.32580E+02	2.78520E+00	2.09695E+00	1.62138E+00	1.43208E+00	6.36348E-01	3.76441E-01	2.36728E-01	2.56136E-01
203	12	5.37580E+02	2.75939E+00	2.07733E+00	1.60627E+00	1.41860E+00	6.30417E-01	3.73069E-01	2.34268E-01	2.53671E-01
204	12	5.42580E+02	2.73402E+00	2.05806E+00	1.59142E+00	1.40536E+00	6.24584E-01	3.69750E-01	2.31853E-01	2.51249E-01
205	12	5.47580E+02	2.70910E+00	2.03911E+00	1.57682E+00	1.39234E+00	6.18846E-01	3.66484E-01	2.29480E-01	2.48867E-01
206	12	5.52580E+02	2.68459E+00	2.02048E+00	1.56246E+00	1.37954E+00	6.13202E-01	3.63268E-01	2.27149E-01	2.46525E-01
207	12	5.57580E+02	2.66049E+00	2.00217E+00	1.54834E+00	1.36695E+00	6.07648E-01	3.60101E-01	2.24858E-01	2.44222E-01
208	12	5.62580E+02	2.63680E+00	1.98416E+00	1.53445E+00	1.35456E+00	6.02183E-01	3.56982E-01	2.22607E-01	2.41956E-01
209	12	5.67580E+02	2.61349E+00	1.96644E+00	1.52078E+00	1.34237E+00	5.96803E-01	3.53910E-01	2.20393E-01	2.39727E-01
210	12	5.72580E+02	2.59056E+00	1.94901E+00	1.50733E+00	1.33037E+00	5.91507E-01	3.50884E-01	2.18217E-01	2.37535E-01
211	12	5.77580E+02	2.56801E+00	1.93186E+00	1.49409E+00	1.31857E+00	5.86293E-01	3.47902E-01	2.16077E-01	2.35377E-01
212	12	5.82580E+02	2.54581E+00	1.91498E+00	1.48106E+00	1.30694E+00	5.81157E-01	3.44964E-01	2.13973E-01	2.33253E-01
213	12	5.87580E+02	2.52396E+00	1.89837E+00	1.46823E+00	1.29550E+00	5.76099E-01	3.42067E-01	2.11903E-01	2.31162E-01
214	12	5.92580E+02	2.50245E+00	1.88202E+00	1.45560E+00	1.28423E+00	5.71116E-01	3.39212E-01	2.09866E-01	2.29103E-01
215	12	5.97580E+02	2.48128E+00	1.86592E+00	1.44316E+00	1.27313E+00	5.66207E-01	3.36396E-01	2.07862E-01	2.27075E-01
216	12	6.02580E+02	2.46043E+00	1.85006E+00	1.43090E+00	1.26220E+00	5.61369E-01	3.33620E-01	2.05890E-01	2.25079E-01
217	12	6.07580E+02	2.43990E+00	1.83445E+00	1.41883E+00	1.25143E+00	5.56602E-01	3.30882E-01	2.03949E-01	2.23112E-01
218	12	6.12580E+02	2.41968E+00	1.81907E+00	1.40694E+00	1.24082E+00	5.51902E-01	3.28181E-01	2.02038E-01	2.21174E-01
219	12	6.17580E+02	2.39975E+00	1.80391E+00	1.39522E+00	1.23036E+00	5.47269E-01	3.25516E-01	2.00157E-01	2.19265E-01
220	12	6.22580E+02	2.38013E+00	1.78898E+00	1.38367E+00	1.22006E+00	5.42701E-01	3.22887E-01	1.98304E-01	2.17384E-01
221	12	6.27580E+02	2.36079E+00	1.77427E+00	1.37228E+00	1.20989E+00	5.38196E-01	3.20292E-01	1.96479E-01	2.15529E-01
222	12	6.32580E+02	2.34172E+00	1.75977E+00	1.36106E+00	1.19988E+00	5.33753E-01	3.17732E-01	1.94682E-01	2.13701E-01
223	12	6.37580E+02	2.32294E+00	1.74547E+00	1.34999E+00	1.19000E+00	5.29371E-01	3.15204E-01	1.92912E-01	2.11899E-01
224	12	6.42580E+02	2.30441E+00	1.73138E+00	1.33907E+00	1.18026E+00	5.25048E-01	3.12708E-01	1.91168E-01	2.10122E-01
225	12	6.47580E+02	2.28615E+00	1.71749E+00	1.32831E+00	1.17065E+00	5.20782E-01	3.10244E-01	1.89449E-01	2.08370E-01
226	12	6.52580E+02	2.26815E+00	1.70379E+00	1.31769E+00	1.16118E+00	5.16573E-01	3.07811E-01	1.87755E-01	2.06641E-01
227	12	6.57580E+02	2.25039E+00	1.69027E+00	1.30722E+00	1.15183E+00	5.12418E-01	3.05408E-01	1.86086E-01	2.04937E-01
228	12	6.62580E+02	2.23288E+00	1.67695E+00	1.29689E+00	1.14260E+00	5.08318E-01	3.03034E-01	1.84440E-01	2.03255E-01
229	12	6.67580E+02	2.21560E+00	1.66380E+00	1.28669E+00	1.13350E+00	5.04270E-01	3.00689E-01	1.82818E-01	2.01596E-01
230	12	6.72580E+02	2.19856E+00	1.65083E+00	1.27663E+00	1.12452E+00	5.00274E-01	2.98373E-01	1.81218E-01	1.99958E-01

231	12	6.77580E+02	2.18174E+00	1.63803E+00	1.26670E+00	1.11565E+00	4.96327E-01	2.96083E-01	1.79641E-01	1.98342E-01
232	12	6.82580E+02	2.16515E+00	1.62539E+00	1.25689E+00	1.10690E+00	4.92430E-01	2.93821E-01	1.78085E-01	1.96747E-01
233	12	6.87580E+02	2.14877E+00	1.61293E+00	1.24722E+00	1.09826E+00	4.88582E-01	2.91585E-01	1.76550E-01	1.95173E-01
234	12	6.92580E+02	2.13261E+00	1.60062E+00	1.23766E+00	1.08973E+00	4.84780E-01	2.89374E-01	1.75037E-01	1.93619E-01
235	12	6.97580E+02	2.11665E+00	1.58847E+00	1.22822E+00	1.08130E+00	4.81024E-01	2.87189E-01	1.73543E-01	1.92084E-01
236	12	7.02580E+02	2.10090E+00	1.57648E+00	1.21890E+00	1.07298E+00	4.77313E-01	2.85029E-01	1.72070E-01	1.90569E-01
237	12	7.07580E+02	2.08535E+00	1.56463E+00	1.20970E+00	1.06476E+00	4.73647E-01	2.82892E-01	1.70615E-01	1.89072E-01
238	12	7.12580E+02	2.06999E+00	1.55294E+00	1.20061E+00	1.05664E+00	4.70024E-01	2.80779E-01	1.69180E-01	1.87594E-01
239	12	7.17580E+02	2.05482E+00	1.54139E+00	1.19163E+00	1.04861E+00	4.66442E-01	2.78690E-01	1.67764E-01	1.86134E-01
240	12	7.22580E+02	2.03984E+00	1.52998E+00	1.18275E+00	1.04069E+00	4.62903E-01	2.76622E-01	1.66366E-01	1.84691E-01
241	12	7.27580E+02	2.02504E+00	1.51870E+00	1.17398E+00	1.03286E+00	4.59404E-01	2.74578E-01	1.64985E-01	1.83266E-01
242	12	7.32580E+02	2.01042E+00	1.50757E+00	1.16532E+00	1.02511E+00	4.55944E-01	2.72554E-01	1.63622E-01	1.81857E-01
243	12	7.37580E+02	1.99598E+00	1.49657E+00	1.15675E+00	1.01746E+00	4.52523E-01	2.70552E-01	1.62276E-01	1.80466E-01
244	12	7.42580E+02	1.98170E+00	1.48569E+00	1.14829E+00	1.00990E+00	4.49141E-01	2.68571E-01	1.60947E-01	1.79090E-01
245	12	7.47580E+02	1.96760E+00	1.47495E+00	1.13992E+00	1.00242E+00	4.45796E-01	2.66610E-01	1.59635E-01	1.77730E-01
246	12	7.52580E+02	1.95366E+00	1.46433E+00	1.13165E+00	9.95031E-01	4.42487E-01	2.64670E-01	1.58338E-01	1.76386E-01
247	12	7.57580E+02	1.93989E+00	1.45383E+00	1.12347E+00	9.87721E-01	4.39214E-01	2.62748E-01	1.57057E-01	1.75058E-01
248	12	7.62580E+02	1.92627E+00	1.44345E+00	1.11538E+00	9.80492E-01	4.35976E-01	2.60846E-01	1.55792E-01	1.73744E-01
249	12	7.67580E+02	1.91280E+00	1.43319E+00	1.10738E+00	9.73343E-01	4.32773E-01	2.58963E-01	1.54542E-01	1.72444E-01
250	12	7.72580E+02	1.89949E+00	1.42305E+00	1.09946E+00	9.66271E-01	4.29603E-01	2.57098E-01	1.53306E-01	1.71160E-01
251	12	7.77580E+02	1.88633E+00	1.41301E+00	1.09164E+00	9.59276E-01	4.26466E-01	2.55251E-01	1.52085E-01	1.69889E-01
252	12	7.82580E+02	1.87331E+00	1.40309E+00	1.08390E+00	9.52356E-01	4.23361E-01	2.53422E-01	1.50879E-01	1.68632E-01
253	12	7.87580E+02	1.86044E+00	1.39328E+00	1.07624E+00	9.45509E-01	4.20289E-01	2.51611E-01	1.49686E-01	1.67388E-01
254	12	7.92580E+02	1.84771E+00	1.38357E+00	1.06866E+00	9.38734E-01	4.17247E-01	2.49816E-01	1.48507E-01	1.66158E-01
255	12	7.97580E+02	1.83511E+00	1.37397E+00	1.06116E+00	9.32030E-01	4.14236E-01	2.48038E-01	1.47342E-01	1.64941E-01
256	12	8.02580E+02	1.82265E+00	1.36447E+00	1.05374E+00	9.25395E-01	4.11254E-01	2.46276E-01	1.46189E-01	1.63736E-01
257	12	8.07580E+02	1.81033E+00	1.35507E+00	1.04639E+00	9.18827E-01	4.08302E-01	2.44530E-01	1.45050E-01	1.62544E-01
258	12	8.12580E+02	1.79813E+00	1.34577E+00	1.03912E+00	9.12326E-01	4.05379E-01	2.42800E-01	1.43923E-01	1.61365E-01
259	12	8.17580E+02	1.78606E+00	1.33657E+00	1.03192E+00	9.05890E-01	4.02484E-01	2.41085E-01	1.42809E-01	1.60197E-01
260	12	8.22580E+02	1.77411E+00	1.32746E+00	1.02480E+00	8.99518E-01	3.99617E-01	2.39385E-01	1.41706E-01	1.59041E-01
261	12	8.27580E+02	1.76229E+00	1.31844E+00	1.01774E+00	8.93209E-01	3.96777E-01	2.37700E-01	1.40616E-01	1.57897E-01
262	12	8.32580E+02	1.75059E+00	1.30951E+00	1.01076E+00	8.86961E-01	3.93963E-01	2.36030E-01	1.39537E-01	1.56764E-01
263	12	8.37580E+02	1.73901E+00	1.30068E+00	1.00384E+00	8.80774E-01	3.91175E-01	2.34374E-01	1.38470E-01	1.55642E-01
264	12	8.42580E+02	1.72754E+00	1.29193E+00	9.96988E-01	8.74646E-01	3.88413E-01	2.32731E-01	1.37415E-01	1.54531E-01
265	12	8.47580E+02	1.71619E+00	1.28326E+00	9.90203E-01	8.68576E-01	3.85676E-01	2.31103E-01	1.36370E-01	1.53431E-01
266	12	8.52580E+02	1.70495E+00	1.27469E+00	9.83481E-01	8.62562E-01	3.82964E-01	2.29487E-01	1.35336E-01	1.52341E-01
267	12	8.57580E+02	1.69381E+00	1.26619E+00	9.76823E-01	8.56605E-01	3.80275E-01	2.27885E-01	1.34313E-01	1.51262E-01
268	12	8.62580E+02	1.68279E+00	1.25778E+00	9.70226E-01	8.50702E-01	3.77611E-01	2.26296E-01	1.33300E-01	1.50192E-01
269	12	8.67580E+02	1.67187E+00	1.24944E+00	9.63690E-01	8.44854E-01	3.74969E-01	2.24719E-01	1.32298E-01	1.49133E-01
270	12	8.72580E+02	1.66105E+00	1.24119E+00	9.57213E-01	8.39058E-01	3.72351E-01	2.23155E-01	1.31306E-01	1.48083E-01
271	12	8.77580E+02	1.65034E+00	1.23301E+00	9.50794E-01	8.33313E-01	3.69754E-01	2.21602E-01	1.30323E-01	1.47043E-01
272	12	8.82580E+02	1.63973E+00	1.22490E+00	9.44433E-01	8.27619E-01	3.67180E-01	2.20062E-01	1.29351E-01	1.46012E-01
273	12	8.87580E+02	1.62921E+00	1.21688E+00	9.38127E-01	8.21976E-01	3.64627E-01	2.18533E-01	1.28388E-01	1.44990E-01
274	12	8.92580E+02	1.61879E+00	1.20892E+00	9.31877E-01	8.16380E-01	3.62095E-01	2.17015E-01	1.27434E-01	1.43978E-01
275	12	8.97580E+02	1.60846E+00	1.20103E+00	9.25680E-01	8.10833E-01	3.59583E-01	2.15509E-01	1.26489E-01	1.42974E-01
276	12	9.02580E+02	1.59823E+00	1.19322E+00	9.19537E-01	8.05333E-01	3.57092E-01	2.14013E-01	1.25554E-01	1.41978E-01
277	12	9.07580E+02	1.58808E+00	1.18547E+00	9.13445E-01	7.99878E-01	3.54620E-01	2.12528E-01	1.24627E-01	1.40992E-01
278	12	9.12580E+02	1.57803E+00	1.17779E+00	9.07404E-01	7.94469E-01	3.52168E-01	2.11054E-01	1.23709E-01	1.40013E-01
279	12	9.17580E+02	1.56806E+00	1.17018E+00	9.01413E-01	7.89103E-01	3.49735E-01	2.09590E-01	1.22799E-01	1.39043E-01
280	12	9.22580E+02	1.55818E+00	1.16263E+00	8.95471E-01	7.83781E-01	3.47321E-01	2.08136E-01	1.21898E-01	1.38081E-01
281	12	9.27580E+02	1.54839E+00	1.15514E+00	8.89577E-01	7.78502E-01	3.44924E-01	2.06691E-01	1.21005E-01	1.37126E-01
282	12	9.32580E+02	1.53867E+00	1.14772E+00	8.83729E-01	7.73264E-01	3.42546E-01	2.05256E-01	1.20120E-01	1.36179E-01
283	12	9.37580E+02	1.52904E+00	1.14035E+00	8.77928E-01	7.68067E-01	3.40185E-01	2.03831E-01	1.19243E-01	1.35240E-01
284	12	9.42580E+02	1.51948E+00	1.13305E+00	8.72172E-01	7.62910E-01	3.37841E-01	2.02414E-01	1.18374E-01	1.34308E-01
285	12	9.47580E+02	1.51001E+00	1.12581E+00	8.66460E-01	7.57791E-01	3.35514E-01	2.01006E-01	1.17512E-01	1.33383E-01
286	12	9.52580E+02	1.50060E+00	1.11862E+00	8.60791E-01	7.52711E-01	3.33203E-01	1.99607E-01	1.16658E-01	1.32466E-01
287	12	9.57580E+02	1.49128E+00	1.11149E+00	8.55164E-01	7.47668E-01	3.30908E-01	1.98217E-01	1.15811E-01	1.31555E-01
288	12	9.62580E+02	1.48203E+00	1.10441E+00	8.49579E-01	7.42662E-01	3.28629E-01	1.96834E-01	1.14971E-01	1.30651E-01
289	12	9.67580E+02	1.47284E+00	1.09739E+00	8.44034E-01	7.37692E-01	3.26365E-01	1.95460E-01	1.14138E-01	1.29753E-01
290	12	9.72580E+02	1.46373E+00	1.09042E+00	8.38529E-01	7.32756E-01	3.24116E-01	1.94093E-01	1.13313E-01	1.28862E-01

291	12	9.77580E+02	1.45469E+00	1.08351E+00	8.33063E-01	7.27855E-01	3.21881E-01	1.92734E-01	1.12494E-01	1.27977E-01
292	12	9.82580E+02	1.44572E+00	1.07664E+00	8.27634E-01	7.22986E-01	3.19660E-01	1.91382E-01	1.11681E-01	1.27098E-01
293	12	9.87580E+02	1.43681E+00	1.06982E+00	8.22242E-01	7.18150E-01	3.17453E-01	1.90038E-01	1.10875E-01	1.26226E-01
294	12	9.92580E+02	1.42796E+00	1.06305E+00	8.16886E-01	7.13346E-01	3.15260E-01	1.88700E-01	1.10075E-01	1.25359E-01
295	12	9.97580E+02	1.41918E+00	1.05633E+00	8.11565E-01	7.08573E-01	3.13079E-01	1.87369E-01	1.09282E-01	1.24497E-01
296	12	1.00258E+03	1.41046E+00	1.04966E+00	8.06278E-01	7.03829E-01	3.10911E-01	1.86044E-01	1.08494E-01	1.23641E-01
297	12	1.00758E+03	1.40179E+00	1.04302E+00	8.01024E-01	6.99115E-01	3.08755E-01	1.84725E-01	1.07713E-01	1.22791E-01
298	12	1.01258E+03	1.39319E+00	1.03644E+00	7.95802E-01	6.94428E-01	3.06611E-01	1.83412E-01	1.06937E-01	1.21946E-01
299	12	1.01758E+03	1.38464E+00	1.02989E+00	7.90612E-01	6.89769E-01	3.04478E-01	1.82105E-01	1.06167E-01	1.21105E-01
300	12	1.02258E+03	1.37615E+00	1.02339E+00	7.85452E-01	6.85137E-01	3.02357E-01	1.80803E-01	1.05402E-01	1.20270E-01
301	12	1.02758E+03	1.36772E+00	1.01692E+00	7.80321E-01	6.80530E-01	3.00246E-01	1.79507E-01	1.04643E-01	1.19439E-01
302	12	1.03258E+03	1.35933E+00	1.01050E+00	7.75219E-01	6.75948E-01	2.98145E-01	1.78215E-01	1.03889E-01	1.18613E-01
303	12	1.03758E+03	1.35099E+00	1.00411E+00	7.70144E-01	6.71389E-01	2.96054E-01	1.76928E-01	1.03140E-01	1.17791E-01
304	12	1.04258E+03	1.34271E+00	9.97760E-01	7.65095E-01	6.66854E-01	2.93972E-01	1.75645E-01	1.02396E-01	1.16974E-01
305	12	1.04758E+03	1.33447E+00	9.91444E-01	7.60072E-01	6.62340E-01	2.91899E-01	1.74366E-01	1.01656E-01	1.16160E-01
306	12	1.05258E+03	1.32628E+00	9.85162E-01	7.55073E-01	6.57847E-01	2.89834E-01	1.73090E-01	1.00922E-01	1.15350E-01
307	12	1.05758E+03	1.31813E+00	9.78913E-01	7.50097E-01	6.53374E-01	2.87777E-01	1.71818E-01	1.00192E-01	1.14544E-01
308	12	1.06258E+03	1.31002E+00	9.72695E-01	7.45143E-01	6.48920E-01	2.85727E-01	1.70549E-01	9.94660E-02	1.13741E-01
309	12	1.06758E+03	1.30196E+00	9.66506E-01	7.40209E-01	6.44483E-01	2.83684E-01	1.69283E-01	9.87444E-02	1.12941E-01
310	12	1.07258E+03	1.29393E+00	9.60346E-01	7.35295E-01	6.40063E-01	2.81648E-01	1.68019E-01	9.80268E-02	1.12144E-01
311	12	1.07758E+03	1.28594E+00	9.54212E-01	7.30400E-01	6.35658E-01	2.79617E-01	1.66756E-01	9.73130E-02	1.11351E-01
312	12	1.08258E+03	1.27798E+00	9.48105E-01	7.25522E-01	6.31267E-01	2.77592E-01	1.65496E-01	9.66030E-02	1.10559E-01
313	12	1.08758E+03	1.27006E+00	9.42020E-01	7.20659E-01	6.26890E-01	2.75571E-01	1.64236E-01	9.58965E-02	1.09770E-01
314	12	1.09258E+03	1.26217E+00	9.35958E-01	7.15811E-01	6.22524E-01	2.73554E-01	1.62977E-01	9.51933E-02	1.08983E-01
315	12	1.09758E+03	1.25431E+00	9.29916E-01	7.10975E-01	6.18168E-01	2.71540E-01	1.61718E-01	9.44933E-02	1.08198E-01
316	12	1.10258E+03	1.24647E+00	9.23893E-01	7.06151E-01	6.13821E-01	2.69528E-01	1.60459E-01	9.37963E-02	1.07415E-01
317	12	1.10758E+03	1.23866E+00	9.17887E-01	7.01337E-01	6.09481E-01	2.67519E-01	1.59199E-01	9.31020E-02	1.06632E-01
318	12	1.11258E+03	1.23087E+00	9.11896E-01	6.96531E-01	6.05148E-01	2.65510E-01	1.57938E-01	9.24103E-02	1.05851E-01
319	12	1.11758E+03	1.22310E+00	9.05918E-01	6.91731E-01	6.00818E-01	2.63502E-01	1.56674E-01	9.17209E-02	1.05070E-01
320	12	1.12258E+03	1.21535E+00	8.99950E-01	6.86936E-01	5.96491E-01	2.61493E-01	1.55409E-01	9.10336E-02	1.04290E-01
321	12	1.12758E+03	1.20761E+00	8.93992E-01	6.82144E-01	5.92164E-01	2.59482E-01	1.54140E-01	9.03483E-02	1.03509E-01
322	12	1.13258E+03	1.19988E+00	8.88039E-01	6.77352E-01	5.87836E-01	2.57470E-01	1.52867E-01	8.96646E-02	1.02729E-01
323	12	1.13758E+03	1.19216E+00	8.82091E-01	6.72558E-01	5.83505E-01	2.55453E-01	1.51590E-01	8.89823E-02	1.01947E-01
324	12	1.14258E+03	1.18445E+00	8.76144E-01	6.67762E-01	5.79169E-01	2.53432E-01	1.50307E-01	8.83011E-02	1.01164E-01

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0 TOTAL FLUX - G=GROUP NO. N= 32

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	7.03257E+04	8.47702E+04	5.62537E+04	2.25529E+04	1.17795E+04	1.62404E+03	9.33851E+01	4.57693E+01
2	1	1.00000E+00	7.03223E+04	8.47673E+04	5.62522E+04	2.25526E+04	1.17797E+04	1.62411E+03	9.33913E+01	4.57729E+01
3	1	2.67567E+00	7.02834E+04	8.47319E+04	5.62381E+04	2.25501E+04	1.17814E+04	1.62480E+03	9.34320E+01	4.57999E+01
4	1	5.02700E+00	7.01864E+04	8.46440E+04	5.62034E+04	2.25440E+04	1.17857E+04	1.62651E+03	9.35331E+01	4.58664E+01
5	1	7.37833E+00	7.00325E+04	8.45051E+04	5.61487E+04	2.25346E+04	1.17927E+04	1.62928E+03	9.36980E+01	4.59753E+01
6	1	9.72967E+00	6.98223E+04	8.43161E+04	5.60747E+04	2.25222E+04	1.18026E+04	1.63318E+03	9.39310E+01	4.61304E+01
7	1	1.20810E+01	6.95554E+04	8.40781E+04	5.59821E+04	2.25071E+04	1.18159E+04	1.63832E+03	9.42381E+01	4.63378E+01
8	1	1.44323E+01	6.92316E+04	8.37918E+04	5.58719E+04	2.24898E+04	1.18331E+04	1.64484E+03	9.46277E+01	4.66056E+01
9	1	1.67837E+01	6.88508E+04	8.34586E+04	5.57454E+04	2.24711E+04	1.18547E+04	1.65291E+03	9.51103E+01	4.69448E+01
10	1	1.91350E+01	6.84128E+04	8.30802E+04	5.56039E+04	2.24518E+04	1.18815E+04	1.66276E+03	9.56988E+01	4.73703E+01
11	1	2.14863E+01	6.79174E+04	8.26588E+04	5.54493E+04	2.24327E+04	1.19145E+04	1.67464E+03	9.64088E+01	4.79013E+01
12	1	2.38377E+01	6.73641E+04	8.21965E+04	5.52836E+04	2.24150E+04	1.19545E+04	1.68888E+03	9.72591E+01	4.85642E+01
13	1	2.61890E+01	6.67528E+04	8.16963E+04	5.51090E+04	2.23998E+04	1.20028E+04	1.70585E+03	9.82721E+01	4.93936E+01
14	1	2.85403E+01	6.60827E+04	8.11613E+04	5.49280E+04	2.23886E+04	1.20608E+04	1.72598E+03	9.94746E+01	5.04370E+01
15	1	3.08917E+01	6.53533E+04	8.05955E+04	5.47435E+04	2.23828E+04	1.21298E+04	1.74982E+03	1.00899E+02	5.17586E+01
16	1	3.32430E+01	6.45635E+04	8.00027E+04	5.45586E+04	2.23842E+04	1.22118E+04	1.77797E+03	1.02582E+02	5.34472E+01
17	1	3.55943E+01	6.37121E+04	7.93880E+04	5.43766E+04	2.23946E+04	1.23087E+04	1.81119E+03	1.04572E+02	5.56257E+01
18	1	3.79457E+01	6.27974E+04	7.87569E+04	5.42013E+04	2.24162E+04	1.24226E+04	1.85033E+03	1.06925E+02	5.84661E+01
19	1	4.02970E+01	6.18172E+04	7.81159E+04	5.40367E+04	2.24512E+04	1.25561E+04	1.89644E+03	1.09711E+02	6.22111E+01
20	1	4.26483E+01	6.07686E+04	7.74719E+04	5.38870E+04	2.25023E+04	1.27121E+04	1.95074E+03	1.13024E+02	6.72054E+01
21	1	4.49997E+01	5.96477E+04	7.68333E+04	5.37571E+04	2.25722E+04	1.28937E+04	2.01471E+03	1.16989E+02	7.39416E+01
22	1	4.73510E+01	5.84495E+04	7.62099E+04	5.36517E+04	2.26638E+04	1.31046E+04	2.09011E+03	1.21789E+02	8.31294E+01
23	1	4.97023E+01	5.71674E+04	7.56129E+04	5.35763E+04	2.27809E+04	1.33488E+04	2.17903E+03	1.27707E+02	9.57964E+01

24	1	5.20537E+01	5.57930E+04	7.50549E+04	5.35365E+04	2.29270E+04	1.36311E+04	2.28403E+03	1.35216E+02	1.13439E+02
25	1	5.44050E+01	5.43149E+04	7.45517E+04	5.35383E+04	2.31064E+04	1.39569E+04	2.40819E+03	1.45159E+02	1.38253E+02
26	1	5.67563E+01	5.27185E+04	7.41217E+04	5.35881E+04	2.33238E+04	1.43323E+04	2.55527E+03	1.59098E+02	1.73473E+02
27	1	5.91077E+01	5.09840E+04	7.37875E+04	5.36927E+04	2.35844E+04	1.47645E+04	2.72990E+03	1.80094E+02	2.23891E+02
28	1	6.14590E+01	4.90857E+04	7.35774E+04	5.38595E+04	2.38945E+04	1.52618E+04	2.93787E+03	2.14127E+02	2.96655E+02
29	1	6.38103E+01	4.69873E+04	7.35282E+04	5.40966E+04	2.42613E+04	1.58345E+04	3.18647E+03	2.73671E+02	4.02449E+02
30	1	6.61617E+01	4.46356E+04	7.36929E+04	5.44140E+04	2.46939E+04	1.64954E+04	3.48531E+03	3.83543E+02	5.57374E+02
31	1	6.85130E+01	4.19376E+04	7.41627E+04	5.48280E+04	2.52045E+04	1.72628E+04	3.84822E+03	5.99961E+02	7.85625E+02
32	1	7.08643E+01	3.86669E+04	7.51588E+04	5.53778E+04	2.58205E+04	1.81740E+04	4.30234E+03	1.04087E+03	1.12704E+03
33	1	7.27900E+01	3.53206E+04	7.65972E+04	5.59700E+04	2.64296E+04	1.90603E+04	4.76674E+03	1.72913E+03	1.51743E+03
34	1	7.37900E+01	3.31819E+04	7.77186E+04	5.63585E+04	2.68041E+04	1.95962E+04	5.05916E+03	2.33412E+03	1.77660E+03
0										
35	2	7.43575E+01	2.86977E+04	7.89008E+04	5.68558E+04	2.76778E+04	2.08396E+04	6.15687E+03	3.24054E+03	2.26357E+03
36	2	7.49925E+01	2.27285E+04	7.96805E+04	5.72615E+04	2.88891E+04	2.27279E+04	7.88045E+03	4.47160E+03	3.04435E+03
37	2	7.56275E+01	1.91126E+04	7.94387E+04	5.70199E+04	2.95886E+04	2.41439E+04	9.17335E+03	5.47804E+03	3.76309E+03
38	2	7.62625E+01	1.63696E+04	7.94219E+04	5.61632E+04	2.99446E+04	2.52654E+04	1.02436E+04	6.35096E+03	4.45385E+03
0										
39	3	7.68300E+01	1.51352E+04	7.96720E+04	5.55669E+04	3.00450E+04	2.57679E+04	1.07309E+04	6.75657E+03	4.79467E+03
40	3	7.73300E+01	1.51168E+04	7.98256E+04	5.55644E+04	3.00489E+04	2.57758E+04	1.07336E+04	6.75933E+03	4.79598E+03
41	3	7.78300E+01	1.51010E+04	7.99848E+04	5.55661E+04	3.00528E+04	2.57826E+04	1.07357E+04	6.76116E+03	4.79643E+03
0										
42	4	7.83300E+01	1.33884E+04	7.95767E+04	5.47942E+04	3.00104E+04	2.60977E+04	1.10085E+04	7.08565E+03	5.10862E+03
43	4	7.88300E+01	1.11514E+04	7.74056E+04	5.31858E+04	2.98125E+04	2.65348E+04	1.14592E+04	7.68096E+03	5.72845E+03
44	4	7.93300E+01	1.04548E+04	7.33003E+04	5.14233E+04	2.94220E+04	2.66193E+04	1.17380E+04	8.17267E+03	6.33926E+03
45	4	7.98300E+01	1.12469E+04	6.71730E+04	4.95213E+04	2.88950E+04	2.63489E+04	1.18682E+04	8.58339E+03	6.98156E+03
0										
46	5	8.03300E+01	1.23749E+04	6.09057E+04	4.78574E+04	2.83721E+04	2.58836E+04	1.18835E+04	8.88973E+03	7.56713E+03
47	5	8.10800E+01	1.27825E+04	5.45155E+04	4.56770E+04	2.75565E+04	2.51673E+04	1.17682E+04	9.12083E+03	8.14544E+03
48	5	8.20800E+01	1.31596E+04	4.78199E+04	4.26569E+04	2.62845E+04	2.41399E+04	1.14915E+04	9.24011E+03	8.66617E+03
49	5	8.30800E+01	1.33801E+04	4.25971E+04	3.96184E+04	2.48369E+04	2.29868E+04	1.10823E+04	9.16430E+03	8.92791E+03
50	5	8.40800E+01	1.34961E+04	3.82719E+04	3.66421E+04	2.32709E+04	2.17236E+04	1.05758E+04	8.93979E+03	8.98069E+03
51	5	8.50800E+01	1.35334E+04	3.46353E+04	3.37602E+04	2.16287E+04	2.03807E+04	9.99855E+03	8.60365E+03	8.86352E+03
52	5	8.60800E+01	1.35067E+04	3.15620E+04	3.09848E+04	1.99327E+04	1.89802E+04	9.37087E+03	8.18353E+03	8.61163E+03
53	5	8.70800E+01	1.34241E+04	2.89614E+04	2.83131E+04	1.81980E+04	1.75482E+04	8.70909E+03	7.70308E+03	8.25378E+03
54	5	8.80800E+01	1.32890E+04	2.67675E+04	2.57275E+04	1.64265E+04	1.61104E+04	8.02441E+03	7.18082E+03	7.81415E+03
55	5	8.90800E+01	1.30973E+04	2.49533E+04	2.31544E+04	1.45940E+04	1.46853E+04	7.32530E+03	6.62845E+03	7.31212E+03
56	5	8.98300E+01	1.29161E+04	2.38131E+04	2.11416E+04	1.31260E+04	1.36161E+04	6.77568E+03	6.18659E+03	6.88185E+03
0										
57	6	9.03300E+01	1.28428E+04	2.34785E+04	2.04097E+04	1.25842E+04	1.32455E+04	6.57532E+03	6.02404E+03	6.71579E+03
58	6	9.08300E+01	1.28366E+04	2.34645E+04	2.03758E+04	1.25680E+04	1.32357E+04	6.57131E+03	6.01979E+03	6.71120E+03
59	6	9.20800E+01	1.28228E+04	2.34370E+04	2.03035E+04	1.25335E+04	1.32148E+04	6.56269E+03	6.01061E+03	6.70114E+03
60	6	9.41425E+01	1.28021E+04	2.34021E+04	2.02014E+04	1.24846E+04	1.31851E+04	6.55042E+03	5.99748E+03	6.68652E+03
61	6	9.62675E+01	1.27833E+04	2.33809E+04	2.01194E+04	1.24451E+04	1.31609E+04	6.54038E+03	5.98663E+03	6.67404E+03
62	6	9.83925E+01	1.27660E+04	2.33718E+04	2.00548E+04	1.24137E+04	1.31416E+04	6.53229E+03	5.97777E+03	6.66348E+03
63	6	1.00517E+02	1.27490E+04	2.33729E+04	2.00038E+04	1.23884E+04	1.31260E+04	6.52567E+03	5.97042E+03	6.65430E+03
64	6	1.02642E+02	1.27318E+04	2.33831E+04	1.99634E+04	1.23680E+04	1.31133E+04	6.52019E+03	5.96423E+03	6.64615E+03
65	6	1.04767E+02	1.27135E+04	2.34021E+04	1.99321E+04	1.23516E+04	1.31029E+04	6.51563E+03	5.95898E+03	6.63877E+03
66	6	1.06892E+02	1.26935E+04	2.34302E+04	1.99087E+04	1.23388E+04	1.30946E+04	6.51188E+03	5.95453E+03	6.63198E+03
67	6	1.09017E+02	1.26712E+04	2.34681E+04	1.98928E+04	1.23291E+04	1.30882E+04	6.50885E+03	5.95078E+03	6.62564E+03
68	6	1.11142E+02	1.26456E+04	2.35175E+04	1.98845E+04	1.23227E+04	1.30836E+04	6.50653E+03	5.94769E+03	6.61964E+03
69	6	1.13267E+02	1.26158E+04	2.35807E+04	1.98844E+04	1.23196E+04	1.30809E+04	6.50495E+03	5.94529E+03	6.61390E+03
70	6	1.15392E+02	1.25808E+04	2.36611E+04	1.98935E+04	1.23204E+04	1.30805E+04	6.50420E+03	5.94362E+03	6.60834E+03
71	6	1.17517E+02	1.25392E+04	2.37635E+04	1.99139E+04	1.23259E+04	1.30828E+04	6.50446E+03	5.94282E+03	6.60292E+03
72	6	1.19080E+02	1.25044E+04	2.38531E+04	1.99359E+04	1.23328E+04	1.30862E+04	6.50528E+03	5.94275E+03	6.59899E+03
73	6	1.19830E+02	1.24858E+04	2.39028E+04	1.99497E+04	1.23375E+04	1.30887E+04	6.50597E+03	5.94297E+03	6.59711E+03
0										
74	7	1.20330E+02	1.24882E+04	2.34999E+04	1.95251E+04	1.19415E+04	1.28755E+04	6.36023E+03	5.86652E+03	6.54397E+03
0										
75	8	1.20838E+02	1.25795E+04	2.24888E+04	1.87345E+04	1.13772E+04	1.25591E+04	6.17748E+03	5.75899E+03	6.48178E+03
76	8	1.21355E+02	1.26357E+04	2.13708E+04	1.80022E+04	1.10391E+04	1.23477E+04	6.10128E+03	5.69498E+03	6.45607E+03

77	8	1.21872E+02	1.25113E+04	2.03415E+04	1.72527E+04	1.06889E+04	1.21221E+04	6.02235E+03	5.62702E+03	6.42065E+03
78	8	1.22388E+02	1.22599E+04	1.93496E+04	1.64924E+04	1.03305E+04	1.18870E+04	5.94136E+03	5.55705E+03	6.38000E+03
79	8	1.22905E+02	1.19107E+04	1.83714E+04	1.57228E+04	9.96588E+03	1.16447E+04	5.85875E+03	5.48594E+03	6.33629E+03
80	8	1.23422E+02	1.14816E+04	1.73964E+04	1.49469E+04	9.59653E+03	1.13968E+04	5.77491E+03	5.41421E+03	6.29067E+03
81	8	1.23938E+02	1.09852E+04	1.64204E+04	1.41663E+04	9.22363E+03	1.11444E+04	5.69018E+03	5.34219E+03	6.24384E+03
82	8	1.24455E+02	1.04283E+04	1.54400E+04	1.33823E+04	8.84838E+03	1.08882E+04	5.60486E+03	5.26997E+03	6.19623E+03
83	8	1.24972E+02	9.81916E+03	1.44554E+04	1.25962E+04	8.47140E+03	1.06307E+04	5.51938E+03	5.19838E+03	6.14828E+03
84	8	1.25488E+02	9.16383E+03	1.34668E+04	1.18091E+04	8.09407E+03	1.03727E+04	5.43436E+03	5.12763E+03	6.10007E+03
85	8	1.26005E+02	8.46759E+03	1.24749E+04	1.10217E+04	7.71804E+03	1.01168E+04	5.35079E+03	5.05842E+03	6.05355E+03
86	8	1.26522E+02	7.73459E+03	1.14810E+04	1.02356E+04	7.34607E+03	9.86678E+03	5.27045E+03	4.99200E+03	6.00971E+03
87	8	1.27038E+02	6.96743E+03	1.04870E+04	9.45318E+03	6.98321E+03	9.63063E+03	5.19652E+03	4.93091E+03	5.97125E+03
88	8	1.27555E+02	6.16548E+03	9.49553E+03	8.67888E+03	6.63889E+03	9.42321E+03	5.13708E+03	4.88002E+03	5.94373E+03
89	8	1.28072E+02	5.32325E+03	8.51277E+03	7.92155E+03	6.33599E+03	9.28043E+03	5.10662E+03	4.85100E+03	5.93878E+03
0										
90	9	1.28584E+02	4.31498E+03	7.46782E+03	7.08428E+03	6.09563E+03	9.25003E+03	5.11689E+03	4.83878E+03	5.95120E+03
91	9	1.29092E+02	3.29609E+03	6.19569E+03	6.01923E+03	5.53176E+03	8.73587E+03	4.90084E+03	4.64477E+03	5.75821E+03
92	9	1.29601E+02	2.53542E+03	4.91802E+03	4.89694E+03	4.63907E+03	7.61340E+03	4.37843E+03	4.20549E+03	5.28037E+03
93	9	1.30109E+02	1.96737E+03	3.89090E+03	3.93374E+03	3.81065E+03	6.43957E+03	3.78157E+03	3.68215E+03	4.68828E+03
94	9	1.30618E+02	1.52856E+03	3.05944E+03	3.13018E+03	3.07753E+03	5.32639E+03	3.18521E+03	3.14189E+03	4.05485E+03
95	9	1.31126E+02	1.19370E+03	2.40426E+03	2.47870E+03	2.46273E+03	4.34162E+03	2.63519E+03	2.62939E+03	3.43627E+03
96	9	1.31634E+02	9.35042E+02	1.89014E+03	1.95846E+03	1.95976E+03	3.50415E+03	2.15236E+03	2.16875E+03	2.86605E+03
97	9	1.32143E+02	7.35048E+02	1.48825E+03	1.54660E+03	1.55499E+03	2.80990E+03	1.74208E+03	1.76964E+03	2.36125E+03
98	9	1.32651E+02	5.79769E+02	1.17438E+03	1.22222E+03	1.23248E+03	2.24418E+03	1.40123E+03	1.43273E+03	1.92725E+03
99	9	1.33159E+02	4.58876E+02	9.29167E+02	9.67408E+02	9.77107E+02	1.78853E+03	1.12255E+03	1.15366E+03	1.56218E+03
100	9	1.33667E+02	3.64464E+02	7.37353E+02	7.67408E+02	7.75583E+02	1.42439E+03	8.97248E+02	9.25654E+02	1.26006E+03
101	9	1.34176E+02	2.90508E+02	5.87021E+02	6.10376E+02	6.16806E+02	1.13483E+03	7.16511E+02	7.41225E+02	1.01307E+03
102	9	1.34684E+02	2.32398E+02	4.68927E+02	4.86934E+02	4.91739E+02	9.05263E+02	5.72287E+02	5.93097E+02	8.12987E+02
103	9	1.35193E+02	1.86591E+02	3.75910E+02	3.89718E+02	3.93149E+02	7.23514E+02	4.57575E+02	4.74697E+02	6.51962E+02
104	9	1.35701E+02	1.50365E+02	3.02428E+02	3.12977E+02	3.15312E+02	5.79651E+02	3.66491E+02	3.80345E+02	5.22962E+02
105	9	1.36209E+02	1.21622E+02	2.44203E+02	2.52239E+02	2.53734E+02	4.65699E+02	2.94206E+02	3.05279E+02	4.19923E+02
106	9	1.36717E+02	9.87393E+01	1.97919E+02	2.04029E+02	2.04899E+02	3.75312E+02	2.36816E+02	2.45585E+02	3.37756E+02
107	9	1.37226E+02	8.04626E+01	1.61009E+02	1.65646E+02	1.66064E+02	3.03479E+02	1.91199E+02	1.98098E+02	2.72269E+02
108	9	1.37734E+02	6.58157E+01	1.31477E+02	1.34991E+02	1.35090E+02	2.46258E+02	1.54877E+02	1.60276E+02	2.20059E+02
109	9	1.38243E+02	5.40393E+01	1.07772E+02	1.10428E+02	1.10310E+02	2.00556E+02	1.25892E+02	1.30101E+02	1.78390E+02
110	9	1.38751E+02	4.45402E+01	8.86810E+01	9.06849E+01	9.04228E+01	1.63949E+02	1.02703E+02	1.05975E+02	1.45079E+02
111	9	1.39259E+02	3.68535E+01	7.32568E+01	7.47622E+01	7.44098E+01	1.34536E+02	8.40974E+01	8.66337E+01	1.18390E+02
112	9	1.39768E+02	3.06137E+01	6.07544E+01	6.18779E+01	6.14720E+01	1.10822E+02	6.91200E+01	7.10804E+01	9.69472E+01
113	9	1.40276E+02	2.55329E+01	5.05869E+01	5.14154E+01	5.09807E+01	9.16315E+01	5.70190E+01	5.85284E+01	7.96610E+01
114	9	1.40784E+02	2.13827E+01	4.22892E+01	4.28860E+01	4.24377E+01	7.60333E+01	4.71998E+01	4.83557E+01	6.56686E+01
115	9	1.41292E+02	1.79809E+01	3.54894E+01	3.58984E+01	3.54455E+01	6.32851E+01	3.91914E+01	4.00683E+01	5.42847E+01
116	9	1.41801E+02	1.51807E+01	2.98846E+01	3.01329E+01	2.96807E+01	5.27891E+01	3.26172E+01	3.32747E+01	4.49620E+01
117	9	1.42309E+02	1.28551E+01	2.52175E+01	2.53192E+01	2.48851E+01	4.40583E+01	2.71943E+01	2.76556E+01	3.72634E+01
118	9	1.42818E+02	1.09063E+01	2.12620E+01	2.12127E+01	2.08104E+01	3.66693E+01	2.26573E+01	2.29604E+01	3.08169E+01
119	9	1.43326E+02	9.13656E+00	1.76904E+01	1.75303E+01	1.74147E+01	3.03889E+01	1.91687E+01	1.89880E+01	2.54018E+01
0										
120	10	1.43830E+02	7.66445E+00	1.48287E+01	1.46658E+01	1.50238E+01	2.58914E+01	1.69903E+01	1.61720E+01	2.16212E+01
121	10	1.44330E+02	6.44554E+00	1.25410E+01	1.24297E+01	1.32220E+01	2.25667E+01	1.54195E+01	1.41637E+01	1.89287E+01
0										
122	11	1.44830E+02	4.55825E+00	9.70345E+00	9.37563E+00	9.32136E+00	1.61845E+01	1.03493E+01	1.00924E+01	1.33817E+01
0										
123	12	1.45330E+02	3.28509E+00	8.00124E+00	7.43761E+00	6.30894E+00	1.14515E+01	6.04985E+00	7.01337E+00	9.16818E+00
124	12	1.46080E+02	3.24698E+00	7.89741E+00	7.34530E+00	6.23122E+00	1.13110E+01	5.97562E+00	6.92658E+00	9.05661E+00
125	12	1.47580E+02	3.17647E+00	7.70638E+00	7.17522E+00	6.08800E+00	1.10523E+01	5.83889E+00	6.76669E+00	8.85093E+00
126	12	1.50580E+02	3.05380E+00	7.37743E+00	6.88155E+00	5.84065E+00	1.06053E+01	5.60291E+00	6.49061E+00	8.49546E+00
127	12	1.55236E+02	2.89455E+00	6.95633E+00	6.50418E+00	5.52269E+00	1.00305E+01	5.29983E+00	6.13583E+00	8.03802E+00
128	12	1.60549E+02	2.74566E+00	6.56918E+00	6.15557E+00	5.22882E+00	9.49896E+00	5.01997E+00	5.80804E+00	7.61465E+00
129	12	1.65861E+02	2.62223E+00	6.25327E+00	5.86975E+00	4.98771E+00	9.06271E+00	4.79056E+00	5.53921E+00	7.26685E+00
130	12	1.71174E+02	2.51609E+00	5.98484E+00	5.62596E+00	4.78194E+00	8.69026E+00	4.59485E+00	5.30983E+00	6.96969E+00
131	12	1.76486E+02	2.42253E+00	5.75032E+00	5.41231E+00	4.60151E+00	8.36357E+00	4.42329E+00	5.10874E+00	6.70890E+00
132	12	1.81799E+02	2.33862E+00	5.54140E+00	5.22152E+00	4.44031E+00	8.07162E+00	4.27001E+00	4.92909E+00	6.47573E+00

133	12	1.87111E+02	2.26244E+00	5.35270E+00	5.04884E+00	4.29434E+00	7.80722E+00	4.13122E+00	4.76645E+00	6.26448E+00
134	12	1.92424E+02	2.19264E+00	5.18051E+00	4.89100E+00	4.16087E+00	7.56539E+00	4.00430E+00	4.61773E+00	6.07121E+00
135	12	1.97580E+02	2.12999E+00	5.02647E+00	4.74959E+00	4.04124E+00	7.34863E+00	3.89052E+00	4.48446E+00	5.89792E+00
136	12	2.02580E+02	2.07351E+00	4.88797E+00	4.62228E+00	3.93351E+00	7.15339E+00	3.78804E+00	4.36444E+00	5.74180E+00
137	12	2.07580E+02	2.02065E+00	4.75865E+00	4.50327E+00	3.83278E+00	6.97079E+00	3.69220E+00	4.25222E+00	5.59577E+00
138	12	2.12580E+02	1.97101E+00	4.63742E+00	4.39159E+00	3.73823E+00	6.79939E+00	3.60222E+00	4.14689E+00	5.45865E+00
139	12	2.17580E+02	1.92424E+00	4.52341E+00	4.28647E+00	3.64920E+00	6.63797E+00	3.51748E+00	4.04772E+00	5.32951E+00
140	12	2.22580E+02	1.88006E+00	4.41588E+00	4.18722E+00	3.56513E+00	6.48553E+00	3.43744E+00	3.95408E+00	5.20753E+00
141	12	2.27580E+02	1.83823E+00	4.31420E+00	4.09329E+00	3.48555E+00	6.34121E+00	3.36165E+00	3.86543E+00	5.09202E+00
142	12	2.32580E+02	1.79853E+00	4.21781E+00	4.00419E+00	3.41003E+00	6.20425E+00	3.28972E+00	3.78132E+00	4.98240E+00
143	12	2.37580E+02	1.76077E+00	4.12627E+00	3.91949E+00	3.33824E+00	6.07403E+00	3.22132E+00	3.70136E+00	4.87815E+00
144	12	2.42580E+02	1.72481E+00	4.03915E+00	3.83882E+00	3.26986E+00	5.94997E+00	3.15615E+00	3.62519E+00	4.77882E+00
145	12	2.47580E+02	1.69049E+00	3.95610E+00	3.76187E+00	3.20460E+00	5.83159E+00	3.09395E+00	3.55252E+00	4.68402E+00
146	12	2.52580E+02	1.65770E+00	3.87680E+00	3.68834E+00	3.14224E+00	5.71844E+00	3.03449E+00	3.48307E+00	4.59341E+00
147	12	2.57580E+02	1.62631E+00	3.80096E+00	3.61798E+00	3.08256E+00	5.61013E+00	2.97757E+00	3.41659E+00	4.50666E+00
148	12	2.62580E+02	1.59622E+00	3.72835E+00	3.55056E+00	3.02536E+00	5.50632E+00	2.92300E+00	3.35289E+00	4.42351E+00
149	12	2.67580E+02	1.56736E+00	3.65872E+00	3.48587E+00	2.97047E+00	5.40670E+00	2.87063E+00	3.29176E+00	4.34370E+00
150	12	2.72580E+02	1.53963E+00	3.59188E+00	3.42373E+00	2.91773E+00	5.31098E+00	2.82030E+00	3.23303E+00	4.26700E+00
151	12	2.77580E+02	1.51296E+00	3.52764E+00	3.36397E+00	2.86701E+00	5.21890E+00	2.77188E+00	3.17655E+00	4.19322E+00
152	12	2.82580E+02	1.48728E+00	3.46583E+00	3.30645E+00	2.81817E+00	5.13024E+00	2.72524E+00	3.12216E+00	4.12217E+00
153	12	2.87580E+02	1.46254E+00	3.40631E+00	3.25101E+00	2.77110E+00	5.04478E+00	2.68029E+00	3.06975E+00	4.05368E+00
154	12	2.92580E+02	1.43867E+00	3.34893E+00	3.19755E+00	2.72569E+00	4.96233E+00	2.63691E+00	3.01919E+00	3.98760E+00
155	12	2.97580E+02	1.41563E+00	3.29356E+00	3.14593E+00	2.68185E+00	4.88272E+00	2.59502E+00	2.97037E+00	3.92379E+00
156	12	3.02580E+02	1.39337E+00	3.24010E+00	3.09606E+00	2.63949E+00	4.80578E+00	2.55452E+00	2.92320E+00	3.86211E+00
157	12	3.07580E+02	1.37185E+00	3.18844E+00	3.04783E+00	2.59852E+00	4.73137E+00	2.51535E+00	2.87758E+00	3.80245E+00
158	12	3.12580E+02	1.35102E+00	3.13847E+00	3.00117E+00	2.55887E+00	4.65935E+00	2.47743E+00	2.83343E+00	3.74470E+00
159	12	3.17580E+02	1.33085E+00	3.09010E+00	2.95598E+00	2.52046E+00	4.58959E+00	2.44070E+00	2.79067E+00	3.68876E+00
160	12	3.22580E+02	1.31130E+00	3.04326E+00	2.91218E+00	2.48324E+00	4.52197E+00	2.40509E+00	2.74922E+00	3.63454E+00
161	12	3.27580E+02	1.29235E+00	2.99786E+00	2.86972E+00	2.44714E+00	4.45638E+00	2.37054E+00	2.70903E+00	3.58194E+00
162	12	3.32580E+02	1.27396E+00	2.95383E+00	2.82851E+00	2.41211E+00	4.39274E+00	2.33701E+00	2.67003E+00	3.53089E+00
163	12	3.37580E+02	1.25611E+00	2.91110E+00	2.78851E+00	2.37810E+00	4.33092E+00	2.30444E+00	2.63216E+00	3.48131E+00
164	12	3.42580E+02	1.23877E+00	2.86961E+00	2.74964E+00	2.34505E+00	4.27087E+00	2.27279E+00	2.59537E+00	3.43313E+00
165	12	3.47580E+02	1.22192E+00	2.82931E+00	2.71187E+00	2.31292E+00	4.21248E+00	2.24201E+00	2.55961E+00	3.38629E+00
166	12	3.52580E+02	1.20552E+00	2.79014E+00	2.67513E+00	2.28168E+00	4.15569E+00	2.21207E+00	2.52482E+00	3.34073E+00
167	12	3.57580E+02	1.18958E+00	2.75204E+00	2.63939E+00	2.25127E+00	4.10042E+00	2.18293E+00	2.49097E+00	3.29638E+00
168	12	3.62580E+02	1.17406E+00	2.71497E+00	2.60459E+00	2.22166E+00	4.04660E+00	2.15455E+00	2.45802E+00	3.25320E+00
169	12	3.67580E+02	1.15894E+00	2.67888E+00	2.57071E+00	2.19283E+00	3.99418E+00	2.12690E+00	2.42592E+00	3.21113E+00
170	12	3.72580E+02	1.14421E+00	2.64373E+00	2.53769E+00	2.16473E+00	3.94309E+00	2.09995E+00	2.39464E+00	3.17013E+00
171	12	3.77580E+02	1.12985E+00	2.60949E+00	2.50550E+00	2.13733E+00	3.89328E+00	2.07367E+00	2.36415E+00	3.13014E+00
172	12	3.82580E+02	1.11585E+00	2.57611E+00	2.47410E+00	2.11061E+00	3.84469E+00	2.04803E+00	2.33440E+00	3.09114E+00
173	12	3.87580E+02	1.10220E+00	2.54356E+00	2.44348E+00	2.08453E+00	3.79728E+00	2.02301E+00	2.30538E+00	3.05308E+00
174	12	3.92580E+02	1.08887E+00	2.51180E+00	2.41358E+00	2.05908E+00	3.75099E+00	1.99857E+00	2.27705E+00	3.01593E+00
175	12	3.97580E+02	1.07585E+00	2.48080E+00	2.38440E+00	2.03423E+00	3.70579E+00	1.97471E+00	2.24939E+00	2.97964E+00
176	12	4.02580E+02	1.06314E+00	2.45055E+00	2.35589E+00	2.00995E+00	3.66163E+00	1.95139E+00	2.22237E+00	2.94418E+00
177	12	4.07580E+02	1.05072E+00	2.42099E+00	2.32803E+00	1.98622E+00	3.61847E+00	1.92860E+00	2.19597E+00	2.90953E+00
178	12	4.12580E+02	1.03859E+00	2.39212E+00	2.30080E+00	1.96303E+00	3.57628E+00	1.90631E+00	2.17016E+00	2.87565E+00
179	12	4.17580E+02	1.02672E+00	2.36390E+00	2.27418E+00	1.94035E+00	3.53501E+00	1.88451E+00	2.14491E+00	2.84251E+00
180	12	4.22580E+02	1.01511E+00	2.33631E+00	2.24814E+00	1.91816E+00	3.49464E+00	1.86318E+00	2.12022E+00	2.81009E+00
181	12	4.27580E+02	1.00376E+00	2.30932E+00	2.22266E+00	1.89645E+00	3.45514E+00	1.84230E+00	2.09606E+00	2.77836E+00
182	12	4.32580E+02	9.92646E-01	2.28293E+00	2.19772E+00	1.87519E+00	3.41647E+00	1.82186E+00	2.07241E+00	2.74730E+00
183	12	4.37580E+02	9.81768E-01	2.25709E+00	2.17330E+00	1.85438E+00	3.37860E+00	1.80184E+00	2.04926E+00	2.71688E+00
184	12	4.42580E+02	9.71115E-01	2.23180E+00	2.14939E+00	1.83400E+00	3.34150E+00	1.78223E+00	2.02658E+00	2.68708E+00
185	12	4.47580E+02	9.60680E-01	2.20704E+00	2.12597E+00	1.81403E+00	3.30516E+00	1.76301E+00	2.00436E+00	2.65788E+00
186	12	4.52580E+02	9.50456E-01	2.18279E+00	2.10301E+00	1.79446E+00	3.26954E+00	1.74417E+00	1.98259E+00	2.62927E+00
187	12	4.57580E+02	9.40436E-01	2.15903E+00	2.08051E+00	1.77528E+00	3.23462E+00	1.72570E+00	1.96125E+00	2.60121E+00
188	12	4.62580E+02	9.30612E-01	2.13574E+00	2.05846E+00	1.75647E+00	3.20038E+00	1.70758E+00	1.94032E+00	2.57370E+00
189	12	4.67580E+02	9.20980E-01	2.11292E+00	2.03683E+00	1.73802E+00	3.16680E+00	1.68981E+00	1.91979E+00	2.54671E+00
190	12	4.72580E+02	9.11532E-01	2.09053E+00	2.01561E+00	1.71992E+00	3.13385E+00	1.67237E+00	1.89966E+00	2.52023E+00
191	12	4.77580E+02	9.02263E-01	2.06858E+00	1.99479E+00	1.70216E+00	3.10151E+00	1.65526E+00	1.87990E+00	2.49424E+00
192	12	4.82580E+02	8.93167E-01	2.04705E+00	1.97436E+00	1.68473E+00	3.06977E+00	1.63845E+00	1.86051E+00	2.46873E+00

193	12	4.87580E+02	8.84238E-01	2.02592E+00	1.95430E+00	1.66762E+00	3.03861E+00	1.62195E+00	1.84148E+00	2.44368E+00
194	12	4.92580E+02	8.75473E-01	2.00519E+00	1.93461E+00	1.65081E+00	3.00801E+00	1.60574E+00	1.82278E+00	2.41908E+00
195	12	4.97580E+02	8.66865E-01	1.98483E+00	1.91527E+00	1.63430E+00	2.97795E+00	1.58982E+00	1.80443E+00	2.39492E+00
196	12	5.02580E+02	8.58410E-01	1.96484E+00	1.89627E+00	1.61809E+00	2.94841E+00	1.57417E+00	1.78639E+00	2.37118E+00
197	12	5.07580E+02	8.50104E-01	1.94521E+00	1.87760E+00	1.60215E+00	2.91939E+00	1.55880E+00	1.76867E+00	2.34784E+00
198	12	5.12580E+02	8.41942E-01	1.92593E+00	1.85926E+00	1.58649E+00	2.89086E+00	1.54368E+00	1.75125E+00	2.32491E+00
199	12	5.17580E+02	8.33920E-01	1.90698E+00	1.84123E+00	1.57110E+00	2.86282E+00	1.52882E+00	1.73413E+00	2.30236E+00
200	12	5.22580E+02	8.26035E-01	1.88836E+00	1.82350E+00	1.55596E+00	2.83524E+00	1.51420E+00	1.71730E+00	2.28019E+00
201	12	5.27580E+02	8.18281E-01	1.87006E+00	1.80607E+00	1.54108E+00	2.80812E+00	1.49982E+00	1.70074E+00	2.25838E+00
202	12	5.32580E+02	8.10656E-01	1.85207E+00	1.78892E+00	1.52643E+00	2.78144E+00	1.48567E+00	1.68446E+00	2.23692E+00
203	12	5.37580E+02	8.03155E-01	1.83438E+00	1.77206E+00	1.51203E+00	2.75519E+00	1.47175E+00	1.66844E+00	2.21581E+00
204	12	5.42580E+02	7.95776E-01	1.81698E+00	1.75547E+00	1.49785E+00	2.72936E+00	1.45805E+00	1.65268E+00	2.19504E+00
205	12	5.47580E+02	7.88516E-01	1.79986E+00	1.73914E+00	1.48390E+00	2.70394E+00	1.44456E+00	1.63716E+00	2.17459E+00
206	12	5.52580E+02	7.81370E-01	1.78302E+00	1.72306E+00	1.47017E+00	2.67891E+00	1.43128E+00	1.62190E+00	2.15446E+00
207	12	5.57580E+02	7.74336E-01	1.76645E+00	1.70724E+00	1.45665E+00	2.65427E+00	1.41820E+00	1.60686E+00	2.13463E+00
208	12	5.62580E+02	7.67412E-01	1.75015E+00	1.69166E+00	1.44334E+00	2.63000E+00	1.40532E+00	1.59206E+00	2.11511E+00
209	12	5.67580E+02	7.60593E-01	1.73409E+00	1.67632E+00	1.43022E+00	2.60610E+00	1.39263E+00	1.57748E+00	2.09588E+00
210	12	5.72580E+02	7.53878E-01	1.71829E+00	1.66121E+00	1.41731E+00	2.58256E+00	1.38013E+00	1.56312E+00	2.07694E+00
211	12	5.77580E+02	7.47263E-01	1.70273E+00	1.64633E+00	1.40458E+00	2.55936E+00	1.36781E+00	1.54898E+00	2.05827E+00
212	12	5.82580E+02	7.40746E-01	1.68740E+00	1.63166E+00	1.39204E+00	2.53650E+00	1.35567E+00	1.53504E+00	2.03988E+00
213	12	5.87580E+02	7.34325E-01	1.67230E+00	1.61721E+00	1.37969E+00	2.51397E+00	1.34370E+00	1.52130E+00	2.02175E+00
214	12	5.92580E+02	7.27998E-01	1.65743E+00	1.60296E+00	1.36751E+00	2.49176E+00	1.33190E+00	1.50776E+00	2.00388E+00
215	12	5.97580E+02	7.21761E-01	1.64277E+00	1.58892E+00	1.35550E+00	2.46986E+00	1.32027E+00	1.49441E+00	1.98626E+00
216	12	6.02580E+02	7.15613E-01	1.62833E+00	1.57508E+00	1.34366E+00	2.44827E+00	1.30879E+00	1.48125E+00	1.96888E+00
217	12	6.07580E+02	7.09551E-01	1.61409E+00	1.56143E+00	1.33198E+00	2.42698E+00	1.29747E+00	1.46828E+00	1.95174E+00
218	12	6.12580E+02	7.03574E-01	1.60006E+00	1.54797E+00	1.32047E+00	2.40598E+00	1.28631E+00	1.45548E+00	1.93484E+00
219	12	6.17580E+02	6.97680E-01	1.58623E+00	1.53470E+00	1.30911E+00	2.38526E+00	1.27529E+00	1.44286E+00	1.91816E+00
220	12	6.22580E+02	6.91865E-01	1.57259E+00	1.52160E+00	1.29790E+00	2.36482E+00	1.26442E+00	1.43040E+00	1.90171E+00
221	12	6.27580E+02	6.86130E-01	1.55913E+00	1.50868E+00	1.28685E+00	2.34465E+00	1.25369E+00	1.41811E+00	1.88547E+00
222	12	6.32580E+02	6.80470E-01	1.54586E+00	1.49593E+00	1.27594E+00	2.32475E+00	1.24310E+00	1.40599E+00	1.86945E+00
223	12	6.37580E+02	6.74886E-01	1.53277E+00	1.48335E+00	1.26517E+00	2.30510E+00	1.23265E+00	1.39402E+00	1.85363E+00
224	12	6.42580E+02	6.69375E-01	1.51986E+00	1.47093E+00	1.25454E+00	2.28571E+00	1.22233E+00	1.38221E+00	1.83801E+00
225	12	6.47580E+02	6.63936E-01	1.50712E+00	1.45868E+00	1.24404E+00	2.26656E+00	1.21214E+00	1.37055E+00	1.82260E+00
226	12	6.52580E+02	6.58566E-01	1.49454E+00	1.44657E+00	1.23368E+00	2.24765E+00	1.20208E+00	1.35904E+00	1.80737E+00
227	12	6.57580E+02	6.53265E-01	1.48213E+00	1.43462E+00	1.22345E+00	2.22898E+00	1.19213E+00	1.34767E+00	1.79234E+00
228	12	6.62580E+02	6.48030E-01	1.46988E+00	1.42282E+00	1.21335E+00	2.21054E+00	1.18231E+00	1.33644E+00	1.77748E+00
229	12	6.67580E+02	6.42861E-01	1.45778E+00	1.41117E+00	1.20336E+00	2.19232E+00	1.17261E+00	1.32535E+00	1.76281E+00
230	12	6.72580E+02	6.37755E-01	1.44584E+00	1.39966E+00	1.19350E+00	2.17433E+00	1.16303E+00	1.31440E+00	1.74832E+00
231	12	6.77580E+02	6.32712E-01	1.43404E+00	1.38829E+00	1.18376E+00	2.15654E+00	1.15355E+00	1.30357E+00	1.73400E+00
232	12	6.82580E+02	6.27730E-01	1.42240E+00	1.37705E+00	1.17414E+00	2.13897E+00	1.14419E+00	1.29288E+00	1.71984E+00
233	12	6.87580E+02	6.22807E-01	1.41089E+00	1.36595E+00	1.16462E+00	2.12161E+00	1.13494E+00	1.28231E+00	1.70586E+00
234	12	6.92580E+02	6.17943E-01	1.39953E+00	1.35498E+00	1.15522E+00	2.10444E+00	1.12579E+00	1.27187E+00	1.69203E+00
235	12	6.97580E+02	6.13136E-01	1.38830E+00	1.34413E+00	1.14593E+00	2.08748E+00	1.11674E+00	1.26155E+00	1.67836E+00
236	12	7.02580E+02	6.08385E-01	1.37721E+00	1.33342E+00	1.13674E+00	2.07070E+00	1.10780E+00	1.25134E+00	1.66485E+00
237	12	7.07580E+02	6.03689E-01	1.36624E+00	1.32282E+00	1.12766E+00	2.05412E+00	1.09896E+00	1.24125E+00	1.65149E+00
238	12	7.12580E+02	5.99046E-01	1.35541E+00	1.31234E+00	1.11868E+00	2.03772E+00	1.09021E+00	1.23128E+00	1.63827E+00
239	12	7.17580E+02	5.94456E-01	1.34470E+00	1.30198E+00	1.10980E+00	2.02150E+00	1.08156E+00	1.22141E+00	1.62520E+00
240	12	7.22580E+02	5.89917E-01	1.33411E+00	1.29174E+00	1.10101E+00	2.00546E+00	1.07300E+00	1.21166E+00	1.61228E+00
241	12	7.27580E+02	5.85428E-01	1.32365E+00	1.28161E+00	1.09232E+00	1.98959E+00	1.06453E+00	1.20201E+00	1.59949E+00
242	12	7.32580E+02	5.80989E-01	1.31330E+00	1.27158E+00	1.08373E+00	1.97389E+00	1.05615E+00	1.19246E+00	1.58684E+00
243	12	7.37580E+02	5.76598E-01	1.30307E+00	1.26167E+00	1.07523E+00	1.95836E+00	1.04786E+00	1.18302E+00	1.57432E+00
244	12	7.42580E+02	5.72254E-01	1.29295E+00	1.25186E+00	1.06681E+00	1.94299E+00	1.03966E+00	1.17368E+00	1.56193E+00
245	12	7.47580E+02	5.67956E-01	1.28294E+00	1.24216E+00	1.05849E+00	1.92778E+00	1.03154E+00	1.16443E+00	1.54967E+00
246	12	7.52580E+02	5.63704E-01	1.27304E+00	1.23255E+00	1.05025E+00	1.91273E+00	1.02350E+00	1.15528E+00	1.53754E+00
247	12	7.57580E+02	5.59496E-01	1.26325E+00	1.22305E+00	1.04209E+00	1.89783E+00	1.01554E+00	1.14623E+00	1.52553E+00
248	12	7.62580E+02	5.55332E-01	1.25356E+00	1.21364E+00	1.03402E+00	1.88308E+00	1.00766E+00	1.13727E+00	1.51364E+00
249	12	7.67580E+02	5.51211E-01	1.24397E+00	1.20433E+00	1.02603E+00	1.86847E+00	9.99859E-01	1.12839E+00	1.50187E+00
250	12	7.72580E+02	5.47131E-01	1.23448E+00	1.19511E+00	1.01812E+00	1.85401E+00	9.92132E-01	1.11961E+00	1.49021E+00
251	12	7.77580E+02	5.43092E-01	1.22509E+00	1.18598E+00	1.01028E+00	1.83970E+00	9.84480E-01	1.11091E+00	1.47867E+00
252	12	7.82580E+02	5.39094E-01	1.21580E+00	1.17694E+00	1.00252E+00	1.82552E+00	9.76901E-01	1.10230E+00	1.46724E+00

253	12	7.87580E+02	5.35134E-01	1.20660E+00	1.16799E+00	9.94839E-01	1.81147E+00	9.69393E-01	1.09377E+00	1.45591E+00
254	12	7.92580E+02	5.31214E-01	1.19749E+00	1.15913E+00	9.87229E-01	1.79756E+00	9.61955E-01	1.08532E+00	1.44470E+00
255	12	7.97580E+02	5.27331E-01	1.18848E+00	1.15035E+00	9.79690E-01	1.78378E+00	9.54585E-01	1.07695E+00	1.43358E+00
256	12	8.02580E+02	5.23486E-01	1.17955E+00	1.14166E+00	9.72222E-01	1.77013E+00	9.47283E-01	1.06866E+00	1.42257E+00
257	12	8.07580E+02	5.19676E-01	1.17071E+00	1.13304E+00	9.64823E-01	1.75660E+00	9.40046E-01	1.06045E+00	1.41167E+00
258	12	8.12580E+02	5.15903E-01	1.16195E+00	1.12451E+00	9.57491E-01	1.74320E+00	9.32874E-01	1.05231E+00	1.40085E+00
259	12	8.17580E+02	5.12164E-01	1.15328E+00	1.11605E+00	9.50226E-01	1.72992E+00	9.25766E-01	1.04425E+00	1.39014E+00
260	12	8.22580E+02	5.08460E-01	1.14469E+00	1.10767E+00	9.43026E-01	1.71675E+00	9.18719E-01	1.03625E+00	1.37952E+00
261	12	8.27580E+02	5.04789E-01	1.13618E+00	1.09936E+00	9.35889E-01	1.70370E+00	9.11733E-01	1.02833E+00	1.36899E+00
262	12	8.32580E+02	5.01151E-01	1.12775E+00	1.09113E+00	9.28815E-01	1.69076E+00	9.04806E-01	1.02048E+00	1.35856E+00
263	12	8.37580E+02	4.97545E-01	1.11940E+00	1.08297E+00	9.21802E-01	1.67794E+00	8.97938E-01	1.01270E+00	1.34821E+00
264	12	8.42580E+02	4.93972E-01	1.11112E+00	1.07488E+00	9.14849E-01	1.66522E+00	8.91127E-01	1.00498E+00	1.33795E+00
265	12	8.47580E+02	4.90429E-01	1.10292E+00	1.06686E+00	9.07955E-01	1.65261E+00	8.84373E-01	9.97333E-01	1.32778E+00
266	12	8.52580E+02	4.86917E-01	1.09479E+00	1.05891E+00	9.01118E-01	1.64010E+00	8.77673E-01	9.89747E-01	1.31769E+00
267	12	8.57580E+02	4.83434E-01	1.08673E+00	1.05102E+00	8.94338E-01	1.62770E+00	8.71027E-01	9.82224E-01	1.30768E+00
268	12	8.62580E+02	4.79981E-01	1.07874E+00	1.04320E+00	8.87614E-01	1.61540E+00	8.64434E-01	9.74762E-01	1.29776E+00
269	12	8.67580E+02	4.76557E-01	1.07082E+00	1.03545E+00	8.80943E-01	1.60320E+00	8.57892E-01	9.67361E-01	1.28791E+00
270	12	8.72580E+02	4.73160E-01	1.06297E+00	1.02775E+00	8.74326E-01	1.59109E+00	8.51402E-01	9.60019E-01	1.27814E+00
271	12	8.77580E+02	4.69791E-01	1.05518E+00	1.02012E+00	8.67761E-01	1.57908E+00	8.44961E-01	9.52735E-01	1.26844E+00
272	12	8.82580E+02	4.66450E-01	1.04746E+00	1.01255E+00	8.61247E-01	1.56716E+00	8.38568E-01	9.45508E-01	1.25882E+00
273	12	8.87580E+02	4.63135E-01	1.03980E+00	1.00504E+00	8.54783E-01	1.55533E+00	8.32224E-01	9.38337E-01	1.24928E+00
274	12	8.92580E+02	4.59845E-01	1.03220E+00	9.97582E-01	8.48368E-01	1.54359E+00	8.25925E-01	9.31220E-01	1.23980E+00
275	12	8.97580E+02	4.56581E-01	1.02467E+00	9.90183E-01	8.42001E-01	1.53193E+00	8.19673E-01	9.24156E-01	1.23040E+00
276	12	9.02580E+02	4.53342E-01	1.01719E+00	9.82839E-01	8.35681E-01	1.52037E+00	8.13465E-01	9.17145E-01	1.22106E+00
277	12	9.07580E+02	4.50128E-01	1.00977E+00	9.75550E-01	8.29408E-01	1.50888E+00	8.07301E-01	9.10185E-01	1.21179E+00
278	12	9.12580E+02	4.46937E-01	1.00241E+00	9.68314E-01	8.23178E-01	1.49748E+00	8.01180E-01	9.03276E-01	1.20258E+00
279	12	9.17580E+02	4.43770E-01	9.95108E-01	9.61129E-01	8.16993E-01	1.48616E+00	7.95100E-01	8.96415E-01	1.19344E+00
280	12	9.22580E+02	4.40626E-01	9.87858E-01	9.53996E-01	8.10851E-01	1.47491E+00	7.89062E-01	8.89602E-01	1.18436E+00
281	12	9.27580E+02	4.37504E-01	9.80662E-01	9.46912E-01	8.04752E-01	1.46374E+00	7.83063E-01	8.82836E-01	1.17534E+00
282	12	9.32580E+02	4.34404E-01	9.73519E-01	9.39877E-01	7.98693E-01	1.45265E+00	7.77104E-01	8.76116E-01	1.16638E+00
283	12	9.37580E+02	4.31325E-01	9.66426E-01	9.32889E-01	7.92674E-01	1.44163E+00	7.71182E-01	8.69440E-01	1.15749E+00
284	12	9.42580E+02	4.28267E-01	9.59384E-01	9.25947E-01	7.86694E-01	1.43067E+00	7.65297E-01	8.62808E-01	1.14864E+00
285	12	9.47580E+02	4.25230E-01	9.52392E-01	9.19051E-01	7.80753E-01	1.41979E+00	7.59449E-01	8.56219E-01	1.13985E+00
286	12	9.52580E+02	4.22212E-01	9.45446E-01	9.12199E-01	7.74850E-01	1.40898E+00	7.53636E-01	8.49671E-01	1.13112E+00
287	12	9.57580E+02	4.19214E-01	9.38548E-01	9.05389E-01	7.68982E-01	1.39823E+00	7.47858E-01	8.43164E-01	1.12244E+00
288	12	9.62580E+02	4.16235E-01	9.31696E-01	8.98622E-01	7.63150E-01	1.38755E+00	7.42113E-01	8.36696E-01	1.11381E+00
289	12	9.67580E+02	4.13275E-01	9.24888E-01	8.91895E-01	7.57352E-01	1.37693E+00	7.36400E-01	8.30266E-01	1.10523E+00
290	12	9.72580E+02	4.10332E-01	9.18123E-01	8.85208E-01	7.51588E-01	1.36637E+00	7.30719E-01	8.23874E-01	1.09670E+00
291	12	9.77580E+02	4.07407E-01	9.11401E-01	8.78559E-01	7.45857E-01	1.35586E+00	7.25069E-01	8.17518E-01	1.08822E+00
292	12	9.82580E+02	4.04499E-01	9.04719E-01	8.71948E-01	7.40156E-01	1.34542E+00	7.19448E-01	8.11197E-01	1.07978E+00
293	12	9.87580E+02	4.01608E-01	8.98078E-01	8.65373E-01	7.34487E-01	1.33503E+00	7.13856E-01	8.04910E-01	1.07138E+00
294	12	9.92580E+02	3.98732E-01	8.91475E-01	8.58834E-01	7.28846E-01	1.32469E+00	7.08291E-01	7.98655E-01	1.06303E+00
295	12	9.97580E+02	3.95872E-01	8.84910E-01	8.52328E-01	7.23235E-01	1.31441E+00	7.02754E-01	7.92433E-01	1.05472E+00
296	12	1.00258E+03	3.93027E-01	8.78381E-01	8.45855E-01	7.17651E-01	1.30417E+00	6.97242E-01	7.86241E-01	1.04645E+00
297	12	1.00758E+03	3.90197E-01	8.71887E-01	8.39413E-01	7.12093E-01	1.29398E+00	6.91754E-01	7.80079E-01	1.03822E+00
298	12	1.01258E+03	3.87380E-01	8.65428E-01	8.33002E-01	7.06561E-01	1.28384E+00	6.86290E-01	7.73944E-01	1.03002E+00
299	12	1.01758E+03	3.84577E-01	8.59001E-01	8.26619E-01	7.01053E-01	1.27374E+00	6.80849E-01	7.67837E-01	1.02186E+00
300	12	1.02258E+03	3.81786E-01	8.52605E-01	8.20264E-01	6.95568E-01	1.26368E+00	6.75429E-01	7.61755E-01	1.01373E+00
301	12	1.02758E+03	3.79008E-01	8.46239E-01	8.13936E-01	6.90106E-01	1.25367E+00	6.70029E-01	7.55698E-01	1.00563E+00
302	12	1.03258E+03	3.76242E-01	8.39903E-01	8.07632E-01	6.84664E-01	1.24369E+00	6.64648E-01	7.49664E-01	9.97561E-01
303	12	1.03758E+03	3.73486E-01	8.33593E-01	8.01353E-01	6.79241E-01	1.23374E+00	6.59285E-01	7.43652E-01	9.89521E-01
304	12	1.04258E+03	3.70742E-01	8.27309E-01	7.95095E-01	6.73837E-01	1.22383E+00	6.53938E-01	7.37660E-01	9.81506E-01
305	12	1.04758E+03	3.68007E-01	8.21050E-01	7.88858E-01	6.68450E-01	1.21394E+00	6.48607E-01	7.31686E-01	9.73515E-01
306	12	1.05258E+03	3.65281E-01	8.14814E-01	7.82640E-01	6.63078E-01	1.20409E+00	6.43289E-01	7.25730E-01	9.65546E-01
307	12	1.05758E+03	3.62563E-01	8.08599E-01	7.76439E-01	6.57721E-01	1.19426E+00	6.37984E-01	7.19790E-01	9.57596E-01
308	12	1.06258E+03	3.59854E-01	8.02404E-01	7.70254E-01	6.52376E-01	1.18445E+00	6.32690E-01	7.13864E-01	9.49664E-01
309	12	1.06758E+03	3.57151E-01	7.96227E-01	7.64083E-01	6.47043E-01	1.17466E+00	6.27405E-01	7.07950E-01	9.41747E-01
310	12	1.07258E+03	3.54455E-01	7.90067E-01	7.57924E-01	6.41719E-01	1.16489E+00	6.22127E-01	7.02047E-01	9.33842E-01
311	12	1.07758E+03	3.51764E-01	7.83920E-01	7.51776E-01	6.36403E-01	1.15513E+00	6.16856E-01	6.96152E-01	9.25948E-01
312	12	1.08258E+03	3.49078E-01	7.77787E-01	7.45636E-01	6.31093E-01	1.14538E+00	6.11589E-01	6.90264E-01	9.18061E-01

313	12	1.08758E+03	3.46395E-01	7.71664E-01	7.39502E-01	6.25788E-01	1.13564E+00	6.06324E-01	6.84381E-01	9.10179E-01
314	12	1.09258E+03	3.43715E-01	7.65550E-01	7.33371E-01	6.20485E-01	1.12590E+00	6.01060E-01	6.78500E-01	9.02298E-01
315	12	1.09758E+03	3.41038E-01	7.59441E-01	7.27243E-01	6.15182E-01	1.11616E+00	5.95794E-01	6.72619E-01	8.94417E-01
316	12	1.10258E+03	3.38361E-01	7.53337E-01	7.21113E-01	6.09877E-01	1.10642E+00	5.90524E-01	6.66736E-01	8.86530E-01
317	12	1.10758E+03	3.35684E-01	7.47235E-01	7.14980E-01	6.04568E-01	1.09666E+00	5.85248E-01	6.60848E-01	8.78635E-01
318	12	1.11258E+03	3.33005E-01	7.41132E-01	7.08841E-01	5.99253E-01	1.08690E+00	5.79964E-01	6.54953E-01	8.70729E-01
319	12	1.11758E+03	3.30324E-01	7.35025E-01	7.02693E-01	5.93929E-01	1.07711E+00	5.74668E-01	6.49047E-01	8.62807E-01
320	12	1.12258E+03	3.27639E-01	7.28911E-01	6.96533E-01	5.88593E-01	1.06730E+00	5.69358E-01	6.43128E-01	8.54865E-01
321	12	1.12758E+03	3.24949E-01	7.22788E-01	6.90357E-01	5.83242E-01	1.05747E+00	5.64031E-01	6.37192E-01	8.46899E-01
322	12	1.13258E+03	3.22253E-01	7.16652E-01	6.84163E-01	5.77874E-01	1.04759E+00	5.58683E-01	6.31236E-01	8.38904E-01
323	12	1.13758E+03	3.19548E-01	7.10501E-01	6.77946E-01	5.72485E-01	1.03768E+00	5.53313E-01	6.25256E-01	8.30875E-01
324	12	1.14258E+03	3.16834E-01	7.04330E-01	6.71703E-01	5.67071E-01	1.02773E+00	5.47915E-01	6.19248E-01	8.22808E-01

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0 TOTAL FLUX - G=GROUP NO. N= 40

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	9.44919E-01	5.23092E-03	1.43244E+01	1.73509E-01	1.88323E-01	7.24433E-03	2.69996E-04	7.33744E-03
2	1	1.00000E+00	9.45003E-01	5.23139E-03	1.43259E+01	1.73703E-01	1.88462E-01	7.26313E-03	2.70750E-04	7.33105E-03
3	1	2.67567E+00	9.45553E-01	5.23436E-03	1.44449E+01	1.75173E-01	1.91811E-01	7.39637E-03	2.77977E-04	7.34607E-03
4	1	5.02700E+00	9.46926E-01	5.24179E-03	1.47568E+01	1.78927E-01	2.00554E-01	7.73210E-03	2.96413E-04	7.40125E-03
5	1	7.37833E+00	9.49178E-01	5.25394E-03	1.52628E+01	1.85038E-01	2.15001E-01	8.28666E-03	3.27494E-04	7.50175E-03
6	1	9.72967E+00	9.52388E-01	5.27135E-03	1.59677E+01	1.93570E-01	2.35660E-01	9.08263E-03	3.73599E-04	7.65007E-03
7	1	1.20810E+01	9.56684E-01	5.29456E-03	1.68839E+01	2.04668E-01	2.63396E-01	1.01541E-02	4.38459E-04	7.85327E-03
8	1	1.44323E+01	9.62228E-01	5.32469E-03	1.80284E+01	2.18539E-01	2.99417E-01	1.15486E-02	5.27535E-04	8.12213E-03
9	1	1.67837E+01	9.69261E-01	5.36273E-03	1.94235E+01	2.35448E-01	3.45316E-01	1.33291E-02	6.48606E-04	8.47152E-03
10	1	1.91350E+01	9.78070E-01	5.41076E-03	2.10964E+01	2.55725E-01	4.03151E-01	1.55780E-02	8.12670E-04	8.92120E-03
11	1	2.14863E+01	9.89093E-01	5.47043E-03	2.30797E+01	2.79767E-01	4.75548E-01	1.84016E-02	1.03524E-03	9.49708E-03
12	1	2.38377E+01	1.00282E+00	5.54556E-03	2.54126E+01	3.08046E-01	5.65837E-01	2.19366E-02	1.33821E-03	1.02329E-02
13	1	2.61890E+01	1.02007E+00	5.63898E-03	2.81411E+01	3.41124E-01	6.78228E-01	2.63597E-02	1.75257E-03	1.11727E-02
14	1	2.85403E+01	1.04166E+00	5.75778E-03	3.13198E+01	3.79659E-01	8.18034E-01	3.19000E-02	2.32237E-03	1.23736E-02
15	1	3.08917E+01	1.06923E+00	5.90707E-03	3.50126E+01	4.24430E-01	9.91959E-01	3.88569E-02	3.11038E-03	1.39105E-02
16	1	3.32430E+01	1.10412E+00	6.10019E-03	3.92944E+01	4.76341E-01	1.20846E+00	4.76268E-02	4.20649E-03	1.58809E-02
17	1	3.55943E+01	1.14980E+00	6.34726E-03	4.42529E+01	5.36465E-01	1.47824E+00	5.87417E-02	5.73991E-03	1.84103E-02
18	1	3.79457E+01	1.20827E+00	6.67315E-03	4.99908E+01	6.06032E-01	1.81483E+00	7.29294E-02	7.89715E-03	2.16471E-02
19	1	4.02970E+01	1.28748E+00	7.10056E-03	5.66282E+01	6.86534E-01	2.23537E+00	9.12075E-02	1.09485E-02	2.58560E-02
20	1	4.26483E+01	1.38944E+00	7.67353E-03	6.43057E+01	7.79613E-01	2.76168E+00	1.15034E-01	1.52876E-02	3.12612E-02
21	1	4.49997E+01	1.53396E+00	8.45060E-03	7.31884E+01	8.87429E-01	3.42152E+00	1.46558E-01	2.14899E-02	3.83871E-02
22	1	4.73510E+01	1.71867E+00	9.49811E-03	8.34700E+01	1.01203E+00	4.25041E+00	1.89038E-01	3.04008E-02	4.78444E-02
23	1	4.97023E+01	1.99681E+00	1.09869E-02	9.53794E+01	1.15700E+00	5.29389E+00	2.47565E-01	4.32692E-02	6.02529E-02
24	1	5.20537E+01	2.34187E+00	1.29641E-02	1.09187E+02	1.32418E+00	6.61070E+00	3.30329E-01	6.19494E-02	7.67123E-02
25	1	5.44050E+01	2.90738E+00	1.59778E-02	1.25212E+02	1.52204E+00	8.27695E+00	4.50882E-01	8.92133E-02	9.87527E-02
26	1	5.67563E+01	3.56485E+00	1.97848E-02	1.43841E+02	1.74889E+00	1.03920E+01	6.32277E-01	1.29234E-01	1.28546E-01
27	1	5.91077E+01	4.78706E+00	2.63185E-02	1.65536E+02	2.03933E+00	1.30870E+01	9.14808E-01	1.88345E-01	1.69210E-01
28	1	6.14590E+01	6.07732E+00	3.38533E-02	1.90870E+02	2.38168E+00	1.65375E+01	1.37090E+00	2.76265E-01	2.25489E-01
29	1	6.38103E+01	9.11062E+00	5.21258E-02	2.20567E+02	3.00115E+00	2.09846E+01	2.13510E+00	4.08079E-01	3.05242E-01
30	1	6.61617E+01	1.31677E+01	9.47422E-02	2.55607E+02	4.03004E+00	2.67785E+01	3.46344E+00	6.07624E-01	4.23069E-01
31	1	6.85130E+01	3.07980E+01	6.97871E-01	2.97483E+02	7.63431E+00	3.44812E+01	5.85979E+00	9.13909E-01	6.10872E-01
32	1	7.08643E+01	1.21915E+02	1.24552E+01	3.48900E+02	2.01312E+01	4.51815E+01	1.05867E+01	1.40971E+00	9.41392E-01
33	1	7.27900E+01	4.19553E+02	8.90383E+01	3.99838E+02	5.53797E+01	5.70204E+01	1.81580E+01	2.04553E+00	1.41714E+00
34	1	7.37900E+01	8.35418E+02	2.45996E+02	4.30630E+02	1.02360E+02	6.48002E+01	2.49271E+01	2.51822E+00	1.80485E+00
0										
35	2	7.43575E+01	1.45080E+03	5.25669E+02	5.49180E+02	1.88590E+02	9.04535E+01	4.08653E+01	3.90241E+00	2.22253E+00
36	2	7.49925E+01	2.21715E+03	8.70366E+02	7.63716E+02	3.05529E+02	1.35203E+02	6.56804E+01	6.23466E+00	2.65141E+00
37	2	7.56275E+01	2.88961E+03	1.17064E+03	9.71433E+02	4.06988E+02	1.77536E+02	8.80831E+01	8.43308E+00	2.89332E+00
38	2	7.62625E+01	3.53398E+03	1.45889E+03	1.17783E+03	5.05358E+02	2.19614E+02	1.10471E+02	1.06993E+01	3.17485E+00
0										
39	3	7.68300E+01	3.85081E+03	1.60061E+03	1.28116E+03	5.54021E+02	2.40735E+02	1.21736E+02	1.18648E+01	3.37907E+00
40	3	7.73300E+01	3.85217E+03	1.60122E+03	1.28157E+03	5.54220E+02	2.40819E+02	1.21778E+02	1.18695E+01	3.43557E+00
41	3	7.78300E+01	3.85270E+03	1.60148E+03	1.28170E+03	5.54294E+02	2.40848E+02	1.21791E+02	1.18713E+01	3.49361E+00
0										
42	4	7.83300E+01	4.13935E+03	1.72909E+03	1.37696E+03	5.98613E+02	2.60346E+02	1.32286E+02	1.29687E+01	3.61017E+00

	43	4	7.88300E+01	4.70055E+03	1.97808E+03	1.56454E+03	6.85649E+02	2.98791E+02	1.53112E+02	1.51349E+01	3.62419E+00
	44	4	7.93300E+01	5.23170E+03	2.21173E+03	1.74367E+03	7.68628E+02	3.35769E+02	1.73487E+02	1.72495E+01	3.35030E+00
	45	4	7.98300E+01	5.72684E+03	2.42678E+03	1.91147E+03	8.46786E+02	3.70878E+02	1.93410E+02	1.93209E+01	2.80760E+00
0											
	46	5	8.03300E+01	6.13877E+03	2.60464E+03	2.05284E+03	9.13313E+02	4.01056E+02	2.11138E+02	2.11803E+01	2.14241E+00
	47	5	8.10800E+01	6.59780E+03	2.80823E+03	2.22079E+03	9.94086E+02	4.38998E+02	2.34688E+02	2.37955E+01	1.46066E+00
	48	5	8.20800E+01	7.08918E+03	3.03655E+03	2.41845E+03	1.09213E+03	4.87189E+02	2.66813E+02	2.76305E+01	9.33093E-01
	49	5	8.30800E+01	7.42460E+03	3.20836E+03	2.58224E+03	1.17860E+03	5.33216E+02	3.01671E+02	3.22864E+01	6.64175E-01
	50	5	8.40800E+01	7.61553E+03	3.32710E+03	2.71543E+03	1.25586E+03	5.79249E+02	3.42566E+02	3.85775E+01	4.97294E-01
	51	5	8.50800E+01	7.67943E+03	3.39890E+03	2.82380E+03	1.32747E+03	6.28684E+02	3.94643E+02	4.79534E+01	3.82268E-01
	52	5	8.60800E+01	7.63763E+03	3.43214E+03	2.91570E+03	1.39835E+03	6.86691E+02	4.65979E+02	6.32797E+01	2.99238E-01
	53	5	8.70800E+01	7.51387E+03	3.43715E+03	3.00220E+03	1.47503E+03	7.61079E+02	5.69143E+02	8.98251E+01	2.38594E-01
	54	5	8.80800E+01	7.33391E+03	3.42605E+03	3.09761E+03	1.56601E+03	8.63975E+02	7.24411E+02	1.38992E+02	1.95706E-01
	55	5	8.90800E+01	7.12534E+03	3.41311E+03	3.22118E+03	1.68287E+03	1.01549E+03	9.65324E+02	2.33959E+02	1.71193E-01
	56	5	8.98300E+01	6.96209E+03	3.41097E+03	3.34777E+03	1.79722E+03	1.17946E+03	1.23180E+03	3.58421E+02	1.66000E-01
0											
	57	6	9.03300E+01	6.90573E+03	3.41378E+03	3.40334E+03	1.84554E+03	1.25333E+03	1.35273E+03	4.20967E+02	1.68459E-01
	58	6	9.08300E+01	6.90447E+03	3.41396E+03	3.40487E+03	1.84679E+03	1.25530E+03	1.35582E+03	4.22498E+02	1.69368E-01
	59	6	9.20800E+01	6.90173E+03	3.41432E+03	3.40811E+03	1.84942E+03	1.25942E+03	1.36231E+03	4.25671E+02	1.71457E-01
	60	6	9.41425E+01	6.89776E+03	3.41480E+03	3.41259E+03	1.85306E+03	1.26512E+03	1.37125E+03	4.29984E+02	1.74529E-01
	61	6	9.62675E+01	6.89442E+03	3.41512E+03	3.41608E+03	1.85590E+03	1.26952E+03	1.37813E+03	4.33193E+02	1.77033E-01
	62	6	9.83925E+01	6.89162E+03	3.41531E+03	3.41869E+03	1.85803E+03	1.27278E+03	1.38322E+03	4.35450E+02	1.78946E-01
	63	6	1.00517E+02	6.88923E+03	3.41539E+03	3.42063E+03	1.85962E+03	1.27517E+03	1.38693E+03	4.36965E+02	1.80427E-01
	64	6	1.02642E+02	6.88713E+03	3.41537E+03	3.42201E+03	1.86077E+03	1.27685E+03	1.38952E+03	4.37865E+02	1.81594E-01
	65	6	1.04767E+02	6.88526E+03	3.41526E+03	3.42292E+03	1.86155E+03	1.27791E+03	1.39113E+03	4.38222E+02	1.82537E-01
	66	6	1.06892E+02	6.88357E+03	3.41505E+03	3.42338E+03	1.86199E+03	1.27840E+03	1.39185E+03	4.38068E+02	1.83336E-01
	67	6	1.09017E+02	6.88203E+03	3.41474E+03	3.42341E+03	1.86212E+03	1.27833E+03	1.39168E+03	4.37394E+02	1.84062E-01
	68	6	1.11142E+02	6.88060E+03	3.41433E+03	3.42299E+03	1.86190E+03	1.27767E+03	1.39058E+03	4.36160E+02	1.84794E-01
	69	6	1.13267E+02	6.87930E+03	3.41378E+03	3.42205E+03	1.86133E+03	1.27636E+03	1.38843E+03	4.34282E+02	1.85618E-01
	70	6	1.15392E+02	6.87810E+03	3.41309E+03	3.42053E+03	1.86033E+03	1.27426E+03	1.38504E+03	4.31631E+02	1.86637E-01
	71	6	1.17517E+02	6.87705E+03	3.41221E+03	3.41830E+03	1.85881E+03	1.27120E+03	1.38013E+03	4.28017E+02	1.87981E-01
	72	6	1.19080E+02	6.87636E+03	3.41146E+03	3.41620E+03	1.85736E+03	1.26835E+03	1.37554E+03	4.24745E+02	1.89205E-01
	73	6	1.19830E+02	6.87606E+03	3.41104E+03	3.41499E+03	1.85651E+03	1.26670E+03	1.37289E+03	4.22889E+02	1.89911E-01
0											
	74	7	1.20330E+02	6.85509E+03	3.41735E+03	3.45578E+03	1.88855E+03	1.32398E+03	1.46865E+03	4.85678E+02	1.72033E-01
0											
	75	8	1.20838E+02	6.82803E+03	3.42844E+03	3.51877E+03	1.93755E+03	1.41134E+03	1.61299E+03	5.78954E+02	1.13053E-01
	76	8	1.21355E+02	6.81261E+03	3.43591E+03	3.55972E+03	1.97019E+03	1.46747E+03	1.70412E+03	6.35038E+02	5.78017E-02
	77	8	1.21872E+02	6.79375E+03	3.44105E+03	3.59712E+03	2.00229E+03	1.51926E+03	1.78881E+03	6.85366E+02	3.62112E-02
	78	8	1.22388E+02	6.77275E+03	3.44465E+03	3.63230E+03	2.03441E+03	1.56842E+03	1.86954E+03	7.31907E+02	2.47646E-02
	79	8	1.22905E+02	6.75031E+03	3.44710E+03	3.66589E+03	2.06683E+03	1.61574E+03	1.94745E+03	7.75537E+02	1.78758E-02
	80	8	1.23422E+02	6.72687E+03	3.44866E+03	3.69824E+03	2.09971E+03	1.66163E+03	2.02304E+03	8.16635E+02	1.36884E-02
	81	8	1.23938E+02	6.70267E+03	3.44949E+03	3.72951E+03	2.13314E+03	1.70626E+03	2.09641E+03	8.55306E+02	1.13766E-02
	82	8	1.24455E+02	6.67811E+03	3.44969E+03	3.76002E+03	2.16729E+03	1.74986E+03	2.16804E+03	8.91685E+02	1.05532E-02
	83	8	1.24972E+02	6.65340E+03	3.44941E+03	3.78988E+03	2.20227E+03	1.79249E+03	2.23787E+03	9.25720E+02	1.11210E-02
	84	8	1.25488E+02	6.62894E+03	3.44884E+03	3.81931E+03	2.23824E+03	1.83425E+03	2.30591E+03	9.57364E+02	1.32592E-02
	85	8	1.26005E+02	6.60536E+03	3.44830E+03	3.84867E+03	2.27550E+03	1.87528E+03	2.37224E+03	9.86551E+02	1.75039E-02
	86	8	1.26522E+02	6.58390E+03	3.44838E+03	3.87868E+03	2.31457E+03	1.91584E+03	2.43699E+03	1.01319E+03	2.51079E-02
	87	8	1.27038E+02	6.56658E+03	3.45005E+03	3.91043E+03	2.35635E+03	1.95631E+03	2.50016E+03	1.03703E+03	3.95777E-02
	88	8	1.27555E+02	6.55983E+03	3.45623E+03	3.94755E+03	2.40333E+03	1.99799E+03	2.56334E+03	1.05816E+03	7.40120E-02
	89	8	1.28072E+02	6.57388E+03	3.47169E+03	3.99574E+03	2.45974E+03	2.04288E+03	2.62774E+03	1.07609E+03	1.91183E-01
0											
	90	9	1.28584E+02	6.59957E+03	3.49222E+03	4.06231E+03	2.54371E+03	2.10644E+03	2.73956E+03	1.12484E+03	2.91635E-01
	91	9	1.29092E+02	6.42179E+03	3.41286E+03	4.01020E+03	2.54766E+03	2.11370E+03	2.78556E+03	1.15425E+03	3.05797E-01
	92	9	1.29601E+02	5.96017E+03	3.19216E+03	3.77903E+03	2.41852E+03	2.01775E+03	2.67427E+03	1.10825E+03	3.15937E-01
	93	9	1.30109E+02	5.36541E+03	2.89983E+03	3.46061E+03	2.23011E+03	1.86788E+03	2.48278E+03	1.02676E+03	3.22557E-01
	94	9	1.30618E+02	4.70656E+03	2.56786E+03	3.08870E+03	2.00248E+03	1.68359E+03	2.24161E+03	9.26185E+02	3.25808E-01
	95	9	1.31126E+02	4.04313E+03	2.22639E+03	2.69890E+03	1.75998E+03	1.48478E+03	1.97988E+03	8.16927E+02	3.25730E-01
	96	9	1.31634E+02	3.41476E+03	1.89674E+03	2.31638E+03	1.51874E+03	1.28538E+03	1.71606E+03	7.07423E+02	3.22920E-01
	97	9	1.32143E+02	2.84505E+03	1.59281E+03	1.95861E+03	1.29065E+03	1.09556E+03	1.46434E+03	6.03031E+02	3.17934E-01

98	9	1.32651E+02	2.34497E+03	1.32204E+03	1.63582E+03	1.08286E+03	9.21664E+02	1.23315E+03	5.07430E+02	3.11275E-01
99	9	1.33159E+02	1.91665E+03	1.08712E+03	1.35259E+03	8.99017E+02	7.67031E+02	1.02722E+03	4.22360E+02	3.03382E-01
100	9	1.33667E+02	1.55667E+03	8.87458E+02	1.10947E+03	7.40042E+02	6.32732E+02	8.48045E+02	3.48482E+02	2.94625E-01
101	9	1.34176E+02	1.25849E+03	7.20489E+02	9.04388E+02	6.05072E+02	5.18275E+02	6.95128E+02	2.85487E+02	2.85313E-01
102	9	1.34684E+02	1.01428E+03	5.82619E+02	7.33770E+02	4.92157E+02	4.22202E+02	5.66606E+02	2.32606E+02	2.75692E-01
103	9	1.35193E+02	8.15948E+02	4.69895E+02	5.93371E+02	3.98796E+02	3.42538E+02	4.59917E+02	1.88740E+02	2.65958E-01
104	9	1.35701E+02	6.55899E+02	3.78419E+02	4.78820E+02	3.22314E+02	2.77116E+02	3.72220E+02	1.52712E+02	2.56258E-01
105	9	1.36209E+02	5.27323E+02	3.04602E+02	3.85970E+02	2.60111E+02	2.23800E+02	3.00692E+02	1.23342E+02	2.46731E-01
106	9	1.36717E+02	4.24343E+02	2.45272E+02	3.11072E+02	2.09797E+02	1.80601E+02	2.42700E+02	9.95422E+01	2.37454E-01
107	9	1.37226E+02	3.42007E+02	1.97711E+02	2.50862E+02	1.69261E+02	1.45749E+02	1.95890E+02	8.03373E+01	2.28451E-01
108	9	1.37734E+02	2.76225E+02	1.59640E+02	2.02563E+02	1.36689E+02	1.17716E+02	1.58221E+02	6.48885E+01	2.19760E-01
109	9	1.38243E+02	2.23658E+02	1.29180E+02	1.63861E+02	1.10557E+02	9.52075E+01	1.27967E+02	5.24817E+01	2.11417E-01
110	9	1.38751E+02	1.81614E+02	1.04801E+02	1.32855E+02	8.96037E+01	7.71493E+01	1.03689E+02	4.25286E+01	2.03432E-01
111	9	1.39259E+02	1.47931E+02	8.52647E+01	1.07995E+02	7.27958E+01	6.26587E+01	8.42040E+01	3.45392E+01	1.95795E-01
112	9	1.39768E+02	1.20883E+02	6.95798E+01	8.80325E+01	5.92959E+01	5.10178E+01	6.85503E+01	2.81237E+01	1.88501E-01
113	9	1.40276E+02	9.90983E+01	5.69525E+01	7.19635E+01	4.84289E+01	4.16464E+01	5.59466E+01	2.29541E+01	1.81545E-01
114	9	1.40784E+02	8.14850E+01	4.67496E+01	5.89844E+01	3.96526E+01	3.40779E+01	4.57687E+01	1.87854E+01	1.74916E-01
115	9	1.41292E+02	6.71741E+01	3.84662E+01	4.84518E+01	3.25312E+01	2.79346E+01	3.74982E+01	1.53894E+01	1.68602E-01
116	9	1.41801E+02	5.54702E+01	3.16976E+01	3.98491E+01	2.67142E+01	2.29135E+01	3.07359E+01	1.26262E+01	1.62583E-01
117	9	1.42309E+02	4.58201E+01	2.61210E+01	3.27599E+01	2.19107E+01	1.87507E+01	2.50660E+01	1.02911E+01	1.56844E-01
118	9	1.42818E+02	3.77440E+01	2.14571E+01	2.68273E+01	1.78822E+01	1.52377E+01	2.01963E+01	8.32008E+00	1.51379E-01
119	9	1.43326E+02	3.10026E+01	1.75560E+01	2.18052E+01	1.43601E+01	1.20232E+01	1.51486E+01	5.75122E+00	1.46172E-01
0										
120	10	1.43830E+02	2.63745E+01	1.48949E+01	1.83817E+01	1.19354E+01	9.79166E+00	1.15705E+01	3.77558E+00	1.06624E-01
121	10	1.44330E+02	2.31359E+01	1.30666E+01	1.61024E+01	1.04298E+01	8.51877E+00	1.00260E+01	3.24200E+00	5.53449E-02
0										
122	11	1.44830E+02	1.64910E+01	9.30244E+00	1.14332E+01	7.38370E+00	5.97452E+00	6.96812E+00	2.17752E+00	3.76546E-02
0										
123	12	1.45330E+02	1.14461E+01	6.44150E+00	7.88875E+00	5.07307E+00	4.05602E+00	4.66343E+00	1.37746E+00	3.41493E-02
124	12	1.46080E+02	1.13054E+01	6.36259E+00	7.79233E+00	5.01153E+00	4.00739E+00	4.60848E+00	1.36218E+00	3.38904E-02
125	12	1.47580E+02	1.10462E+01	6.21720E+00	7.61466E+00	4.89811E+00	3.91769E+00	4.50710E+00	1.33392E+00	3.33900E-02
126	12	1.50580E+02	1.05986E+01	5.96613E+00	7.30775E+00	4.70215E+00	3.76251E+00	4.33155E+00	1.28473E+00	3.24523E-02
127	12	1.55236E+02	1.00234E+01	5.64341E+00	6.91312E+00	4.45007E+00	3.56254E+00	4.10507E+00	1.22080E+00	3.11196E-02
128	12	1.60549E+02	9.49191E+00	5.34514E+00	6.54824E+00	4.21688E+00	3.37717E+00	3.89482E+00	1.16094E+00	2.97507E-02
129	12	1.65861E+02	9.05592E+00	5.10042E+00	6.24874E+00	4.02539E+00	3.22463E+00	3.72157E+00	1.11121E+00	2.85248E-02
130	12	1.71174E+02	8.68384E+00	4.89153E+00	5.99302E+00	3.86182E+00	3.09415E+00	3.57320E+00	1.06835E+00	2.74169E-02
131	12	1.76486E+02	8.35758E+00	4.70832E+00	5.76870E+00	3.71829E+00	2.97954E+00	3.44274E+00	1.03048E+00	2.64082E-02
132	12	1.81799E+02	8.06606E+00	4.54460E+00	5.56822E+00	3.58997E+00	2.87699E+00	3.32593E+00	9.96460E-01	2.54844E-02
133	12	1.87111E+02	7.80207E+00	4.39633E+00	5.38663E+00	3.47372E+00	2.78403E+00	3.21998E+00	9.65507E-01	2.46340E-02
134	12	1.92424E+02	7.56064E+00	4.26070E+00	5.22053E+00	3.36736E+00	2.69894E+00	3.12294E+00	9.37094E-01	2.38478E-02
135	12	1.97580E+02	7.34423E+00	4.13913E+00	5.07162E+00	3.27199E+00	2.62262E+00	3.03585E+00	9.11548E-01	2.31380E-02
136	12	2.02580E+02	7.14931E+00	4.02961E+00	4.93749E+00	3.18607E+00	2.55383E+00	2.95734E+00	8.88477E-01	2.24958E-02
137	12	2.07580E+02	6.96702E+00	3.92719E+00	4.81203E+00	3.10570E+00	2.48947E+00	2.88384E+00	8.66853E-01	2.18934E-02
138	12	2.12580E+02	6.79591E+00	3.83103E+00	4.69424E+00	3.03023E+00	2.42903E+00	2.81480E+00	8.46511E-01	2.13269E-02
139	12	2.17580E+02	6.63475E+00	3.74046E+00	4.58331E+00	2.95914E+00	2.37208E+00	2.74972E+00	8.27318E-01	2.07931E-02
140	12	2.22580E+02	6.48256E+00	3.65492E+00	4.47854E+00	2.89198E+00	2.31828E+00	2.68821E+00	8.09161E-01	2.02888E-02
141	12	2.27580E+02	6.33846E+00	3.57393E+00	4.37932E+00	2.82838E+00	2.26733E+00	2.62994E+00	7.91941E-01	1.98115E-02
142	12	2.32580E+02	6.20171E+00	3.49706E+00	4.28517E+00	2.76802E+00	2.21896E+00	2.57461E+00	7.75575E-01	1.93589E-02
143	12	2.37580E+02	6.07168E+00	3.42396E+00	4.19564E+00	2.71061E+00	2.17295E+00	2.52196E+00	7.59990E-01	1.89290E-02
144	12	2.42580E+02	5.94781E+00	3.35432E+00	4.11033E+00	2.65590E+00	2.12910E+00	2.47177E+00	7.45122E-01	1.85199E-02
145	12	2.47580E+02	5.82959E+00	3.28785E+00	4.02892E+00	2.60369E+00	2.08725E+00	2.42384E+00	7.30914E-01	1.81302E-02
146	12	2.52580E+02	5.71659E+00	3.22432E+00	3.95109E+00	2.55377E+00	2.04723E+00	2.37801E+00	7.17317E-01	1.77583E-02
147	12	2.57580E+02	5.60843E+00	3.16350E+00	3.87659E+00	2.50597E+00	2.00892E+00	2.33411E+00	7.04285E-01	1.74029E-02
148	12	2.62580E+02	5.50475E+00	3.10520E+00	3.80518E+00	2.46015E+00	1.97218E+00	2.29201E+00	6.91778E-01	1.70629E-02
149	12	2.67580E+02	5.40525E+00	3.04924E+00	3.73664E+00	2.41617E+00	1.93691E+00	2.25158E+00	6.79761E-01	1.67373E-02
150	12	2.72580E+02	5.30963E+00	2.99546E+00	3.67077E+00	2.37390E+00	1.90302E+00	2.21271E+00	6.68202E-01	1.64251E-02
151	12	2.77580E+02	5.21766E+00	2.94373E+00	3.60741E+00	2.33323E+00	1.87041E+00	2.17531E+00	6.57069E-01	1.61254E-02
152	12	2.82580E+02	5.12909E+00	2.89391E+00	3.54639E+00	2.29405E+00	1.83900E+00	2.13927E+00	6.46338E-01	1.58374E-02
153	12	2.87580E+02	5.04372E+00	2.84589E+00	3.48756E+00	2.25629E+00	1.80871E+00	2.10451E+00	6.35982E-01	1.55604E-02
154	12	2.92580E+02	4.96135E+00	2.79955E+00	3.43081E+00	2.21985E+00	1.77949E+00	2.07096E+00	6.25981E-01	1.52938E-02

155	12	2.97580E+02	4.88181E+00	2.75481E+00	3.37600E+00	2.18465E+00	1.75126E+00	2.03854E+00	6.16314E-01	1.50369E-02
156	12	3.02580E+02	4.80494E+00	2.71156E+00	3.32302E+00	2.15063E+00	1.72397E+00	2.00720E+00	6.06961E-01	1.47892E-02
157	12	3.07580E+02	4.73059E+00	2.66972E+00	3.27178E+00	2.11771E+00	1.69757E+00	1.97687E+00	5.97906E-01	1.45502E-02
158	12	3.12580E+02	4.65862E+00	2.62923E+00	3.22218E+00	2.08585E+00	1.67201E+00	1.94749E+00	5.89133E-01	1.43193E-02
159	12	3.17580E+02	4.58891E+00	2.59000E+00	3.17413E+00	2.05498E+00	1.64725E+00	1.91902E+00	5.80627E-01	1.40962E-02
160	12	3.22580E+02	4.52133E+00	2.55197E+00	3.12755E+00	2.02505E+00	1.62324E+00	1.89142E+00	5.72373E-01	1.38805E-02
161	12	3.27580E+02	4.45579E+00	2.51508E+00	3.08237E+00	1.99601E+00	1.59995E+00	1.86463E+00	5.64361E-01	1.36717E-02
162	12	3.32580E+02	4.39217E+00	2.47928E+00	3.03852E+00	1.96783E+00	1.57734E+00	1.83862E+00	5.56577E-01	1.34696E-02
163	12	3.37580E+02	4.33039E+00	2.44450E+00	2.99593E+00	1.94045E+00	1.55538E+00	1.81334E+00	5.49011E-01	1.32737E-02
164	12	3.42580E+02	4.27036E+00	2.41071E+00	2.95454E+00	1.91385E+00	1.53403E+00	1.78877E+00	5.41652E-01	1.30839E-02
165	12	3.47580E+02	4.21200E+00	2.37786E+00	2.91430E+00	1.88797E+00	1.51328E+00	1.76487E+00	5.34492E-01	1.28997E-02
166	12	3.52580E+02	4.15523E+00	2.34590E+00	2.87515E+00	1.86280E+00	1.49308E+00	1.74161E+00	5.27520E-01	1.27210E-02
167	12	3.57580E+02	4.09997E+00	2.31479E+00	2.83705E+00	1.83830E+00	1.47343E+00	1.71897E+00	5.20729E-01	1.25474E-02
168	12	3.62580E+02	4.04617E+00	2.28450E+00	2.79995E+00	1.81444E+00	1.45428E+00	1.69691E+00	5.14111E-01	1.23788E-02
169	12	3.67580E+02	3.99376E+00	2.25499E+00	2.76381E+00	1.79119E+00	1.43563E+00	1.67540E+00	5.07658E-01	1.22149E-02
170	12	3.72580E+02	3.94268E+00	2.22623E+00	2.72858E+00	1.76853E+00	1.41744E+00	1.65444E+00	5.01363E-01	1.20556E-02
171	12	3.77580E+02	3.89287E+00	2.19818E+00	2.69422E+00	1.74642E+00	1.39971E+00	1.63399E+00	4.95221E-01	1.19006E-02
172	12	3.82580E+02	3.84428E+00	2.17082E+00	2.66071E+00	1.72486E+00	1.38240E+00	1.61403E+00	4.89223E-01	1.17497E-02
173	12	3.87580E+02	3.79687E+00	2.14412E+00	2.62801E+00	1.70381E+00	1.36551E+00	1.59454E+00	4.83366E-01	1.16028E-02
174	12	3.92580E+02	3.75058E+00	2.11805E+00	2.59608E+00	1.68326E+00	1.34902E+00	1.57551E+00	4.77643E-01	1.14597E-02
175	12	3.97580E+02	3.70538E+00	2.09259E+00	2.56489E+00	1.66319E+00	1.33291E+00	1.55692E+00	4.72049E-01	1.13203E-02
176	12	4.02580E+02	3.66121E+00	2.06771E+00	2.53442E+00	1.64357E+00	1.31717E+00	1.53874E+00	4.66580E-01	1.11844E-02
177	12	4.07580E+02	3.61805E+00	2.04340E+00	2.50464E+00	1.62440E+00	1.30178E+00	1.52097E+00	4.61230E-01	1.10518E-02
178	12	4.12580E+02	3.57584E+00	2.01962E+00	2.47552E+00	1.60565E+00	1.28674E+00	1.50359E+00	4.55995E-01	1.09226E-02
179	12	4.17580E+02	3.53457E+00	1.99637E+00	2.44704E+00	1.58730E+00	1.27202E+00	1.48658E+00	4.50871E-01	1.07964E-02
180	12	4.22580E+02	3.49419E+00	1.97362E+00	2.41917E+00	1.56936E+00	1.25761E+00	1.46993E+00	4.45854E-01	1.06732E-02
181	12	4.27580E+02	3.45467E+00	1.95136E+00	2.39190E+00	1.55179E+00	1.24352E+00	1.45363E+00	4.40940E-01	1.05530E-02
182	12	4.32580E+02	3.41598E+00	1.92956E+00	2.36520E+00	1.53459E+00	1.22971E+00	1.43767E+00	4.36125E-01	1.04355E-02
183	12	4.37580E+02	3.37809E+00	1.90821E+00	2.33905E+00	1.51774E+00	1.21619E+00	1.42203E+00	4.31407E-01	1.03207E-02
184	12	4.42580E+02	3.34098E+00	1.88730E+00	2.31343E+00	1.50124E+00	1.20294E+00	1.40670E+00	4.26781E-01	1.02085E-02
185	12	4.47580E+02	3.30462E+00	1.86681E+00	2.28833E+00	1.48506E+00	1.18996E+00	1.39168E+00	4.22246E-01	1.00988E-02
186	12	4.52580E+02	3.26898E+00	1.84672E+00	2.26373E+00	1.46920E+00	1.17723E+00	1.37695E+00	4.17797E-01	9.99154E-03
187	12	4.57580E+02	3.23404E+00	1.82703E+00	2.23961E+00	1.45366E+00	1.16475E+00	1.36250E+00	4.13432E-01	9.88660E-03
188	12	4.62580E+02	3.19978E+00	1.80772E+00	2.21595E+00	1.43841E+00	1.15251E+00	1.34833E+00	4.09148E-01	9.78391E-03
189	12	4.67580E+02	3.16617E+00	1.78877E+00	2.19275E+00	1.42345E+00	1.14050E+00	1.33442E+00	4.04942E-01	9.68341E-03
190	12	4.72580E+02	3.13319E+00	1.77019E+00	2.16998E+00	1.40876E+00	1.12872E+00	1.32076E+00	4.00813E-01	9.58500E-03
191	12	4.77580E+02	3.10083E+00	1.75194E+00	2.14763E+00	1.39435E+00	1.11715E+00	1.30736E+00	3.96758E-01	9.48864E-03
192	12	4.82580E+02	3.06906E+00	1.73404E+00	2.12570E+00	1.38021E+00	1.10580E+00	1.29419E+00	3.92774E-01	9.39425E-03
193	12	4.87580E+02	3.03787E+00	1.71645E+00	2.10416E+00	1.36631E+00	1.09464E+00	1.28126E+00	3.88860E-01	9.30178E-03
194	12	4.92580E+02	3.00724E+00	1.69918E+00	2.08300E+00	1.35266E+00	1.08369E+00	1.26856E+00	3.85012E-01	9.21115E-03
195	12	4.97580E+02	2.97715E+00	1.68222E+00	2.06222E+00	1.33926E+00	1.07292E+00	1.25607E+00	3.81230E-01	9.12232E-03
196	12	5.02580E+02	2.94759E+00	1.66555E+00	2.04180E+00	1.32608E+00	1.06235E+00	1.24380E+00	3.77512E-01	9.03522E-03
197	12	5.07580E+02	2.91854E+00	1.64916E+00	2.02173E+00	1.31313E+00	1.05195E+00	1.23173E+00	3.73854E-01	8.94981E-03
198	12	5.12580E+02	2.88998E+00	1.63306E+00	2.00200E+00	1.30040E+00	1.04173E+00	1.21987E+00	3.70257E-01	8.86604E-03
199	12	5.17580E+02	2.86190E+00	1.61723E+00	1.98260E+00	1.28788E+00	1.03168E+00	1.20820E+00	3.66717E-01	8.78385E-03
200	12	5.22580E+02	2.83430E+00	1.60166E+00	1.96353E+00	1.27556E+00	1.02179E+00	1.19672E+00	3.63234E-01	8.70320E-03
201	12	5.27580E+02	2.80714E+00	1.58634E+00	1.94477E+00	1.26345E+00	1.01207E+00	1.18542E+00	3.59806E-01	8.62404E-03
202	12	5.32580E+02	2.78043E+00	1.57128E+00	1.92631E+00	1.25153E+00	1.00250E+00	1.17431E+00	3.56431E-01	8.54634E-03
203	12	5.37580E+02	2.75415E+00	1.55645E+00	1.90815E+00	1.23980E+00	9.93084E-01	1.16336E+00	3.53107E-01	8.47005E-03
204	12	5.42580E+02	2.72828E+00	1.54186E+00	1.89027E+00	1.22826E+00	9.83816E-01	1.15259E+00	3.49834E-01	8.39512E-03
205	12	5.47580E+02	2.70282E+00	1.52750E+00	1.87268E+00	1.21689E+00	9.74692E-01	1.14198E+00	3.46611E-01	8.32153E-03
206	12	5.52580E+02	2.67776E+00	1.51336E+00	1.85535E+00	1.20570E+00	9.65708E-01	1.13153E+00	3.43435E-01	8.24923E-03
207	12	5.57580E+02	2.65308E+00	1.49944E+00	1.83830E+00	1.19468E+00	9.56860E-01	1.12124E+00	3.40305E-01	8.17819E-03
208	12	5.62580E+02	2.62878E+00	1.48573E+00	1.82150E+00	1.18383E+00	9.48144E-01	1.11110E+00	3.37221E-01	8.10838E-03
209	12	5.67580E+02	2.60484E+00	1.47222E+00	1.80495E+00	1.17313E+00	9.39558E-01	1.10111E+00	3.34182E-01	8.03976E-03
210	12	5.72580E+02	2.58126E+00	1.45891E+00	1.78864E+00	1.16260E+00	9.31099E-01	1.09126E+00	3.31185E-01	7.97230E-03
211	12	5.77580E+02	2.55802E+00	1.44580E+00	1.77258E+00	1.15221E+00	9.22761E-01	1.08155E+00	3.28230E-01	7.90597E-03
212	12	5.82580E+02	2.53513E+00	1.43288E+00	1.75675E+00	1.14198E+00	9.14544E-01	1.07198E+00	3.25315E-01	7.84074E-03
213	12	5.87580E+02	2.51256E+00	1.42014E+00	1.74114E+00	1.13189E+00	9.06443E-01	1.06254E+00	3.22441E-01	7.77658E-03
214	12	5.92580E+02	2.49031E+00	1.40759E+00	1.72575E+00	1.12194E+00	8.98456E-01	1.05324E+00	3.19606E-01	7.71347E-03

215	12	5.97580E+02	2.46837E+00	1.39521E+00	1.71058E+00	1.11213E+00	8.90579E-01	1.04406E+00	3.16808E-01	7.65137E-03
216	12	6.02580E+02	2.44674E+00	1.38300E+00	1.69562E+00	1.10246E+00	8.82811E-01	1.03500E+00	3.14048E-01	7.59027E-03
217	12	6.07580E+02	2.42541E+00	1.37096E+00	1.68087E+00	1.09291E+00	8.75148E-01	1.02607E+00	3.11323E-01	7.53013E-03
218	12	6.12580E+02	2.40437E+00	1.35908E+00	1.66632E+00	1.08350E+00	8.67588E-01	1.01725E+00	3.08634E-01	7.47094E-03
219	12	6.17580E+02	2.38362E+00	1.34736E+00	1.65196E+00	1.07421E+00	8.60129E-01	1.00855E+00	3.05980E-01	7.41266E-03
220	12	6.22580E+02	2.36314E+00	1.33580E+00	1.63779E+00	1.06504E+00	8.52768E-01	9.99965E-01	3.03358E-01	7.35529E-03
221	12	6.27580E+02	2.34293E+00	1.32439E+00	1.62381E+00	1.05599E+00	8.45502E-01	9.91487E-01	3.00770E-01	7.29879E-03
222	12	6.32580E+02	2.32298E+00	1.31313E+00	1.61001E+00	1.04706E+00	8.38330E-01	9.83116E-01	2.98214E-01	7.24314E-03
223	12	6.37580E+02	2.30329E+00	1.30202E+00	1.59638E+00	1.03824E+00	8.31250E-01	9.74849E-01	2.95689E-01	7.18833E-03
224	12	6.42580E+02	2.28386E+00	1.29104E+00	1.58293E+00	1.02954E+00	8.24258E-01	9.66685E-01	2.93194E-01	7.13433E-03
225	12	6.47580E+02	2.26467E+00	1.28021E+00	1.56965E+00	1.02094E+00	8.17354E-01	9.58621E-01	2.90730E-01	7.08113E-03
226	12	6.52580E+02	2.24572E+00	1.26951E+00	1.55654E+00	1.01245E+00	8.10536E-01	9.50655E-01	2.88295E-01	7.02871E-03
227	12	6.57580E+02	2.22701E+00	1.25894E+00	1.54359E+00	1.00406E+00	8.03800E-01	9.42785E-01	2.85888E-01	6.97704E-03
228	12	6.62580E+02	2.20852E+00	1.24850E+00	1.53079E+00	9.95773E-01	7.97146E-01	9.35008E-01	2.83509E-01	6.92612E-03
229	12	6.67580E+02	2.19027E+00	1.23819E+00	1.51815E+00	9.87586E-01	7.90572E-01	9.27322E-01	2.81158E-01	6.87592E-03
230	12	6.72580E+02	2.17223E+00	1.22800E+00	1.50566E+00	9.79496E-01	7.84076E-01	9.19726E-01	2.78833E-01	6.82643E-03
231	12	6.77580E+02	2.15440E+00	1.21793E+00	1.49332E+00	9.71501E-01	7.77656E-01	9.12217E-01	2.76534E-01	6.77764E-03
232	12	6.82580E+02	2.13679E+00	1.20798E+00	1.48113E+00	9.63599E-01	7.71310E-01	9.04794E-01	2.74261E-01	6.72952E-03
233	12	6.87580E+02	2.11938E+00	1.19815E+00	1.46907E+00	9.55788E-01	7.65037E-01	8.97454E-01	2.72013E-01	6.68207E-03
234	12	6.92580E+02	2.10218E+00	1.18843E+00	1.45716E+00	9.48065E-01	7.58835E-01	8.90196E-01	2.69790E-01	6.63526E-03
235	12	6.97580E+02	2.08517E+00	1.17882E+00	1.44538E+00	9.40429E-01	7.52704E-01	8.83018E-01	2.67590E-01	6.58909E-03
236	12	7.02580E+02	2.06835E+00	1.16932E+00	1.43373E+00	9.32879E-01	7.46640E-01	8.75919E-01	2.65414E-01	6.54354E-03
237	12	7.07580E+02	2.05172E+00	1.15992E+00	1.42221E+00	9.25412E-01	7.40644E-01	8.68896E-01	2.63261E-01	6.49859E-03
238	12	7.12580E+02	2.03528E+00	1.15063E+00	1.41082E+00	9.18026E-01	7.34712E-01	8.61949E-01	2.61130E-01	6.45424E-03
239	12	7.17580E+02	2.01902E+00	1.14144E+00	1.39955E+00	9.10720E-01	7.28845E-01	8.55075E-01	2.59021E-01	6.41047E-03
240	12	7.22580E+02	2.00293E+00	1.13235E+00	1.38841E+00	9.03492E-01	7.23041E-01	8.48272E-01	2.56934E-01	6.36728E-03
241	12	7.27580E+02	1.98702E+00	1.12336E+00	1.37738E+00	8.96341E-01	7.17297E-01	8.41541E-01	2.54868E-01	6.32463E-03
242	12	7.32580E+02	1.97128E+00	1.11447E+00	1.36648E+00	8.89264E-01	7.11614E-01	8.34878E-01	2.52823E-01	6.28254E-03
243	12	7.37580E+02	1.95570E+00	1.10566E+00	1.35568E+00	8.82261E-01	7.05990E-01	8.28283E-01	2.50798E-01	6.24098E-03
244	12	7.42580E+02	1.94029E+00	1.09695E+00	1.34500E+00	8.75330E-01	7.00424E-01	8.21754E-01	2.48792E-01	6.19995E-03
245	12	7.47580E+02	1.92503E+00	1.08833E+00	1.33443E+00	8.68469E-01	6.94914E-01	8.15290E-01	2.46806E-01	6.15943E-03
246	12	7.52580E+02	1.90994E+00	1.07979E+00	1.32396E+00	8.61677E-01	6.89459E-01	8.08890E-01	2.44840E-01	6.11941E-03
247	12	7.57580E+02	1.89499E+00	1.07135E+00	1.31360E+00	8.54953E-01	6.84059E-01	8.02551E-01	2.42891E-01	6.07989E-03
248	12	7.62580E+02	1.88020E+00	1.06298E+00	1.30335E+00	8.48294E-01	6.78712E-01	7.96274E-01	2.40961E-01	6.04085E-03
249	12	7.67580E+02	1.86555E+00	1.05470E+00	1.29319E+00	8.41701E-01	6.73417E-01	7.90057E-01	2.39049E-01	6.00228E-03
250	12	7.72580E+02	1.85105E+00	1.04650E+00	1.28313E+00	8.35171E-01	6.68172E-01	7.83898E-01	2.37155E-01	5.96418E-03
251	12	7.77580E+02	1.83668E+00	1.03838E+00	1.27317E+00	8.28703E-01	6.62978E-01	7.77796E-01	2.35277E-01	5.92654E-03
252	12	7.82580E+02	1.82246E+00	1.03034E+00	1.26331E+00	8.22296E-01	6.57833E-01	7.71751E-01	2.33417E-01	5.88934E-03
253	12	7.87580E+02	1.80837E+00	1.02237E+00	1.25354E+00	8.15949E-01	6.52735E-01	7.65761E-01	2.31573E-01	5.85258E-03
254	12	7.92580E+02	1.79442E+00	1.01448E+00	1.24386E+00	8.09661E-01	6.47685E-01	7.59825E-01	2.29745E-01	5.81625E-03
255	12	7.97580E+02	1.78059E+00	1.00667E+00	1.23427E+00	8.03430E-01	6.42681E-01	7.53941E-01	2.27933E-01	5.78034E-03
256	12	8.02580E+02	1.76689E+00	9.98919E-01	1.22477E+00	7.97255E-01	6.37722E-01	7.48110E-01	2.26136E-01	5.74484E-03
257	12	8.07580E+02	1.75332E+00	9.91244E-01	1.21535E+00	7.91135E-01	6.32807E-01	7.42329E-01	2.24355E-01	5.70976E-03
258	12	8.12580E+02	1.73987E+00	9.83637E-01	1.20602E+00	7.85070E-01	6.27936E-01	7.36599E-01	2.22589E-01	5.67507E-03
259	12	8.17580E+02	1.72654E+00	9.76098E-01	1.19677E+00	7.79057E-01	6.23107E-01	7.30917E-01	2.20837E-01	5.64077E-03
260	12	8.22580E+02	1.71333E+00	9.68625E-01	1.18760E+00	7.73097E-01	6.18320E-01	7.25283E-01	2.19099E-01	5.60685E-03
261	12	8.27580E+02	1.70024E+00	9.61218E-01	1.17851E+00	7.67187E-01	6.13574E-01	7.19696E-01	2.17376E-01	5.57332E-03
262	12	8.32580E+02	1.68725E+00	9.53874E-01	1.16950E+00	7.61327E-01	6.08868E-01	7.14154E-01	2.15667E-01	5.54015E-03
263	12	8.37580E+02	1.67438E+00	9.46592E-01	1.16057E+00	7.55517E-01	6.04201E-01	7.08658E-01	2.13971E-01	5.50734E-03
264	12	8.42580E+02	1.66162E+00	9.39372E-01	1.15171E+00	7.49754E-01	5.99573E-01	7.03206E-01	2.12288E-01	5.47490E-03
265	12	8.47580E+02	1.64896E+00	9.32212E-01	1.14292E+00	7.44038E-01	5.94982E-01	6.97798E-01	2.10618E-01	5.44280E-03
266	12	8.52580E+02	1.63641E+00	9.25110E-01	1.13421E+00	7.38368E-01	5.90429E-01	6.92432E-01	2.08961E-01	5.41104E-03
267	12	8.57580E+02	1.62396E+00	9.18067E-01	1.12556E+00	7.32743E-01	5.85911E-01	6.87107E-01	2.07316E-01	5.37963E-03
268	12	8.62580E+02	1.61162E+00	9.11079E-01	1.11699E+00	7.27162E-01	5.81429E-01	6.81823E-01	2.05683E-01	5.34854E-03
269	12	8.67580E+02	1.59937E+00	9.04147E-01	1.10848E+00	7.21624E-01	5.76982E-01	6.76579E-01	2.04063E-01	5.31779E-03
270	12	8.72580E+02	1.58721E+00	8.97270E-01	1.10004E+00	7.16129E-01	5.72569E-01	6.71374E-01	2.02454E-01	5.28735E-03
271	12	8.77580E+02	1.57515E+00	8.90445E-01	1.09166E+00	7.10676E-01	5.68189E-01	6.66207E-01	2.00856E-01	5.25722E-03
272	12	8.82580E+02	1.56319E+00	8.83673E-01	1.08335E+00	7.05263E-01	5.63842E-01	6.61077E-01	1.99270E-01	5.22741E-03
273	12	8.87580E+02	1.55131E+00	8.76951E-01	1.07510E+00	6.99890E-01	5.59527E-01	6.55985E-01	1.97695E-01	5.19790E-03
274	12	8.92580E+02	1.53953E+00	8.70280E-01	1.06691E+00	6.94556E-01	5.55243E-01	6.50928E-01	1.96130E-01	5.16869E-03

275	12	8.97580E+02	1.52783E+00	8.63657E-01	1.05878E+00	6.89260E-01	5.50990E-01	6.45906E-01	1.94576E-01	5.13977E-03
276	12	9.02580E+02	1.51621E+00	8.57082E-01	1.05070E+00	6.84001E-01	5.46767E-01	6.40919E-01	1.93032E-01	5.11114E-03
277	12	9.07580E+02	1.50468E+00	8.50554E-01	1.04269E+00	6.78779E-01	5.42573E-01	6.35965E-01	1.91498E-01	5.08279E-03
278	12	9.12580E+02	1.49323E+00	8.44072E-01	1.03473E+00	6.73593E-01	5.38408E-01	6.31044E-01	1.89974E-01	5.05472E-03
279	12	9.17580E+02	1.48186E+00	8.37635E-01	1.02683E+00	6.68441E-01	5.34271E-01	6.26155E-01	1.88459E-01	5.02693E-03
280	12	9.22580E+02	1.47057E+00	8.31241E-01	1.01897E+00	6.63324E-01	5.30161E-01	6.21298E-01	1.86954E-01	4.99940E-03
281	12	9.27580E+02	1.45935E+00	8.24890E-01	1.01118E+00	6.58240E-01	5.26079E-01	6.16471E-01	1.85458E-01	4.97214E-03
282	12	9.32580E+02	1.44821E+00	8.18581E-01	1.00343E+00	6.53189E-01	5.22022E-01	6.11674E-01	1.83971E-01	4.94514E-03
283	12	9.37580E+02	1.43714E+00	8.12313E-01	9.95731E-01	6.48169E-01	5.17991E-01	6.06906E-01	1.82493E-01	4.91840E-03
284	12	9.42580E+02	1.42614E+00	8.06085E-01	9.88082E-01	6.43180E-01	5.13985E-01	6.02167E-01	1.81023E-01	4.89190E-03
285	12	9.47580E+02	1.41521E+00	7.99895E-01	9.80480E-01	6.38222E-01	5.10003E-01	5.97455E-01	1.79561E-01	4.86565E-03
286	12	9.52580E+02	1.40435E+00	7.93743E-01	9.72924E-01	6.33292E-01	5.06044E-01	5.92770E-01	1.78107E-01	4.83965E-03
287	12	9.57580E+02	1.39355E+00	7.87629E-01	9.65413E-01	6.28392E-01	5.02109E-01	5.88111E-01	1.76661E-01	4.81389E-03
288	12	9.62580E+02	1.38282E+00	7.81550E-01	9.57946E-01	6.23519E-01	4.98196E-01	5.83478E-01	1.75223E-01	4.78836E-03
289	12	9.67580E+02	1.37215E+00	7.75505E-01	9.50522E-01	6.18674E-01	4.94305E-01	5.78870E-01	1.73791E-01	4.76306E-03
290	12	9.72580E+02	1.36154E+00	7.69495E-01	9.43138E-01	6.13854E-01	4.90434E-01	5.74285E-01	1.72367E-01	4.73798E-03
291	12	9.77580E+02	1.35099E+00	7.63518E-01	9.35795E-01	6.09060E-01	4.86585E-01	5.69724E-01	1.70950E-01	4.71313E-03
292	12	9.82580E+02	1.34049E+00	7.57572E-01	9.28491E-01	6.04291E-01	4.82755E-01	5.65185E-01	1.69540E-01	4.68850E-03
293	12	9.87580E+02	1.33005E+00	7.51658E-01	9.21224E-01	5.99545E-01	4.78944E-01	5.60668E-01	1.68135E-01	4.66409E-03
294	12	9.92580E+02	1.31966E+00	7.45773E-01	9.13993E-01	5.94822E-01	4.75152E-01	5.56171E-01	1.66737E-01	4.63988E-03
295	12	9.97580E+02	1.30933E+00	7.39916E-01	9.06798E-01	5.90122E-01	4.71377E-01	5.51695E-01	1.65345E-01	4.61589E-03
296	12	1.00258E+03	1.29904E+00	7.34088E-01	8.99636E-01	5.85442E-01	4.67619E-01	5.47238E-01	1.63958E-01	4.59210E-03
297	12	1.00758E+03	1.28880E+00	7.28286E-01	8.92506E-01	5.80783E-01	4.63878E-01	5.42799E-01	1.62577E-01	4.56851E-03
298	12	1.01258E+03	1.27861E+00	7.22509E-01	8.85407E-01	5.76143E-01	4.60153E-01	5.38378E-01	1.61200E-01	4.54512E-03
299	12	1.01758E+03	1.26846E+00	7.16756E-01	8.78338E-01	5.71522E-01	4.56442E-01	5.33973E-01	1.59829E-01	4.52192E-03
300	12	1.02258E+03	1.25835E+00	7.11027E-01	8.71296E-01	5.66918E-01	4.52745E-01	5.29584E-01	1.58462E-01	4.49891E-03
301	12	1.02758E+03	1.24828E+00	7.05319E-01	8.64281E-01	5.62331E-01	4.49062E-01	5.25209E-01	1.57099E-01	4.47609E-03
302	12	1.03258E+03	1.23825E+00	6.99632E-01	8.57291E-01	5.57759E-01	4.45391E-01	5.20849E-01	1.55740E-01	4.45345E-03
303	12	1.03758E+03	1.22825E+00	6.93964E-01	8.50325E-01	5.53202E-01	4.41732E-01	5.16501E-01	1.54385E-01	4.43099E-03
304	12	1.04258E+03	1.21828E+00	6.88314E-01	8.43380E-01	5.48658E-01	4.38084E-01	5.12165E-01	1.53033E-01	4.40871E-03
305	12	1.04758E+03	1.20834E+00	6.82681E-01	8.36455E-01	5.44127E-01	4.34445E-01	5.07840E-01	1.51684E-01	4.38660E-03
306	12	1.05258E+03	1.19843E+00	6.77062E-01	8.29548E-01	5.39606E-01	4.30816E-01	5.03524E-01	1.50337E-01	4.36467E-03
307	12	1.05758E+03	1.18855E+00	6.71458E-01	8.22658E-01	5.35095E-01	4.27194E-01	4.99216E-01	1.48993E-01	4.34289E-03
308	12	1.06258E+03	1.17869E+00	6.65865E-01	8.15782E-01	5.30593E-01	4.23580E-01	4.94916E-01	1.47650E-01	4.32128E-03
309	12	1.06758E+03	1.16884E+00	6.60282E-01	8.08918E-01	5.26098E-01	4.19971E-01	4.90621E-01	1.46308E-01	4.29984E-03
310	12	1.07258E+03	1.15901E+00	6.54708E-01	8.02065E-01	5.21608E-01	4.16366E-01	4.86331E-01	1.44968E-01	4.27854E-03
311	12	1.07758E+03	1.14920E+00	6.49141E-01	7.95220E-01	5.17123E-01	4.12766E-01	4.82043E-01	1.43628E-01	4.25740E-03
312	12	1.08258E+03	1.13939E+00	6.43579E-01	7.88381E-01	5.12641E-01	4.09168E-01	4.77758E-01	1.42288E-01	4.23641E-03
313	12	1.08758E+03	1.12959E+00	6.38020E-01	7.81545E-01	5.08160E-01	4.05570E-01	4.73472E-01	1.40948E-01	4.21557E-03
314	12	1.09258E+03	1.11979E+00	6.32462E-01	7.74710E-01	5.03679E-01	4.01973E-01	4.69184E-01	1.39606E-01	4.19486E-03
315	12	1.09758E+03	1.10999E+00	6.26902E-01	7.67873E-01	4.99195E-01	3.98373E-01	4.64893E-01	1.38263E-01	4.17430E-03
316	12	1.10258E+03	1.10018E+00	6.21339E-01	7.61031E-01	4.94706E-01	3.94770E-01	4.60597E-01	1.36917E-01	4.15387E-03
317	12	1.10758E+03	1.09037E+00	6.15770E-01	7.54181E-01	4.90212E-01	3.91162E-01	4.56293E-01	1.35569E-01	4.13357E-03
318	12	1.11258E+03	1.08054E+00	6.10192E-01	7.47320E-01	4.85709E-01	3.87548E-01	4.51980E-01	1.34217E-01	4.11341E-03
319	12	1.11758E+03	1.07069E+00	6.04603E-01	7.40445E-01	4.81195E-01	3.83925E-01	4.47656E-01	1.32861E-01	4.09336E-03
320	12	1.12258E+03	1.06081E+00	5.98999E-01	7.33552E-01	4.76668E-01	3.80291E-01	4.43317E-01	1.31500E-01	4.07344E-03
321	12	1.12758E+03	1.05091E+00	5.93378E-01	7.26637E-01	4.72125E-01	3.76645E-01	4.38962E-01	1.30133E-01	4.05363E-03
322	12	1.13258E+03	1.04097E+00	5.87736E-01	7.19696E-01	4.67564E-01	3.72984E-01	4.34588E-01	1.28760E-01	4.03393E-03
323	12	1.13758E+03	1.03099E+00	5.82070E-01	7.12725E-01	4.62982E-01	3.69307E-01	4.30193E-01	1.27378E-01	4.01434E-03
324	12	1.14258E+03	1.02096E+00	5.76376E-01	7.05719E-01	4.58375E-01	3.65609E-01	4.25772E-01	1.25989E-01	3.99486E-03

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0 TOTAL FLUX - G=GROUP NO. N= 48

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	2.05627E+01	8.46310E+01	3.27548E+02	5.81509E+02	3.40765E+03	3.55400E+04	2.71970E+06	5.78722E+08
2	1	1.00000E+00	2.05588E+01	8.46230E+01	3.27544E+02	5.81504E+02	3.40764E+03	3.55402E+04	2.71971E+06	5.78723E+08
3	1	2.67567E+00	2.05676E+01	8.46320E+01	3.27509E+02	5.81428E+02	3.40690E+03	3.55379E+04	2.71967E+06	5.78719E+08
4	1	5.02700E+00	2.06000E+01	8.46746E+01	3.27421E+02	5.81238E+02	3.40498E+03	3.55315E+04	2.71954E+06	5.78705E+08
5	1	7.37833E+00	2.06587E+01	8.47557E+01	3.27283E+02	5.80940E+02	3.40191E+03	3.55210E+04	2.71932E+06	5.78680E+08
6	1	9.72967E+00	2.07445E+01	8.48768E+01	3.27097E+02	5.80537E+02	3.39774E+03	3.55066E+04	2.71900E+06	5.78644E+08
7	1	1.20810E+01	2.08609E+01	8.50436E+01	3.26866E+02	5.80033E+02	3.39247E+03	3.54881E+04	2.71858E+06	5.78596E+08

8	1	1.44323E+01	2.10130E+01	8.52648E+01	3.26594E+02	5.79430E+02	3.38610E+03	3.54653E+04	2.71804E+06	5.78533E+08
9	1	1.67837E+01	2.12080E+01	8.55527E+01	3.26283E+02	5.78735E+02	3.37866E+03	3.54382E+04	2.71736E+06	5.78452E+08
10	1	1.91350E+01	2.14553E+01	8.59233E+01	3.25939E+02	5.77952E+02	3.37014E+03	3.54064E+04	2.71652E+06	5.78349E+08
11	1	2.14863E+01	2.17673E+01	8.63971E+01	3.25567E+02	5.77089E+02	3.36057E+03	3.53695E+04	2.71549E+06	5.78220E+08
12	1	2.38377E+01	2.21599E+01	8.70006E+01	3.25176E+02	5.76156E+02	3.34994E+03	3.53272E+04	2.71422E+06	5.78057E+08
13	1	2.61890E+01	2.26534E+01	8.77675E+01	3.24776E+02	5.75164E+02	3.33828E+03	3.52789E+04	2.71268E+06	5.77852E+08
14	1	2.85403E+01	2.32744E+01	8.87411E+01	3.24378E+02	5.74129E+02	3.32559E+03	3.52238E+04	2.71078E+06	5.77594E+08
15	1	3.08917E+01	2.40568E+01	8.99766E+01	3.23999E+02	5.73068E+02	3.31189E+03	3.51610E+04	2.70845E+06	5.77269E+08
16	1	3.32430E+01	2.50447E+01	9.15450E+01	3.23660E+02	5.72005E+02	3.29717E+03	3.50894E+04	2.70558E+06	5.76858E+08
17	1	3.55943E+01	2.62958E+01	9.35379E+01	3.23389E+02	5.70970E+02	3.28144E+03	3.50074E+04	2.70205E+06	5.76337E+08
18	1	3.79457E+01	2.78852E+01	9.60740E+01	3.23221E+02	5.70000E+02	3.26469E+03	3.49131E+04	2.69767E+06	5.75674E+08
19	1	4.02970E+01	2.99119E+01	9.93081E+01	3.23201E+02	5.69144E+02	3.24689E+03	3.48040E+04	2.69223E+06	5.74828E+08
20	1	4.26483E+01	3.25068E+01	1.03443E+02	3.23390E+02	5.68461E+02	3.22799E+03	3.46767E+04	2.68543E+06	5.73744E+08
21	1	4.49997E+01	3.58419E+01	1.08746E+02	3.23869E+02	5.68031E+02	3.20794E+03	3.45270E+04	2.67690E+06	5.72347E+08
22	1	4.73510E+01	4.01390E+01	1.15572E+02	3.24740E+02	5.67954E+02	3.18660E+03	3.43492E+04	2.66612E+06	5.70538E+08
23	1	4.97023E+01	4.56563E+01	1.24395E+02	3.26146E+02	5.68365E+02	3.16380E+03	3.41357E+04	2.65243E+06	5.68182E+08
24	1	5.20537E+01	5.29536E+01	1.35842E+02	3.28272E+02	5.69438E+02	3.13928E+03	3.38765E+04	2.63493E+06	5.65094E+08
25	1	5.44050E+01	6.26561E+01	1.50730E+02	3.31374E+02	5.71403E+02	3.11264E+03	3.35580E+04	2.61240E+06	5.61017E+08
26	1	5.67563E+01	7.54859E+01	1.70022E+02	3.35802E+02	5.74577E+02	3.08333E+03	3.31613E+04	2.58315E+06	5.55590E+08
27	1	5.91077E+01	9.26837E+01	1.96027E+02	3.42051E+02	5.79397E+02	3.05048E+03	3.26602E+04	2.54482E+06	5.48297E+08
28	1	6.14590E+01	1.16034E+02	2.31397E+02	3.50837E+02	5.86489E+02	3.01283E+03	3.20165E+04	2.49396E+06	5.38381E+08
29	1	6.38103E+01	1.48412E+02	2.79563E+02	3.63258E+02	5.96801E+02	2.96832E+03	3.11714E+04	2.42532E+06	5.24678E+08
30	1	6.61617E+01	1.94792E+02	3.47548E+02	3.81195E+02	6.11947E+02	2.91327E+03	3.00241E+04	2.32993E+06	5.05222E+08
31	1	6.85130E+01	2.64897E+02	4.49650E+02	4.08461E+02	6.35132E+02	2.83935E+03	2.83673E+04	2.18948E+06	4.76000E+08
32	1	7.08643E+01	3.81763E+02	6.19074E+02	4.54874E+02	6.74202E+02	2.71701E+03	2.56366E+04	1.95405E+06	4.25438E+08
33	1	7.27900E+01	5.39822E+02	8.47128E+02	5.17554E+02	7.25818E+02	2.53710E+03	2.19614E+04	1.63415E+06	3.54126E+08
34	1	7.37900E+01	6.62181E+02	1.02314E+03	5.65079E+02	7.64370E+02	2.38540E+03	1.91348E+04	1.38718E+06	2.97443E+08
0										
35	2	7.43575E+01	8.10205E+02	1.23588E+03	6.20591E+02	8.06870E+02	2.17523E+03	1.55245E+04	1.06284E+06	2.20901E+08
36	2	7.49925E+01	1.00008E+03	1.49639E+03	6.89188E+02	8.57620E+02	1.92354E+03	1.12587E+04	6.87187E+05	1.34528E+08
37	2	7.56275E+01	1.16306E+03	1.66971E+03	7.34957E+02	8.90131E+02	1.76910E+03	8.73711E+03	4.80869E+05	9.05665E+07
38	2	7.62625E+01	1.36558E+03	1.78790E+03	7.61630E+02	9.07664E+02	1.65696E+03	7.08474E+03	3.53157E+05	6.43642E+07
0										
39	3	7.68300E+01	1.49745E+03	1.83778E+03	7.71295E+02	9.14631E+02	1.60685E+03	6.38843E+03	3.00899E+05	5.38682E+07
40	3	7.73300E+01	1.52171E+03	1.84158E+03	7.73410E+02	9.18417E+02	1.60724E+03	6.35079E+03	2.97926E+05	5.33462E+07
41	3	7.78300E+01	1.54681E+03	1.84523E+03	7.75618E+02	9.22445E+02	1.60808E+03	6.31522E+03	2.95041E+05	5.28383E+07
0										
42	4	7.83300E+01	1.63735E+03	1.87368E+03	7.79199E+02	9.23387E+02	1.57422E+03	5.89968E+03	2.65034E+05	4.69139E+07
43	4	7.88300E+01	1.71678E+03	1.92214E+03	7.82159E+02	9.14947E+02	1.50644E+03	5.17389E+03	2.14111E+05	3.69041E+07
44	4	7.93300E+01	1.65001E+03	1.96298E+03	7.80113E+02	8.91798E+02	1.43594E+03	4.56408E+03	1.74057E+05	2.91945E+07
45	4	7.98300E+01	1.42677E+03	2.00208E+03	7.71139E+02	8.47582E+02	1.35250E+03	4.02260E+03	1.42120E+05	2.31977E+07
0										
46	5	8.03300E+01	1.11579E+03	2.03818E+03	7.57094E+02	7.90563E+02	1.26232E+03	3.54632E+03	1.16893E+05	1.85806E+07
47	5	8.10800E+01	7.92012E+02	2.06601E+03	7.35867E+02	7.25991E+02	1.15576E+03	3.00515E+03	8.94241E+04	1.37108E+07
48	5	8.20800E+01	5.50320E+02	2.07260E+03	7.09400E+02	6.68208E+02	1.04898E+03	2.45453E+03	6.19020E+04	8.97968E+06
49	5	8.30800E+01	4.34640E+02	2.05124E+03	6.83047E+02	6.29167E+02	9.69046E+02	2.06021E+03	4.33175E+04	5.94016E+06
50	5	8.40800E+01	3.65538E+02	2.01033E+03	6.54877E+02	5.96354E+02	9.01520E+02	1.76312E+03	3.06150E+04	3.95877E+06
51	5	8.50800E+01	3.18066E+02	1.95349E+03	6.24131E+02	5.65469E+02	8.40352E+02	1.53088E+03	2.18438E+04	2.65707E+06
52	5	8.60800E+01	2.82848E+02	1.88258E+03	5.90453E+02	5.34696E+02	7.82341E+02	1.34292E+03	1.57335E+04	1.79306E+06
53	5	8.70800E+01	2.55600E+02	1.79639E+03	5.53004E+02	5.02565E+02	7.24783E+02	1.18452E+03	1.14380E+04	1.21620E+06
54	5	8.80800E+01	2.34023E+02	1.68383E+03	5.08708E+02	4.66044E+02	6.63016E+02	1.04208E+03	8.38828E+03	8.28518E+05
55	5	8.90800E+01	2.16502E+02	1.49732E+03	4.46901E+02	4.16057E+02	5.84151E+02	8.94504E+02	6.19345E+03	5.66140E+05
56	5	8.98300E+01	2.04862E+02	1.26964E+03	3.81122E+02	3.63106E+02	5.04253E+02	7.65665E+02	4.90262E+03	4.21849E+05
0										
57	6	9.03300E+01	2.01023E+02	1.15632E+03	3.50733E+02	3.38554E+02	4.68114E+02	7.12158E+02	4.52297E+03	3.82020E+05
58	6	9.08300E+01	2.00770E+02	1.14286E+03	3.46957E+02	3.35308E+02	4.63539E+02	7.05900E+02	4.49784E+03	3.79905E+05
59	6	9.20800E+01	2.00386E+02	1.11411E+03	3.38884E+02	3.28409E+02	4.53776E+02	6.92438E+02	4.43794E+03	3.74803E+05
60	6	9.41425E+01	2.00125E+02	1.07347E+03	3.27479E+02	3.18733E+02	4.40022E+02	6.73309E+02	4.34368E+03	3.66641E+05
61	6	9.62675E+01	2.00392E+02	1.04062E+03	3.18279E+02	3.11044E+02	4.28997E+02	6.57743E+02	4.25333E+03	3.58612E+05
62	6	9.83925E+01	2.01142E+02	1.01460E+03	3.11023E+02	3.05111E+02	4.20393E+02	6.45402E+02	4.16908E+03	3.50941E+05

63	6	1.00517E+02	2.02350E+02	9.93762E+02	3.05262E+02	3.00548E+02	4.13674E+02	6.35603E+02	4.09024E+03	3.43584E+05
64	6	1.02642E+02	2.04027E+02	9.77078E+02	3.00717E+02	2.97120E+02	4.08511E+02	6.27936E+02	4.01631E+03	3.36488E+05
65	6	1.04767E+02	2.06216E+02	9.63923E+02	2.97222E+02	2.94697E+02	4.04723E+02	6.22173E+02	3.94691E+03	3.29603E+05
66	6	1.06892E+02	2.08993E+02	9.53965E+02	2.94699E+02	2.93229E+02	4.02231E+02	6.18230E+02	3.88177E+03	3.22814E+05
67	6	1.09017E+02	2.12473E+02	9.47098E+02	2.93134E+02	2.92731E+02	4.01048E+02	6.16142E+02	3.82075E+03	3.15953E+05
68	6	1.11142E+02	2.16817E+02	9.43420E+02	2.92577E+02	2.93282E+02	4.01269E+02	6.16059E+02	3.76386E+03	3.09306E+05
69	6	1.13267E+02	2.22244E+02	9.43223E+02	2.93139E+02	2.95025E+02	4.03075E+02	6.18252E+02	3.71125E+03	3.03058E+05
70	6	1.15392E+02	2.29048E+02	9.47016E+02	2.95000E+02	2.98177E+02	4.06748E+02	6.23132E+02	3.66331E+03	2.97015E+05
71	6	1.17517E+02	2.37618E+02	9.55556E+02	2.98421E+02	3.03049E+02	4.12688E+02	6.31285E+02	3.62067E+03	2.91139E+05
72	6	1.19080E+02	2.45061E+02	9.64781E+02	3.01910E+02	3.07713E+02	4.18477E+02	6.39334E+02	3.59252E+03	2.86914E+05
73	6	1.19830E+02	2.49167E+02	9.70550E+02	3.04029E+02	3.10448E+02	4.21907E+02	6.44140E+02	3.58044E+03	2.84931E+05
0										
74	7	1.20330E+02	2.30943E+02	8.86764E+02	2.80863E+02	2.88505E+02	3.91653E+02	5.98074E+02	3.31101E+03	2.59243E+05
0										
75	8	1.20838E+02	1.50671E+02	6.07675E+02	1.99205E+02	2.07092E+02	2.85013E+02	4.43094E+02	2.63886E+03	2.05659E+05
76	8	1.21355E+02	7.00501E+01	3.34589E+02	1.15675E+02	1.22071E+02	1.74053E+02	2.82098E+02	1.96279E+03	1.53555E+05
77	8	1.21872E+02	4.08636E+01	2.12047E+02	7.56913E+01	8.08423E+01	1.17835E+02	1.96492E+02	1.49773E+03	1.15124E+05
78	8	1.22388E+02	2.64297E+01	1.42950E+02	5.25586E+01	5.69580E+01	8.43891E+01	1.43693E+02	1.15813E+03	8.64363E+04
79	8	1.22905E+02	1.78047E+01	9.89209E+01	3.75033E+01	4.13328E+01	6.21749E+01	1.07710E+02	9.03079E+02	6.49411E+04
80	8	1.23422E+02	1.22094E+01	6.93225E+01	2.71254E+01	3.04457E+01	4.65023E+01	8.17965E+01	7.09158E+02	4.88128E+04
81	8	1.23938E+02	8.45838E+00	4.89724E+01	1.97737E+01	2.26205E+01	3.51153E+01	6.26107E+01	5.61050E+02	3.67036E+04
82	8	1.24455E+02	5.90597E+00	3.48104E+01	1.45022E+01	1.69119E+01	2.67273E+01	4.82027E+01	4.47973E+02	2.76079E+04
83	8	1.24972E+02	4.15455E+00	2.48861E+01	1.06980E+01	1.27113E+01	2.05127E+01	3.72961E+01	3.62133E+02	2.07733E+04
84	8	1.25488E+02	2.94725E+00	1.78964E+01	7.93505E+00	9.60192E+00	1.59086E+01	2.89977E+01	2.97937E+02	1.56362E+04
85	8	1.26005E+02	2.11410E+00	1.29676E+01	5.92540E+00	7.29019E+00	1.25256E+01	2.26601E+01	2.51751E+02	1.17740E+04
86	8	1.26522E+02	1.54460E+00	9.49961E+00	4.46856E+00	5.56497E+00	1.01102E+01	1.78114E+01	2.22245E+02	8.87035E+03
87	8	1.27038E+02	1.17168E+00	7.10969E+00	3.43024E+00	4.27472E+00	8.55550E+00	1.41078E+01	2.11993E+02	6.68456E+03
88	8	1.27555E+02	9.77952E-01	5.61978E+00	2.74559E+00	3.31040E+00	8.01347E+00	1.13076E+01	2.34210E+02	5.04405E+03
89	8	1.28072E+02	1.08284E+00	5.28810E+00	2.48147E+00	2.58248E+00	9.42865E+00	9.22262E+00	3.41232E+02	3.80835E+03
0										
90	9	1.28584E+02	1.25268E+00	5.53302E+00	2.48141E+00	2.24804E+00	1.10164E+01	8.27655E+00	4.39605E+02	3.23074E+03
91	9	1.29092E+02	1.28457E+00	5.61156E+00	2.49985E+00	2.21138E+00	1.13485E+01	8.15532E+00	4.61915E+02	3.13956E+03
92	9	1.29601E+02	1.30556E+00	5.65386E+00	2.50641E+00	2.17586E+00	1.15713E+01	8.03123E+00	4.76510E+02	3.05125E+03
93	9	1.30109E+02	1.31698E+00	5.66425E+00	2.50269E+00	2.14110E+00	1.16941E+01	7.90313E+00	4.83842E+02	2.96569E+03
94	9	1.30618E+02	1.31934E+00	5.64449E+00	2.48931E+00	2.10705E+00	1.17198E+01	7.77040E+00	4.84236E+02	2.88274E+03
95	9	1.31126E+02	1.31275E+00	5.59544E+00	2.46641E+00	2.07365E+00	1.16588E+01	7.63397E+00	4.78808E+02	2.80228E+03
96	9	1.31634E+02	1.29883E+00	5.52251E+00	2.43572E+00	2.04084E+00	1.15265E+01	7.49483E+00	4.68789E+02	2.72419E+03
97	9	1.32143E+02	1.27912E+00	5.43088E+00	2.39887E+00	2.00857E+00	1.13378E+01	7.35392E+00	4.55296E+02	2.64835E+03
98	9	1.32651E+02	1.25499E+00	5.32518E+00	2.35731E+00	1.97680E+00	1.11064E+01	7.21214E+00	4.39317E+02	2.57467E+03
99	9	1.33159E+02	1.22765E+00	5.20942E+00	2.31233E+00	1.94550E+00	1.08437E+01	7.07030E+00	4.21693E+02	2.50306E+03
100	9	1.33667E+02	1.19810E+00	5.08700E+00	2.26501E+00	1.91464E+00	1.05591E+01	6.92909E+00	4.03116E+02	2.43344E+03
101	9	1.34176E+02	1.16718E+00	4.96071E+00	2.21624E+00	1.88421E+00	1.02606E+01	6.78908E+00	3.84138E+02	2.36575E+03
102	9	1.34684E+02	1.13556E+00	4.83276E+00	2.16675E+00	1.85421E+00	9.95508E+00	6.65076E+00	3.65215E+02	2.29991E+03
103	9	1.35193E+02	1.10377E+00	4.70516E+00	2.11711E+00	1.82462E+00	9.64774E+00	6.51448E+00	3.46660E+02	2.23589E+03
104	9	1.35701E+02	1.07228E+00	4.57916E+00	2.06775E+00	1.79546E+00	9.34157E+00	6.38055E+00	3.28676E+02	2.17361E+03
105	9	1.36209E+02	1.04137E+00	4.45558E+00	2.01902E+00	1.76671E+00	9.03896E+00	6.24918E+00	3.11418E+02	2.11304E+03
106	9	1.36717E+02	1.01118E+00	4.33510E+00	1.97115E+00	1.73838E+00	8.74201E+00	6.12051E+00	2.94965E+02	2.05414E+03
107	9	1.37226E+02	9.81878E-01	4.21804E+00	1.92432E+00	1.71048E+00	8.45216E+00	5.99465E+00	2.79373E+02	1.99685E+03
108	9	1.37734E+02	9.53563E-01	4.10470E+00	1.87863E+00	1.68300E+00	8.17038E+00	5.87164E+00	2.64661E+02	1.94117E+03
109	9	1.38243E+02	9.26246E-01	3.99524E+00	1.83417E+00	1.65596E+00	7.89728E+00	5.75152E+00	2.50828E+02	1.88697E+03
110	9	1.38751E+02	8.99952E-01	3.88972E+00	1.79097E+00	1.62935E+00	7.63315E+00	5.63430E+00	2.37852E+02	1.83429E+03
111	9	1.39259E+02	8.74682E-01	3.78814E+00	1.74903E+00	1.60317E+00	7.37808E+00	5.51995E+00	2.25702E+02	1.78308E+03
112	9	1.39768E+02	8.50420E-01	3.69042E+00	1.70835E+00	1.57742E+00	7.13199E+00	5.40846E+00	2.14338E+02	1.73330E+03
113	9	1.40276E+02	8.27187E-01	3.59644E+00	1.66890E+00	1.55227E+00	6.89465E+00	5.29978E+00	2.03714E+02	1.68493E+03
114	9	1.40784E+02	8.05050E-01	3.50607E+00	1.63065E+00	1.52772E+00	6.66579E+00	5.19387E+00	1.93786E+02	1.63789E+03
115	9	1.41292E+02	7.84118E-01	3.41955E+00	1.59356E+00	1.50361E+00	6.44504E+00	5.09069E+00	1.84504E+02	1.59224E+03
116	9	1.41801E+02	7.64272E-01	3.33725E+00	1.55758E+00	1.47995E+00	6.23200E+00	4.99017E+00	1.75825E+02	1.54791E+03
117	9	1.42309E+02	7.45298E-01	3.25865E+00	1.52267E+00	1.45672E+00	6.02625E+00	4.89227E+00	1.67704E+02	1.50481E+03
118	9	1.42818E+02	7.27153E-01	3.18318E+00	1.48888E+00	1.43393E+00	5.82732E+00	4.79695E+00	1.60099E+02	1.46292E+03
119	9	1.43326E+02	7.09794E-01	3.11066E+00	1.45641E+00	1.41158E+00	5.63477E+00	4.70457E+00	1.52973E+02	1.42216E+03

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120	10	1.43830E+02	5.98343E-01	2.63682E+00	1.24505E+00	1.26215E+00	4.61877E+00	4.19095E+00	1.23441E+02	1.23401E+03
121	10	1.44330E+02	5.13427E-01	2.10110E+00	9.66220E-01	1.06036E+00	3.24142E+00	3.45114E+00	8.26502E+01	9.38738E+02
0										
122	11	1.44830E+02	5.13053E-01	1.91063E+00	8.36997E-01	9.50619E-01	2.59412E+00	3.00980E+00	6.16391E+01	7.45823E+02
0										
123	12	1.45330E+02	4.91959E-01	1.81018E+00	7.88516E-01	9.01334E-01	2.39580E+00	2.83153E+00	5.51922E+01	6.79177E+02
124	12	1.46080E+02	4.84264E-01	1.78870E+00	7.80884E-01	8.92731E-01	2.37499E+00	2.80670E+00	5.47707E+01	6.75696E+02
125	12	1.47580E+02	4.70445E-01	1.74894E+00	7.66578E-01	8.76678E-01	2.33549E+00	2.75982E+00	5.39594E+01	6.68852E+02
126	12	1.50580E+02	4.47148E-01	1.67969E+00	7.41076E-01	8.48087E-01	2.26358E+00	2.67519E+00	5.24465E+01	6.55617E+02
127	12	1.55236E+02	4.17814E-01	1.58963E+00	7.06879E-01	8.09779E-01	2.16468E+00	2.55985E+00	5.03066E+01	6.35972E+02
128	12	1.60549E+02	3.91392E-01	1.50521E+00	6.73681E-01	7.72606E-01	2.06615E+00	2.44589E+00	4.81150E+01	6.14714E+02
129	12	1.65861E+02	3.70264E-01	1.43498E+00	6.45173E-01	7.40675E-01	1.97978E+00	2.34650E+00	4.61525E+01	5.94689E+02
130	12	1.71174E+02	3.52588E-01	1.37439E+00	6.20003E-01	7.12457E-01	1.90257E+00	2.25779E+00	4.43750E+01	5.75854E+02
131	12	1.76486E+02	3.37325E-01	1.32080E+00	5.97366E-01	6.87049E-01	1.83262E+00	2.17739E+00	4.27518E+01	5.58133E+02
132	12	1.81799E+02	3.23849E-01	1.27260E+00	5.76751E-01	6.63879E-01	1.76863E+00	2.10375E+00	4.12595E+01	5.41440E+02
133	12	1.87111E+02	3.11761E-01	1.22871E+00	5.57806E-01	6.42559E-01	1.70971E+00	2.03578E+00	3.98804E+01	5.25699E+02
134	12	1.92424E+02	3.00792E-01	1.18841E+00	5.40279E-01	6.22809E-01	1.65516E+00	1.97269E+00	3.86008E+01	5.10837E+02
135	12	1.97580E+02	2.91023E-01	1.15217E+00	5.24428E-01	6.04926E-01	1.60578E+00	1.91548E+00	3.74418E+01	4.97177E+02
136	12	2.02580E+02	2.82273E-01	1.11945E+00	5.10048E-01	5.88683E-01	1.56100E+00	1.86346E+00	3.63894E+01	4.84618E+02
137	12	2.07580E+02	2.74130E-01	1.08879E+00	4.96522E-01	5.73391E-01	1.51890E+00	1.81445E+00	3.53996E+01	4.72676E+02
138	12	2.12580E+02	2.66520E-01	1.05997E+00	4.83767E-01	5.58954E-01	1.47922E+00	1.76816E+00	3.44666E+01	4.61306E+02
139	12	2.17580E+02	2.59383E-01	1.03280E+00	4.71709E-01	5.45295E-01	1.44172E+00	1.72434E+00	3.35848E+01	4.50469E+02
140	12	2.22580E+02	2.52670E-01	1.00712E+00	4.60286E-01	5.32344E-01	1.40623E+00	1.68279E+00	3.27502E+01	4.40128E+02
141	12	2.27580E+02	2.46338E-01	9.82808E-01	4.49444E-01	5.20041E-01	1.37256E+00	1.64330E+00	3.19588E+01	4.30250E+02
142	12	2.32580E+02	2.40351E-01	9.59734E-01	4.39135E-01	5.08335E-01	1.34057E+00	1.60573E+00	3.12067E+01	4.20804E+02
143	12	2.37580E+02	2.34678E-01	9.37799E-01	4.29318E-01	4.97180E-01	1.31014E+00	1.56992E+00	3.04912E+01	4.11762E+02
144	12	2.42580E+02	2.29292E-01	9.16912E-01	4.19956E-01	4.86534E-01	1.28113E+00	1.53575E+00	2.98093E+01	4.03098E+02
145	12	2.47580E+02	2.24169E-01	8.96994E-01	4.11015E-01	4.76361E-01	1.25344E+00	1.50309E+00	2.91589E+01	3.94790E+02
146	12	2.52580E+02	2.19289E-01	8.77971E-01	4.02466E-01	4.66628E-01	1.22699E+00	1.47185E+00	2.85375E+01	3.86815E+02
147	12	2.57580E+02	2.14634E-01	8.59781E-01	3.94281E-01	4.57304E-01	1.20168E+00	1.44192E+00	2.79430E+01	3.79155E+02
148	12	2.62580E+02	2.10185E-01	8.42367E-01	3.86437E-01	4.48364E-01	1.17743E+00	1.41323E+00	2.73737E+01	3.71789E+02
149	12	2.67580E+02	2.05929E-01	8.25675E-01	3.78911E-01	4.39782E-01	1.15418E+00	1.38569E+00	2.68279E+01	3.64702E+02
150	12	2.72580E+02	2.01853E-01	8.09659E-01	3.71684E-01	4.31536E-01	1.13188E+00	1.35924E+00	2.63042E+01	3.57878E+02
151	12	2.77580E+02	1.97944E-01	7.94277E-01	3.64736E-01	4.23607E-01	1.11044E+00	1.33380E+00	2.58011E+01	3.51303E+02
152	12	2.82580E+02	1.94192E-01	7.79489E-01	3.58052E-01	4.15974E-01	1.08982E+00	1.30932E+00	2.53175E+01	3.44963E+02
153	12	2.87580E+02	1.90586E-01	7.65259E-01	3.51616E-01	4.08622E-01	1.06998E+00	1.28573E+00	2.48521E+01	3.38845E+02
154	12	2.92580E+02	1.87118E-01	7.51555E-01	3.45413E-01	4.01533E-01	1.05087E+00	1.26300E+00	2.44039E+01	3.32938E+02
155	12	2.97580E+02	1.83779E-01	7.38347E-01	3.39431E-01	3.94695E-01	1.03245E+00	1.24107E+00	2.39719E+01	3.27232E+02
156	12	3.02580E+02	1.80562E-01	7.25607E-01	3.33658E-01	3.88092E-01	1.01467E+00	1.21990E+00	2.35552E+01	3.21715E+02
157	12	3.07580E+02	1.77459E-01	7.13310E-01	3.28083E-01	3.81714E-01	9.97510E-01	1.19944E+00	2.31531E+01	3.16378E+02
158	12	3.12580E+02	1.74465E-01	7.01431E-01	3.22694E-01	3.75547E-01	9.80935E-01	1.17966E+00	2.27646E+01	3.11213E+02
159	12	3.17580E+02	1.71574E-01	6.89949E-01	3.17484E-01	3.69582E-01	9.64914E-01	1.16055E+00	2.23892E+01	3.06213E+02
160	12	3.22580E+02	1.68780E-01	6.78844E-01	3.12442E-01	3.63807E-01	9.49421E-01	1.14207E+00	2.20261E+01	3.01368E+02
161	12	3.27580E+02	1.66078E-01	6.68096E-01	3.07560E-01	3.58215E-01	9.34417E-01	1.12416E+00	2.16747E+01	2.96672E+02
162	12	3.32580E+02	1.63463E-01	6.57689E-01	3.02831E-01	3.52796E-01	9.19884E-01	1.10681E+00	2.13345E+01	2.92119E+02
163	12	3.37580E+02	1.60931E-01	6.47605E-01	2.98247E-01	3.47542E-01	9.05807E-01	1.08998E+00	2.10049E+01	2.87701E+02
164	12	3.42580E+02	1.58478E-01	6.37830E-01	2.93802E-01	3.42446E-01	8.92161E-01	1.07365E+00	2.06854E+01	2.83414E+02
165	12	3.47580E+02	1.56100E-01	6.28348E-01	2.89489E-01	3.37500E-01	8.78926E-01	1.05782E+00	2.03755E+01	2.79250E+02
166	12	3.52580E+02	1.53794E-01	6.19147E-01	2.85302E-01	3.32697E-01	8.66084E-01	1.04247E+00	2.00748E+01	2.75205E+02
167	12	3.57580E+02	1.51556E-01	6.10214E-01	2.81236E-01	3.28031E-01	8.53609E-01	1.02754E+00	1.97829E+01	2.71274E+02
168	12	3.62580E+02	1.49383E-01	6.01537E-01	2.77286E-01	3.23497E-01	8.41488E-01	1.01304E+00	1.94994E+01	2.67453E+02
169	12	3.67580E+02	1.47273E-01	5.93105E-01	2.73445E-01	3.19088E-01	8.29714E-01	9.98927E-01	1.92240E+01	2.63735E+02
170	12	3.72580E+02	1.45222E-01	5.84907E-01	2.69711E-01	3.14800E-01	8.18267E-01	9.85224E-01	1.89562E+01	2.60117E+02
171	12	3.77580E+02	1.43228E-01	5.76934E-01	2.66078E-01	3.10627E-01	8.07134E-01	9.71899E-01	1.86958E+01	2.56596E+02
172	12	3.82580E+02	1.41288E-01	5.69176E-01	2.62542E-01	3.06565E-01	7.96302E-01	9.58912E-01	1.84424E+01	2.53168E+02
173	12	3.87580E+02	1.39401E-01	5.61624E-01	2.59099E-01	3.02609E-01	7.85760E-01	9.46261E-01	1.81958E+01	2.49830E+02
174	12	3.92580E+02	1.37564E-01	5.54270E-01	2.55746E-01	2.98755E-01	7.75488E-01	9.33956E-01	1.79557E+01	2.46576E+02
175	12	3.97580E+02	1.35775E-01	5.47107E-01	2.52479E-01	2.94999E-01	7.65480E-01	9.21969E-01	1.77218E+01	2.43404E+02
176	12	4.02580E+02	1.34033E-01	5.40127E-01	2.49295E-01	2.91337E-01	7.55731E-01	9.10268E-01	1.74939E+01	2.40313E+02

177	12	4.07580E+02	1.32334E-01	5.33322E-01	2.46190E-01	2.87766E-01	7.46228E-01	8.98874E-01	1.72718E+01	2.37296E+02
178	12	4.12580E+02	1.30678E-01	5.26687E-01	2.43162E-01	2.84283E-01	7.36961E-01	8.87764E-01	1.70552E+01	2.34352E+02
179	12	4.17580E+02	1.29064E-01	5.20214E-01	2.40208E-01	2.80883E-01	7.27921E-01	8.76907E-01	1.68439E+01	2.31483E+02
180	12	4.22580E+02	1.27489E-01	5.13898E-01	2.37324E-01	2.77564E-01	7.19101E-01	8.66323E-01	1.66377E+01	2.28680E+02
181	12	4.27580E+02	1.25952E-01	5.07734E-01	2.34509E-01	2.74324E-01	7.10493E-01	8.55993E-01	1.64364E+01	2.25941E+02
182	12	4.32580E+02	1.24451E-01	5.01715E-01	2.31760E-01	2.71159E-01	7.02089E-01	8.45906E-01	1.62399E+01	2.23266E+02
183	12	4.37580E+02	1.22986E-01	4.95836E-01	2.29075E-01	2.68066E-01	6.93876E-01	8.36056E-01	1.60481E+01	2.20652E+02
184	12	4.42580E+02	1.21555E-01	4.90093E-01	2.26451E-01	2.65044E-01	6.85851E-01	8.26415E-01	1.58608E+01	2.18098E+02
185	12	4.47580E+02	1.20157E-01	4.84480E-01	2.23887E-01	2.62090E-01	6.78012E-01	8.17004E-01	1.56777E+01	2.15600E+02
186	12	4.52580E+02	1.18790E-01	4.78994E-01	2.21379E-01	2.59201E-01	6.70349E-01	8.07803E-01	1.54987E+01	2.13158E+02
187	12	4.57580E+02	1.17454E-01	4.73630E-01	2.18928E-01	2.56375E-01	6.62857E-01	7.98806E-01	1.53237E+01	2.10769E+02
188	12	4.62580E+02	1.16148E-01	4.68384E-01	2.16529E-01	2.53610E-01	6.55530E-01	7.90006E-01	1.51525E+01	2.08432E+02
189	12	4.67580E+02	1.14870E-01	4.63252E-01	2.14183E-01	2.50905E-01	6.48362E-01	7.81397E-01	1.49851E+01	2.06145E+02
190	12	4.72580E+02	1.13620E-01	4.58231E-01	2.11887E-01	2.48257E-01	6.41350E-01	7.72971E-01	1.48212E+01	2.03906E+02
191	12	4.77580E+02	1.12397E-01	4.53316E-01	2.09639E-01	2.45664E-01	6.34487E-01	7.64723E-01	1.46610E+01	2.01715E+02
192	12	4.82580E+02	1.11199E-01	4.48505E-01	2.07438E-01	2.43125E-01	6.27764E-01	7.56648E-01	1.45042E+01	1.99568E+02
193	12	4.87580E+02	1.10027E-01	4.43793E-01	2.05282E-01	2.40638E-01	6.21180E-01	7.48738E-01	1.43505E+01	1.97466E+02
194	12	4.92580E+02	1.08879E-01	4.39179E-01	2.03171E-01	2.38201E-01	6.14734E-01	7.40989E-01	1.42000E+01	1.95407E+02
195	12	4.97580E+02	1.07754E-01	4.34659E-01	2.01103E-01	2.35813E-01	6.08419E-01	7.33394E-01	1.40525E+01	1.93389E+02
196	12	5.02580E+02	1.06653E-01	4.30230E-01	1.99075E-01	2.33473E-01	6.02232E-01	7.25949E-01	1.39082E+01	1.91411E+02
197	12	5.07580E+02	1.05573E-01	4.25889E-01	1.97088E-01	2.31178E-01	5.96168E-01	7.18648E-01	1.37668E+01	1.89472E+02
198	12	5.12580E+02	1.04515E-01	4.21634E-01	1.95140E-01	2.28928E-01	5.90223E-01	7.11499E-01	1.36280E+01	1.87571E+02
199	12	5.17580E+02	1.03477E-01	4.17462E-01	1.93230E-01	2.26721E-01	5.84395E-01	7.04489E-01	1.34920E+01	1.85706E+02
200	12	5.22580E+02	1.02460E-01	4.13371E-01	1.91357E-01	2.24557E-01	5.78679E-01	6.97614E-01	1.33587E+01	1.83878E+02
201	12	5.27580E+02	1.01462E-01	4.09358E-01	1.89519E-01	2.22433E-01	5.73073E-01	6.90871E-01	1.32280E+01	1.82083E+02
202	12	5.32580E+02	1.00484E-01	4.05422E-01	1.87716E-01	2.20349E-01	5.67573E-01	6.84254E-01	1.30996E+01	1.80324E+02
203	12	5.37580E+02	9.95234E-02	4.01559E-01	1.85946E-01	2.18303E-01	5.62176E-01	6.77762E-01	1.29737E+01	1.78597E+02
204	12	5.42580E+02	9.85812E-02	3.97769E-01	1.84210E-01	2.16295E-01	5.56879E-01	6.71390E-01	1.28502E+01	1.76902E+02
205	12	5.47580E+02	9.76564E-02	3.94048E-01	1.82505E-01	2.14323E-01	5.51681E-01	6.65134E-01	1.27290E+01	1.75238E+02
206	12	5.52580E+02	9.67485E-02	3.90395E-01	1.80831E-01	2.12386E-01	5.46577E-01	6.58993E-01	1.26099E+01	1.73605E+02
207	12	5.57580E+02	9.58572E-02	3.86809E-01	1.79187E-01	2.10484E-01	5.41565E-01	6.52962E-01	1.24931E+01	1.72000E+02
208	12	5.62580E+02	9.49818E-02	3.83286E-01	1.77572E-01	2.08616E-01	5.36643E-01	6.47039E-01	1.23784E+01	1.70424E+02
209	12	5.67580E+02	9.41221E-02	3.79827E-01	1.75986E-01	2.06780E-01	5.31809E-01	6.41220E-01	1.22656E+01	1.68877E+02
210	12	5.72580E+02	9.32776E-02	3.76428E-01	1.74428E-01	2.04976E-01	5.27059E-01	6.35504E-01	1.21549E+01	1.67356E+02
211	12	5.77580E+02	9.24479E-02	3.73089E-01	1.72896E-01	2.03203E-01	5.22392E-01	6.29887E-01	1.20461E+01	1.65861E+02
212	12	5.82580E+02	9.16326E-02	3.69807E-01	1.71391E-01	2.01460E-01	5.17806E-01	6.24367E-01	1.19393E+01	1.64392E+02
213	12	5.87580E+02	9.08313E-02	3.66581E-01	1.69912E-01	1.99746E-01	5.13299E-01	6.18941E-01	1.18342E+01	1.62948E+02
214	12	5.92580E+02	9.00436E-02	3.63411E-01	1.68457E-01	1.98061E-01	5.08868E-01	6.13607E-01	1.17309E+01	1.61528E+02
215	12	5.97580E+02	8.92693E-02	3.60294E-01	1.67027E-01	1.96404E-01	5.04511E-01	6.08362E-01	1.16293E+01	1.60133E+02
216	12	6.02580E+02	8.85080E-02	3.57229E-01	1.65621E-01	1.94774E-01	5.00227E-01	6.03205E-01	1.15294E+01	1.58760E+02
217	12	6.07580E+02	8.77592E-02	3.54215E-01	1.64238E-01	1.93170E-01	4.96014E-01	5.98133E-01	1.14312E+01	1.57410E+02
218	12	6.12580E+02	8.70229E-02	3.51250E-01	1.62877E-01	1.91593E-01	4.91870E-01	5.93144E-01	1.13346E+01	1.56082E+02
219	12	6.17580E+02	8.62985E-02	3.48333E-01	1.61538E-01	1.90040E-01	4.87794E-01	5.88235E-01	1.12395E+01	1.54776E+02
220	12	6.22580E+02	8.55859E-02	3.45464E-01	1.60221E-01	1.88512E-01	4.83783E-01	5.83405E-01	1.11460E+01	1.53490E+02
221	12	6.27580E+02	8.48847E-02	3.42641E-01	1.58925E-01	1.87008E-01	4.79837E-01	5.78653E-01	1.10540E+01	1.52225E+02
222	12	6.32580E+02	8.41948E-02	3.39862E-01	1.57649E-01	1.85528E-01	4.75953E-01	5.73976E-01	1.09635E+01	1.50980E+02
223	12	6.37580E+02	8.35157E-02	3.37128E-01	1.56393E-01	1.84070E-01	4.72130E-01	5.69372E-01	1.08744E+01	1.49755E+02
224	12	6.42580E+02	8.28472E-02	3.34436E-01	1.55157E-01	1.82635E-01	4.68367E-01	5.64840E-01	1.07867E+01	1.48548E+02
225	12	6.47580E+02	8.21892E-02	3.31786E-01	1.53940E-01	1.81222E-01	4.64662E-01	5.60378E-01	1.07004E+01	1.47361E+02
226	12	6.52580E+02	8.15413E-02	3.29177E-01	1.52741E-01	1.79830E-01	4.61014E-01	5.55984E-01	1.06154E+01	1.46191E+02
227	12	6.57580E+02	8.09033E-02	3.26608E-01	1.51560E-01	1.78459E-01	4.57422E-01	5.51657E-01	1.05317E+01	1.45039E+02
228	12	6.62580E+02	8.02751E-02	3.24077E-01	1.50397E-01	1.77108E-01	4.53884E-01	5.47396E-01	1.04493E+01	1.43905E+02
229	12	6.67580E+02	7.96562E-02	3.21585E-01	1.49252E-01	1.75777E-01	4.50399E-01	5.43198E-01	1.03681E+01	1.42788E+02
230	12	6.72580E+02	7.90467E-02	3.19130E-01	1.48124E-01	1.74465E-01	4.46966E-01	5.39063E-01	1.02881E+01	1.41687E+02
231	12	6.77580E+02	7.84462E-02	3.16711E-01	1.47012E-01	1.73173E-01	4.43584E-01	5.34988E-01	1.02093E+01	1.40602E+02
232	12	6.82580E+02	7.78545E-02	3.14328E-01	1.45916E-01	1.71899E-01	4.40251E-01	5.30973E-01	1.01317E+01	1.39534E+02
233	12	6.87580E+02	7.72715E-02	3.11980E-01	1.44836E-01	1.70643E-01	4.36967E-01	5.27017E-01	1.00552E+01	1.38481E+02
234	12	6.92580E+02	7.66969E-02	3.09665E-01	1.43772E-01	1.69405E-01	4.33731E-01	5.23118E-01	9.97979E+00	1.37443E+02
235	12	6.97580E+02	7.61307E-02	3.07385E-01	1.42723E-01	1.68184E-01	4.30541E-01	5.19274E-01	9.90548E+00	1.36420E+02
236	12	7.02580E+02	7.55725E-02	3.05136E-01	1.41689E-01	1.66981E-01	4.27396E-01	5.15485E-01	9.83224E+00	1.35412E+02

237	12	7.07580E+02	7.50223E-02	3.02920E-01	1.40669E-01	1.65794E-01	4.24296E-01	5.11749E-01	9.76004E+00	1.34418E+02
238	12	7.12580E+02	7.44798E-02	3.00734E-01	1.39664E-01	1.64624E-01	4.21239E-01	5.08066E-01	9.68886E+00	1.33438E+02
239	12	7.17580E+02	7.39449E-02	2.98580E-01	1.38672E-01	1.63469E-01	4.18225E-01	5.04434E-01	9.61866E+00	1.32471E+02
240	12	7.22580E+02	7.34174E-02	2.96455E-01	1.37694E-01	1.62330E-01	4.15252E-01	5.00852E-01	9.54945E+00	1.31518E+02
241	12	7.27580E+02	7.28972E-02	2.94359E-01	1.36730E-01	1.61207E-01	4.12321E-01	4.97319E-01	9.48118E+00	1.30578E+02
242	12	7.32580E+02	7.23841E-02	2.92292E-01	1.35778E-01	1.60098E-01	4.09429E-01	4.93834E-01	9.41386E+00	1.29651E+02
243	12	7.37580E+02	7.18781E-02	2.90254E-01	1.34840E-01	1.59004E-01	4.06577E-01	4.90397E-01	9.34745E+00	1.28736E+02
244	12	7.42580E+02	7.13788E-02	2.88242E-01	1.33914E-01	1.57924E-01	4.03763E-01	4.87005E-01	9.28193E+00	1.27834E+02
245	12	7.47580E+02	7.08863E-02	2.86258E-01	1.33000E-01	1.56859E-01	4.00986E-01	4.83659E-01	9.21729E+00	1.26944E+02
246	12	7.52580E+02	7.04003E-02	2.84300E-01	1.32098E-01	1.55807E-01	3.98247E-01	4.80357E-01	9.15351E+00	1.26065E+02
247	12	7.57580E+02	6.99207E-02	2.82368E-01	1.31208E-01	1.54769E-01	3.95543E-01	4.77098E-01	9.09058E+00	1.25198E+02
248	12	7.62580E+02	6.94475E-02	2.80462E-01	1.30330E-01	1.53745E-01	3.92875E-01	4.73882E-01	9.02848E+00	1.24343E+02
249	12	7.67580E+02	6.89804E-02	2.78580E-01	1.29463E-01	1.52733E-01	3.90242E-01	4.70707E-01	8.96718E+00	1.23499E+02
250	12	7.72580E+02	6.85194E-02	2.76723E-01	1.28607E-01	1.51734E-01	3.87642E-01	4.67574E-01	8.90668E+00	1.22665E+02
251	12	7.77580E+02	6.80644E-02	2.74890E-01	1.27762E-01	1.50747E-01	3.85076E-01	4.64480E-01	8.84695E+00	1.21843E+02
252	12	7.82580E+02	6.76152E-02	2.73080E-01	1.26928E-01	1.49773E-01	3.82543E-01	4.61426E-01	8.78800E+00	1.21031E+02
253	12	7.87580E+02	6.71717E-02	2.71293E-01	1.26104E-01	1.48811E-01	3.80042E-01	4.58411E-01	8.72978E+00	1.20229E+02
254	12	7.92580E+02	6.67338E-02	2.69529E-01	1.25291E-01	1.47861E-01	3.77572E-01	4.55433E-01	8.67231E+00	1.19437E+02
255	12	7.97580E+02	6.63014E-02	2.67787E-01	1.24488E-01	1.46922E-01	3.75133E-01	4.52492E-01	8.61556E+00	1.18655E+02
256	12	8.02580E+02	6.58744E-02	2.66066E-01	1.23694E-01	1.45994E-01	3.72724E-01	4.49588E-01	8.55951E+00	1.17883E+02
257	12	8.07580E+02	6.54526E-02	2.64367E-01	1.22910E-01	1.45078E-01	3.70345E-01	4.46720E-01	8.50416E+00	1.17120E+02
258	12	8.12580E+02	6.50361E-02	2.62689E-01	1.22136E-01	1.44173E-01	3.67996E-01	4.43886E-01	8.44949E+00	1.16367E+02
259	12	8.17580E+02	6.46247E-02	2.61032E-01	1.21371E-01	1.43278E-01	3.65675E-01	4.41087E-01	8.39548E+00	1.15623E+02
260	12	8.22580E+02	6.42183E-02	2.59394E-01	1.20616E-01	1.42394E-01	3.63381E-01	4.38322E-01	8.34214E+00	1.14888E+02
261	12	8.27580E+02	6.38168E-02	2.57777E-01	1.19869E-01	1.41520E-01	3.61116E-01	4.35590E-01	8.28944E+00	1.14161E+02
262	12	8.32580E+02	6.34202E-02	2.56179E-01	1.19132E-01	1.40657E-01	3.58878E-01	4.32890E-01	8.23737E+00	1.13444E+02
263	12	8.37580E+02	6.30283E-02	2.54600E-01	1.18403E-01	1.39803E-01	3.56666E-01	4.30223E-01	8.18592E+00	1.12735E+02
264	12	8.42580E+02	6.26410E-02	2.53039E-01	1.17682E-01	1.38960E-01	3.54480E-01	4.27587E-01	8.13508E+00	1.12034E+02
265	12	8.47580E+02	6.22583E-02	2.51497E-01	1.16970E-01	1.38125E-01	3.52320E-01	4.24982E-01	8.08484E+00	1.11341E+02
266	12	8.52580E+02	6.18801E-02	2.49974E-01	1.16267E-01	1.37301E-01	3.50186E-01	4.22407E-01	8.03518E+00	1.10657E+02
267	12	8.57580E+02	6.15063E-02	2.48468E-01	1.15571E-01	1.36485E-01	3.48076E-01	4.19862E-01	7.98611E+00	1.09980E+02
268	12	8.62580E+02	6.11368E-02	2.46979E-01	1.14883E-01	1.35679E-01	3.45990E-01	4.17346E-01	7.93760E+00	1.09311E+02
269	12	8.67580E+02	6.07716E-02	2.45508E-01	1.14203E-01	1.34882E-01	3.43928E-01	4.14859E-01	7.88966E+00	1.08649E+02
270	12	8.72580E+02	6.04106E-02	2.44053E-01	1.13531E-01	1.34093E-01	3.41890E-01	4.12401E-01	7.84227E+00	1.07995E+02
271	12	8.77580E+02	6.00537E-02	2.42615E-01	1.12867E-01	1.33314E-01	3.39875E-01	4.09970E-01	7.79541E+00	1.07348E+02
272	12	8.82580E+02	5.97009E-02	2.41194E-01	1.12209E-01	1.32542E-01	3.37883E-01	4.07566E-01	7.74908E+00	1.06708E+02
273	12	8.87580E+02	5.93520E-02	2.39788E-01	1.11559E-01	1.31779E-01	3.35913E-01	4.05189E-01	7.70327E+00	1.06076E+02
274	12	8.92580E+02	5.90070E-02	2.38398E-01	1.10917E-01	1.31025E-01	3.33964E-01	4.02839E-01	7.65798E+00	1.05450E+02
275	12	8.97580E+02	5.86659E-02	2.37024E-01	1.10281E-01	1.30278E-01	3.32038E-01	4.00514E-01	7.61318E+00	1.04833E+02
276	12	9.02580E+02	5.83285E-02	2.35665E-01	1.09652E-01	1.29539E-01	3.30132E-01	3.98216E-01	7.56888E+00	1.04222E+02
277	12	9.07580E+02	5.79949E-02	2.34321E-01	1.09031E-01	1.28809E-01	3.28248E-01	3.95942E-01	7.52507E+00	1.03616E+02
278	12	9.12580E+02	5.76649E-02	2.32991E-01	1.08415E-01	1.28085E-01	3.26384E-01	3.93692E-01	7.48174E+00	1.03018E+02
279	12	9.17580E+02	5.73385E-02	2.31676E-01	1.07807E-01	1.27370E-01	3.24540E-01	3.91468E-01	7.43887E+00	1.02427E+02
280	12	9.22580E+02	5.70156E-02	2.30376E-01	1.07205E-01	1.26662E-01	3.22716E-01	3.89267E-01	7.39647E+00	1.01842E+02
281	12	9.27580E+02	5.66962E-02	2.29089E-01	1.06609E-01	1.25961E-01	3.20912E-01	3.87089E-01	7.35452E+00	1.01264E+02
282	12	9.32580E+02	5.63803E-02	2.27816E-01	1.06020E-01	1.25267E-01	3.19126E-01	3.84935E-01	7.31302E+00	1.00692E+02
283	12	9.37580E+02	5.60677E-02	2.26557E-01	1.05437E-01	1.24581E-01	3.17360E-01	3.82803E-01	7.27196E+00	1.00125E+02
284	12	9.42580E+02	5.57584E-02	2.25311E-01	1.04859E-01	1.23901E-01	3.15612E-01	3.80694E-01	7.23134E+00	9.95646E+01
285	12	9.47580E+02	5.54523E-02	2.24078E-01	1.04288E-01	1.23228E-01	3.13883E-01	3.78607E-01	7.19113E+00	9.90104E+01
286	12	9.52580E+02	5.51495E-02	2.22858E-01	1.03723E-01	1.22562E-01	3.12172E-01	3.76541E-01	7.15135E+00	9.84621E+01
287	12	9.57580E+02	5.48499E-02	2.21651E-01	1.03164E-01	1.21903E-01	3.10478E-01	3.74497E-01	7.11198E+00	9.79195E+01
288	12	9.62580E+02	5.45533E-02	2.20456E-01	1.02610E-01	1.21250E-01	3.08802E-01	3.72474E-01	7.07302E+00	9.73825E+01
289	12	9.67580E+02	5.42598E-02	2.19274E-01	1.02062E-01	1.20603E-01	3.07143E-01	3.70472E-01	7.03445E+00	9.68511E+01
290	12	9.72580E+02	5.39693E-02	2.18103E-01	1.01519E-01	1.19963E-01	3.05501E-01	3.68490E-01	6.99627E+00	9.63251E+01
291	12	9.77580E+02	5.36818E-02	2.16945E-01	1.00982E-01	1.19329E-01	3.03875E-01	3.66528E-01	6.95850E+00	9.58045E+01
292	12	9.82580E+02	5.33972E-02	2.15799E-01	1.00451E-01	1.18702E-01	3.02266E-01	3.64585E-01	6.92110E+00	9.52892E+01
293	12	9.87580E+02	5.31154E-02	2.14664E-01	9.99241E-02	1.18080E-01	3.00674E-01	3.62662E-01	6.88409E+00	9.47790E+01
294	12	9.92580E+02	5.28365E-02	2.13540E-01	9.94029E-02	1.17464E-01	2.99097E-01	3.60758E-01	6.84747E+00	9.42740E+01
295	12	9.97580E+02	5.25604E-02	2.12428E-01	9.88868E-02	1.16854E-01	2.97536E-01	3.58873E-01	6.81123E+00	9.37741E+01
296	12	1.00258E+03	5.22870E-02	2.11327E-01	9.83757E-02	1.16250E-01	2.95990E-01	3.57006E-01	6.77535E+00	9.32792E+01

297	12	1.00758E+03	5.20164E-02	2.10237E-01	9.78696E-02	1.15651E-01	2.94459E-01	3.55159E-01	6.73983E+00	9.27891E+01
298	12	1.01258E+03	5.17484E-02	2.09157E-01	9.73684E-02	1.15058E-01	2.92944E-01	3.53330E-01	6.70467E+00	9.23041E+01
299	12	1.01758E+03	5.14830E-02	2.08088E-01	9.68720E-02	1.14471E-01	2.91443E-01	3.51518E-01	6.66985E+00	9.18240E+01
300	12	1.02258E+03	5.12202E-02	2.07030E-01	9.63804E-02	1.13889E-01	2.89957E-01	3.49724E-01	6.63537E+00	9.13485E+01
301	12	1.02758E+03	5.09599E-02	2.05982E-01	9.58935E-02	1.13312E-01	2.88485E-01	3.47947E-01	6.60123E+00	9.08777E+01
302	12	1.03258E+03	5.07022E-02	2.04944E-01	9.54112E-02	1.12740E-01	2.87028E-01	3.46187E-01	6.56742E+00	9.04114E+01
303	12	1.03758E+03	5.04470E-02	2.03915E-01	9.49334E-02	1.12174E-01	2.85584E-01	3.44444E-01	6.53393E+00	8.99497E+01
304	12	1.04258E+03	5.01941E-02	2.02897E-01	9.44601E-02	1.11613E-01	2.84154E-01	3.42718E-01	6.50077E+00	8.94923E+01
305	12	1.04758E+03	4.99437E-02	2.01889E-01	9.39912E-02	1.11056E-01	2.82738E-01	3.41008E-01	6.46792E+00	8.90393E+01
306	12	1.05258E+03	4.96957E-02	2.00890E-01	9.35267E-02	1.10505E-01	2.81335E-01	3.39315E-01	6.43539E+00	8.85906E+01
307	12	1.05758E+03	4.94500E-02	1.99900E-01	9.30665E-02	1.09958E-01	2.79945E-01	3.37637E-01	6.40316E+00	8.81462E+01
308	12	1.06258E+03	4.92065E-02	1.98920E-01	9.26105E-02	1.09416E-01	2.78568E-01	3.35975E-01	6.37125E+00	8.77060E+01
309	12	1.06758E+03	4.89654E-02	1.97949E-01	9.21586E-02	1.08879E-01	2.77204E-01	3.34329E-01	6.33963E+00	8.72699E+01
310	12	1.07258E+03	4.87265E-02	1.96987E-01	9.17109E-02	1.08347E-01	2.75852E-01	3.32697E-01	6.30830E+00	8.68379E+01
311	12	1.07758E+03	4.84898E-02	1.96034E-01	9.12673E-02	1.07819E-01	2.74513E-01	3.31081E-01	6.27727E+00	8.64099E+01
312	12	1.08258E+03	4.82553E-02	1.95089E-01	9.08276E-02	1.07295E-01	2.73187E-01	3.29480E-01	6.24652E+00	8.59858E+01
313	12	1.08758E+03	4.80229E-02	1.94154E-01	9.03918E-02	1.06776E-01	2.71872E-01	3.27894E-01	6.21606E+00	8.55657E+01
314	12	1.09258E+03	4.77926E-02	1.93227E-01	8.99599E-02	1.06261E-01	2.70569E-01	3.26322E-01	6.18588E+00	8.51495E+01
315	12	1.09758E+03	4.75644E-02	1.92308E-01	8.95318E-02	1.05751E-01	2.69278E-01	3.24765E-01	6.15597E+00	8.47370E+01
316	12	1.10258E+03	4.73383E-02	1.91397E-01	8.91076E-02	1.05245E-01	2.67999E-01	3.23222E-01	6.12634E+00	8.43284E+01
317	12	1.10758E+03	4.71142E-02	1.90495E-01	8.86870E-02	1.04742E-01	2.66731E-01	3.21694E-01	6.09698E+00	8.39234E+01
318	12	1.11258E+03	4.68921E-02	1.89601E-01	8.82701E-02	1.04244E-01	2.65475E-01	3.20179E-01	6.06788E+00	8.35221E+01
319	12	1.11758E+03	4.66720E-02	1.88715E-01	8.78568E-02	1.03750E-01	2.64230E-01	3.18677E-01	6.03904E+00	8.31248E+01
320	12	1.12258E+03	4.64538E-02	1.87837E-01	8.74470E-02	1.03260E-01	2.62996E-01	3.17189E-01	6.01046E+00	8.27315E+01
321	12	1.12758E+03	4.62375E-02	1.86966E-01	8.70408E-02	1.02773E-01	2.61772E-01	3.15715E-01	5.98213E+00	8.23416E+01
322	12	1.13258E+03	4.60231E-02	1.86103E-01	8.66380E-02	1.02291E-01	2.60559E-01	3.14253E-01	5.95406E+00	8.19551E+01
323	12	1.13758E+03	4.58106E-02	1.85248E-01	8.62387E-02	1.01812E-01	2.59357E-01	3.12804E-01	5.92623E+00	8.15721E+01
324	12	1.14258E+03	4.55999E-02	1.84400E-01	8.58426E-02	1.01336E-01	2.58166E-01	3.11369E-01	5.89867E+00	8.11923E+01

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0 TOTAL FLUX - G=GROUP NO. N= 56

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3	G=N + 4	G=N + 5	G=N + 6	G=N + 7	G=N + 8
1	1	2.50000E-01	6.79349E+09	3.94128E+09	1.96883E+10	1.86766E+10	8.66133E+09	3.60272E+09	4.23705E+08	1.37108E+08
2	1	1.00000E+00	6.79349E+09	3.94128E+09	1.96883E+10	1.86766E+10	8.66133E+09	3.60272E+09	4.24043E+08	1.37105E+08
3	1	2.67567E+00	6.79346E+09	3.94127E+09	1.96883E+10	1.86766E+10	8.66132E+09	3.60271E+09	4.23795E+08	1.37107E+08
4	1	5.02700E+00	6.79339E+09	3.94125E+09	1.96883E+10	1.86766E+10	8.66131E+09	3.60271E+09	4.23996E+08	1.37106E+08
5	1	7.37833E+00	6.79327E+09	3.94120E+09	1.96883E+10	1.86766E+10	8.66128E+09	3.60270E+09	4.23752E+08	1.37107E+08
6	1	9.72967E+00	6.79310E+09	3.94114E+09	1.96883E+10	1.86766E+10	8.66125E+09	3.60268E+09	4.24042E+08	1.37106E+08
7	1	1.20810E+01	6.79286E+09	3.94105E+09	1.96882E+10	1.86765E+10	8.66120E+09	3.60266E+09	4.23697E+08	1.37107E+08
8	1	1.44323E+01	6.79253E+09	3.94093E+09	1.96882E+10	1.86765E+10	8.66114E+09	3.60264E+09	4.24098E+08	1.37106E+08
9	1	1.67837E+01	6.79211E+09	3.94077E+09	1.96881E+10	1.86764E+10	8.66105E+09	3.60259E+09	4.23629E+08	1.37107E+08
10	1	1.91350E+01	6.79156E+09	3.94057E+09	1.96880E+10	1.86763E+10	8.66094E+09	3.60255E+09	4.24165E+08	1.37106E+08
11	1	2.14863E+01	6.79085E+09	3.94030E+09	1.96878E+10	1.86762E+10	8.66079E+09	3.60248E+09	4.23545E+08	1.37107E+08
12	1	2.38377E+01	6.78992E+09	3.93995E+09	1.96877E+10	1.86761E+10	8.66059E+09	3.60241E+09	4.24245E+08	1.37106E+08
13	1	2.61890E+01	6.78872E+09	3.93948E+09	1.96874E+10	1.86759E+10	8.66034E+09	3.60228E+09	4.23438E+08	1.37107E+08
14	1	2.85403E+01	6.78716E+09	3.93887E+09	1.96870E+10	1.86756E+10	8.65998E+09	3.60216E+09	4.24340E+08	1.37106E+08
15	1	3.08917E+01	6.78512E+09	3.93807E+09	1.96865E+10	1.86752E+10	8.65951E+09	3.60192E+09	4.23298E+08	1.37106E+08
16	1	3.32430E+01	6.78246E+09	3.93701E+09	1.96858E+10	1.86747E+10	8.65886E+09	3.60172E+09	4.24454E+08	1.37106E+08
17	1	3.55943E+01	6.77897E+09	3.93559E+09	1.96848E+10	1.86739E+10	8.65797E+09	3.60126E+09	4.23107E+08	1.37105E+08
18	1	3.79457E+01	6.77438E+09	3.93370E+09	1.96833E+10	1.86727E+10	8.65673E+09	3.60091E+09	4.24589E+08	1.37106E+08
19	1	4.02970E+01	6.76831E+09	3.93117E+09	1.96812E+10	1.86711E+10	8.65497E+09	3.60003E+09	4.22835E+08	1.37103E+08
20	1	4.26483E+01	6.76025E+09	3.92775E+09	1.96779E+10	1.86686E+10	8.65246E+09	3.59935E+09	4.24740E+08	1.37106E+08
21	1	4.49997E+01	6.74949E+09	3.92311E+09	1.96732E+10	1.86649E+10	8.64881E+09	3.59758E+09	4.22421E+08	1.37100E+08
22	1	4.73510E+01	6.73506E+09	3.91676E+09	1.96659E+10	1.86593E+10	8.64342E+09	3.59618E+09	4.24884E+08	1.37105E+08
23	1	4.97023E+01	6.71557E+09	3.90803E+09	1.96546E+10	1.86505E+10	8.63532E+09	3.59248E+09	4.21740E+08	1.37094E+08
24	1	5.20537E+01	6.68907E+09	3.89591E+09	1.96371E+10	1.86366E+10	8.62293E+09	3.58933E+09	4.24938E+08	1.37104E+08
25	1	5.44050E+01	6.65272E+09	3.87893E+09	1.96093E+10	1.86142E+10	8.60360E+09	3.58117E+09	4.20507E+08	1.37081E+08
26	1	5.67563E+01	6.60242E+09	3.85486E+09	1.95643E+10	1.85776E+10	8.57285E+09	3.57333E+09	4.24624E+08	1.37096E+08
27	1	5.91077E+01	6.53207E+09	3.82033E+09	1.94904E+10	1.85164E+10	8.52301E+09	3.55409E+09	4.17998E+08	1.37051E+08
28	1	6.14590E+01	6.43246E+09	3.76998E+09	1.93661E+10	1.84117E+10	8.44028E+09	3.53239E+09	4.23031E+08	1.37072E+08
29	1	6.38103E+01	6.28918E+09	3.69520E+09	1.91517E+10	1.82271E+10	8.30108E+09	3.48304E+09	4.12160E+08	1.36979E+08

30	1	6.61617E+01	6.07824E+09	3.58128E+09	1.87692E+10	1.78889E+10	8.05926E+09	3.41469E+09	4.16944E+08	1.36990E+08
31	1	6.85130E+01	5.75245E+09	3.40140E+09	1.80732E+10	1.72506E+10	7.63999E+09	3.27268E+09	3.96286E+08	1.36777E+08
32	1	7.08643E+01	5.16392E+09	3.07046E+09	1.65711E+10	1.58677E+10	6.85030E+09	3.00136E+09	3.92673E+08	1.36673E+08
33	1	7.27900E+01	4.28218E+09	2.55014E+09	1.36921E+10	1.31617E+10	5.80256E+09	2.89156E+09	3.48057E+08	1.36173E+08
34	1	7.37900E+01	3.54495E+09	2.09258E+09	1.07735E+10	1.03400E+10	5.10019E+09	4.08999E+09	8.45056E+08	1.42823E+08
0										
35	2	7.43575E+01	2.55906E+09	1.51645E+09	6.98212E+09	6.88856E+09	4.81352E+09	5.88866E+09	2.42930E+09	1.92951E+08
36	2	7.49925E+01	1.49048E+09	9.10778E+08	3.39806E+09	3.64658E+09	4.12950E+09	5.80731E+09	2.72248E+09	2.17577E+08
37	2	7.56275E+01	9.81932E+08	6.15713E+08	2.05476E+09	2.30082E+09	3.12791E+09	4.53819E+09	2.19797E+09	1.78846E+08
38	2	7.62625E+01	6.84440E+08	4.36298E+08	1.31934E+09	1.52891E+09	2.36266E+09	3.50033E+09	1.71062E+09	1.36106E+08
0										
39	3	7.68300E+01	5.65995E+08	3.63188E+08	1.03737E+09	1.22468E+09	2.01447E+09	3.00874E+09	1.44151E+09	1.13956E+08
40	3	7.73300E+01	5.60431E+08	3.59483E+08	1.02787E+09	1.21281E+09	1.99741E+09	3.00589E+09	1.44016E+09	1.13857E+08
41	3	7.78300E+01	5.55029E+08	3.55935E+08	1.01864E+09	1.20139E+09	1.98214E+09	3.00502E+09	1.43880E+09	1.13772E+08
0										
42	4	7.83300E+01	4.89101E+08	3.15094E+08	8.72016E+08	1.03937E+09	1.77809E+09	2.70066E+09	1.27798E+09	9.66063E+07
43	4	7.88300E+01	3.78016E+08	2.45884E+08	6.29503E+08	7.68521E+08	1.41499E+09	2.14779E+09	1.00026E+09	7.35049E+07
44	4	7.93300E+01	2.93598E+08	1.92402E+08	4.57637E+08	5.70489E+08	1.11502E+09	1.69994E+09	7.88644E+08	5.83869E+07
45	4	7.98300E+01	2.29019E+08	1.51044E+08	3.35013E+08	4.25497E+08	8.75194E+08	1.34398E+09	6.34005E+08	4.77540E+07
0										
46	5	8.03300E+01	1.80172E+08	1.19508E+08	2.48291E+08	3.20633E+08	6.89367E+08	1.07092E+09	5.27928E+08	4.43195E+07
47	5	8.10800E+01	1.29888E+08	8.67545E+07	1.66281E+08	2.18801E+08	4.94340E+08	7.78561E+08	3.94940E+08	3.42123E+07
48	5	8.20800E+01	8.21923E+07	5.53958E+07	9.43430E+07	1.27322E+08	3.06998E+08	4.90039E+08	2.50814E+08	2.15795E+07
49	5	8.30800E+01	5.25581E+07	3.56732E+07	5.45954E+07	7.50615E+07	1.90235E+08	3.06424E+08	1.57118E+08	1.36053E+07
50	5	8.40800E+01	3.39084E+07	2.31269E+07	3.21242E+07	4.47378E+07	1.17853E+08	1.91081E+08	9.76413E+07	8.39905E+06
51	5	8.50800E+01	2.20336E+07	1.50766E+07	1.91751E+07	2.69185E+07	7.30739E+07	1.19044E+08	6.08728E+07	5.27517E+06
52	5	8.60800E+01	1.44019E+07	9.87314E+06	1.15905E+07	1.63342E+07	4.53837E+07	7.41858E+07	3.78247E+07	3.24949E+06
53	5	8.70800E+01	9.46229E+06	6.48986E+06	7.08477E+06	9.98874E+06	2.82485E+07	4.62501E+07	2.36031E+07	2.04910E+06
54	5	8.80800E+01	6.24050E+06	4.28009E+06	4.37449E+06	6.15269E+06	1.76312E+07	2.87821E+07	1.46356E+07	1.25414E+06
55	5	8.90800E+01	4.12880E+06	2.82954E+06	2.72552E+06	3.81542E+06	1.10174E+07	1.76044E+07	8.80243E+06	7.66710E+05
56	5	8.98300E+01	2.99730E+06	2.05080E+06	1.88819E+06	2.62488E+06	7.52068E+06	1.10582E+07	5.15845E+06	4.32196E+05
0										
57	6	9.03300E+01	2.69428E+06	1.84367E+06	1.67036E+06	2.31281E+06	6.53950E+06	8.90386E+06	3.91011E+06	3.84853E+05
58	6	9.08300E+01	2.67912E+06	1.83172E+06	1.65868E+06	2.29507E+06	6.47207E+06	8.81522E+06	3.89479E+06	3.83009E+05
59	6	9.20800E+01	2.64252E+06	1.80313E+06	1.63097E+06	2.25343E+06	6.31923E+06	8.62323E+06	3.86219E+06	3.79421E+05
60	6	9.41425E+01	2.58409E+06	1.75789E+06	1.58750E+06	2.18877E+06	6.08951E+06	8.34801E+06	3.81644E+06	3.74652E+05
61	6	9.62675E+01	2.52674E+06	1.71411E+06	1.54588E+06	2.12776E+06	5.88326E+06	8.11997E+06	3.78011E+06	3.71103E+05
62	6	9.83925E+01	2.47196E+06	1.67269E+06	1.50684E+06	2.07128E+06	5.70093E+06	7.93447E+06	3.75219E+06	3.68535E+05
63	6	1.00517E+02	2.41927E+06	1.63306E+06	1.46976E+06	2.01831E+06	5.53733E+06	7.78171E+06	3.73093E+06	3.66664E+05
64	6	1.02642E+02	2.36828E+06	1.59458E+06	1.43400E+06	1.96791E+06	5.38895E+06	7.65545E+06	3.71529E+06	3.65313E+05
65	6	1.04767E+02	2.31795E+06	1.55642E+06	1.39982E+06	1.92018E+06	5.25336E+06	7.55182E+06	3.70472E+06	3.64367E+05
66	6	1.06892E+02	2.26683E+06	1.51982E+06	1.36766E+06	1.87522E+06	5.12889E+06	7.46869E+06	3.69905E+06	3.63762E+05
67	6	1.09017E+02	2.21733E+06	1.48559E+06	1.33706E+06	1.83255E+06	5.01437E+06	7.40529E+06	3.69842E+06	3.63461E+05
68	6	1.11142E+02	2.17072E+06	1.45264E+06	1.30767E+06	1.79193E+06	4.90908E+06	7.36203E+06	3.70328E+06	3.63458E+05
69	6	1.13267E+02	2.12567E+06	1.42072E+06	1.27939E+06	1.75304E+06	4.81258E+06	7.34058E+06	3.71440E+06	3.63768E+05
70	6	1.15392E+02	2.08171E+06	1.38978E+06	1.25214E+06	1.71576E+06	4.72476E+06	7.34390E+06	3.73292E+06	3.64432E+05
71	6	1.17517E+02	2.03888E+06	1.35980E+06	1.22594E+06	1.68000E+06	4.64580E+06	7.37656E+06	3.76045E+06	3.65518E+05
72	6	1.19080E+02	2.00807E+06	1.33836E+06	1.20726E+06	1.65453E+06	4.59267E+06	7.41875E+06	3.78634E+06	3.66579E+05
73	6	1.19830E+02	1.99363E+06	1.32837E+06	1.19852E+06	1.64267E+06	4.56923E+06	7.44727E+06	3.80135E+06	3.67210E+05
0										
74	7	1.20330E+02	1.80150E+06	1.21055E+06	1.08462E+06	1.49056E+06	4.20299E+06	6.23881E+06	2.59256E+06	2.06786E+05
0										
75	8	1.20838E+02	1.39354E+06	9.14659E+05	7.80264E+05	1.03386E+06	2.58232E+06	1.46997E+06	9.04607E+04	1.96255E+03
76	8	1.21355E+02	9.97469E+05	6.14577E+05	4.75386E+05	5.70041E+05	9.89129E+05	1.73965E+05	8.69455E+03	6.72356E+01
77	8	1.21872E+02	7.17374E+05	4.16780E+05	2.95996E+05	3.27848E+05	4.80411E+05	1.33019E+05	5.38770E+03	4.35728E+01
78	8	1.22388E+02	5.16407E+05	2.84063E+05	1.86472E+05	1.92419E+05	2.39996E+05	6.61543E+04	2.69413E+03	2.06793E+01
79	8	1.22905E+02	3.71861E+05	1.94538E+05	1.19031E+05	1.15882E+05	1.39350E+05	4.85173E+04	1.83199E+03	1.47552E+01
80	8	1.23422E+02	2.67849E+05	1.33848E+05	7.69487E+04	7.14443E+04	8.35411E+04	2.86218E+04	1.05779E+03	8.12668E+00
81	8	1.23938E+02	1.92995E+05	9.24934E+04	5.03731E+04	4.50645E+04	5.39213E+04	2.11504E+04	7.62446E+02	6.12539E+00
82	8	1.24455E+02	1.39112E+05	6.41943E+04	3.33564E+04	2.90256E+04	3.55551E+04	1.33542E+04	4.69648E+02	3.60987E+00

83	8	1.24972E+02	1.00316E+05	4.47339E+04	2.23359E+04	1.90532E+04	2.41933E+04	9.99448E+03	3.50847E+02	2.81581E+00
84	8	1.25488E+02	7.23742E+04	3.12934E+04	1.51117E+04	1.27180E+04	1.66761E+04	6.49435E+03	2.22018E+02	1.70577E+00
85	8	1.26005E+02	5.22419E+04	2.19712E+04	1.03206E+04	8.61315E+03	1.16949E+04	4.94561E+03	1.71225E+02	1.37511E+00
86	8	1.26522E+02	3.77311E+04	1.54799E+04	7.10901E+03	5.90591E+03	8.31481E+03	3.21952E+03	1.08399E+02	8.30440E-01
87	8	1.27038E+02	2.72686E+04	1.09430E+04	4.93483E+03	4.09253E+03	6.30345E+03	2.63394E+03	9.11278E+01	7.34785E-01
88	8	1.27555E+02	1.97231E+04	7.76164E+03	3.44951E+03	2.85966E+03	5.56336E+03	1.53238E+03	5.70673E+01	4.32802E-01
89	8	1.28072E+02	1.42822E+04	5.52205E+03	2.42527E+03	2.01551E+03	1.29499E+04	4.26684E+03	4.81940E+02	1.29163E+02
0										
90	9	1.28584E+02	1.18235E+04	4.54385E+03	1.99590E+03	1.68375E+03	2.84661E+04	1.35581E+04	1.10033E+04	6.11200E+03
91	9	1.29092E+02	1.14695E+04	4.44184E+03	1.97516E+03	1.70111E+03	3.12675E+04	1.47267E+04	1.27238E+04	7.24331E+03
92	9	1.29601E+02	1.11256E+04	4.34104E+03	1.95210E+03	1.71156E+03	3.30235E+04	1.56626E+04	1.41406E+04	8.23398E+03
93	9	1.30109E+02	1.07918E+04	4.24154E+03	1.92713E+03	1.71621E+03	3.38584E+04	1.63969E+04	1.52845E+04	9.09651E+03
94	9	1.30618E+02	1.04678E+04	4.14344E+03	1.90059E+03	1.71599E+03	3.38997E+04	1.69439E+04	1.61769E+04	9.83721E+03
95	9	1.31126E+02	1.01534E+04	4.04681E+03	1.87277E+03	1.71166E+03	3.33229E+04	1.73100E+04	1.68486E+04	1.04661E+04
96	9	1.31634E+02	9.84830E+03	3.95170E+03	1.84391E+03	1.70386E+03	3.22899E+04	1.75198E+04	1.73289E+04	1.09924E+04
97	9	1.32143E+02	9.55236E+03	3.85817E+03	1.81424E+03	1.69314E+03	3.09400E+04	1.75959E+04	1.76440E+04	1.14236E+04
98	9	1.32651E+02	9.26530E+03	3.76624E+03	1.78394E+03	1.67993E+03	2.93910E+04	1.75588E+04	1.78170E+04	1.17665E+04
99	9	1.33159E+02	8.98688E+03	3.67594E+03	1.75319E+03	1.66463E+03	2.77365E+04	1.74273E+04	1.78682E+04	1.20267E+04
100	9	1.33667E+02	8.71686E+03	3.58731E+03	1.72209E+03	1.64755E+03	2.60453E+04	1.72178E+04	1.78151E+04	1.22097E+04
101	9	1.34176E+02	8.45499E+03	3.50035E+03	1.69077E+03	1.62897E+03	2.43688E+04	1.69446E+04	1.76728E+04	1.23201E+04
102	9	1.34684E+02	8.20105E+03	3.41507E+03	1.65931E+03	1.60912E+03	2.27448E+04	1.66201E+04	1.74541E+04	1.23623E+04
103	9	1.35193E+02	7.95481E+03	3.33148E+03	1.62781E+03	1.58822E+03	2.11979E+04	1.62549E+04	1.71697E+04	1.23403E+04
104	9	1.35701E+02	7.71604E+03	3.24957E+03	1.59635E+03	1.56642E+03	1.97430E+04	1.58575E+04	1.68283E+04	1.22575E+04
105	9	1.36209E+02	7.48452E+03	3.16935E+03	1.56497E+03	1.54389E+03	1.83877E+04	1.54351E+04	1.64374E+04	1.21173E+04
106	9	1.36717E+02	7.26004E+03	3.09081E+03	1.53375E+03	1.52075E+03	1.71339E+04	1.49934E+04	1.60027E+04	1.19226E+04
107	9	1.37226E+02	7.04237E+03	3.01393E+03	1.50272E+03	1.49712E+03	1.59798E+04	1.45364E+04	1.55287E+04	1.16759E+04
108	9	1.37734E+02	6.83132E+03	2.93871E+03	1.47193E+03	1.47309E+03	1.49208E+04	1.40673E+04	1.50186E+04	1.13794E+04
109	9	1.38243E+02	6.62669E+03	2.86513E+03	1.44142E+03	1.44875E+03	1.39511E+04	1.35881E+04	1.44747E+04	1.10351E+04
110	9	1.38751E+02	6.42827E+03	2.79317E+03	1.41123E+03	1.42417E+03	1.30637E+04	1.30997E+04	1.38982E+04	1.06443E+04
111	9	1.39259E+02	6.23585E+03	2.72283E+03	1.38136E+03	1.39941E+03	1.22515E+04	1.26021E+04	1.32890E+04	1.02080E+04
112	9	1.39768E+02	6.04930E+03	2.65408E+03	1.35186E+03	1.37453E+03	1.15070E+04	1.20941E+04	1.26462E+04	9.72652E+03
113	9	1.40276E+02	5.86840E+03	2.58691E+03	1.32274E+03	1.34957E+03	1.08231E+04	1.15739E+04	1.19675E+04	9.19961E+03
114	9	1.40784E+02	5.69298E+03	2.52130E+03	1.29402E+03	1.32456E+03	1.01932E+04	1.10379E+04	1.12490E+04	8.62599E+03
115	9	1.41292E+02	5.52288E+03	2.45723E+03	1.26571E+03	1.29955E+03	9.61141E+03	1.04816E+04	1.04851E+04	8.00321E+03
116	9	1.41801E+02	5.35790E+03	2.39468E+03	1.23784E+03	1.27453E+03	9.07173E+03	9.89868E+03	9.66794E+03	7.32726E+03
117	9	1.42309E+02	5.19790E+03	2.33365E+03	1.21040E+03	1.24953E+03	8.56805E+03	9.28064E+03	8.78656E+03	6.59201E+03
118	9	1.42818E+02	5.04269E+03	2.27411E+03	1.18341E+03	1.22455E+03	8.09507E+03	8.61645E+03	7.82617E+03	5.78840E+03
119	9	1.43326E+02	4.89210E+03	2.21600E+03	1.15688E+03	1.19957E+03	7.64787E+03	7.89165E+03	6.76681E+03	4.90340E+03
0										
120	10	1.43830E+02	4.17189E+03	1.85920E+03	9.42621E+02	9.32477E+02	4.61587E+03	2.09677E+03	2.90535E+02	1.11324E+02
121	10	1.44330E+02	3.05680E+03	1.30927E+03	6.25312E+02	5.67995E+02	1.50838E+03	4.17286E+02	2.21132E+01	3.51729E-01
0										
122	11	1.44830E+02	2.36907E+03	1.01656E+03	4.88368E+02	4.53121E+02	1.08682E+03	7.78125E+02	1.87080E+02	1.10259E+01
0										
123	12	1.45330E+02	2.14942E+03	9.45418E+02	4.67013E+02	4.47927E+02	1.03123E+03	6.20848E+02	1.67665E+02	1.34087E+01
124	12	1.46080E+02	2.13779E+03	9.38996E+02	4.62852E+02	4.42886E+02	1.01657E+03	6.08700E+02	1.64939E+02	1.32614E+01
125	12	1.47580E+02	2.11497E+03	9.26565E+02	4.54971E+02	4.33495E+02	9.89654E+02	5.86962E+02	1.60044E+02	1.29972E+01
126	12	1.50580E+02	2.07096E+03	9.03153E+02	4.40680E+02	4.16945E+02	9.43479E+02	5.51877E+02	1.52079E+02	1.25536E+01
127	12	1.55236E+02	2.00596E+03	8.69623E+02	4.21115E+02	3.95100E+02	8.84706E+02	5.10084E+02	1.42483E+02	1.20057E+01
128	12	1.60549E+02	1.93608E+03	8.34801E+02	4.01714E+02	3.74297E+02	8.31075E+02	4.74449E+02	1.34183E+02	1.15232E+01
129	12	1.65861E+02	1.87069E+03	8.03210E+02	3.84775E+02	3.56770E+02	7.87663E+02	4.47548E+02	1.27811E+02	1.11452E+01
130	12	1.71174E+02	1.80948E+03	7.74303E+02	3.69672E+02	3.41535E+02	7.51031E+02	4.26074E+02	1.22646E+02	1.08333E+01
131	12	1.76486E+02	1.75213E+03	7.47673E+02	3.56013E+02	3.28008E+02	7.19211E+02	4.08203E+02	1.18288E+02	1.05660E+01
132	12	1.81799E+02	1.69832E+03	7.23008E+02	3.43536E+02	3.15820E+02	6.91004E+02	3.92869E+02	1.14504E+02	1.03307E+01
133	12	1.87111E+02	1.64774E+03	7.00069E+02	3.32056E+02	3.04725E+02	6.65640E+02	3.79416E+02	1.11148E+02	1.01196E+01
134	12	1.92424E+02	1.60012E+03	6.78669E+02	3.21430E+02	2.94544E+02	6.42585E+02	3.67417E+02	1.08126E+02	9.92745E+00
135	12	1.97580E+02	1.55645E+03	6.59184E+02	3.11822E+02	2.85399E+02	6.22032E+02	3.56872E+02	1.05448E+02	9.75562E+00
136	12	2.02580E+02	1.51639E+03	6.41416E+02	3.03111E+02	2.77153E+02	6.03612E+02	3.47526E+02	1.03056E+02	9.60085E+00
137	12	2.07580E+02	1.47836E+03	6.24636E+02	2.94923E+02	2.69439E+02	5.86465E+02	3.38898E+02	1.00832E+02	9.45587E+00
138	12	2.12580E+02	1.44222E+03	6.08763E+02	2.87208E+02	2.62199E+02	5.70437E+02	3.30887E+02	9.87540E+01	9.31941E+00

139	12	2.17580E+02	1.40782E+03	5.93721E+02	2.79922E+02	2.55384E+02	5.55406E+02	3.23414E+02	9.68032E+01	9.19043E+00
140	12	2.22580E+02	1.37504E+03	5.79440E+02	2.73025E+02	2.48955E+02	5.41267E+02	3.16413E+02	9.49648E+01	9.06809E+00
141	12	2.27580E+02	1.34376E+03	5.65860E+02	2.66485E+02	2.42874E+02	5.27932E+02	3.09830E+02	9.32267E+01	8.95168E+00
142	12	2.32580E+02	1.31388E+03	5.52927E+02	2.60273E+02	2.37113E+02	5.15325E+02	3.03621E+02	9.15786E+01	8.84062E+00
143	12	2.37580E+02	1.28531E+03	5.40594E+02	2.54362E+02	2.31643E+02	5.03382E+02	2.97749E+02	9.00116E+01	8.73440E+00
144	12	2.42580E+02	1.25797E+03	5.28818E+02	2.48729E+02	2.26442E+02	4.92044E+02	2.92180E+02	8.85184E+01	8.63258E+00
145	12	2.47580E+02	1.23176E+03	5.17561E+02	2.43354E+02	2.21485E+02	4.81264E+02	2.86888E+02	8.70924E+01	8.53478E+00
146	12	2.52580E+02	1.20663E+03	5.06788E+02	2.38218E+02	2.16756E+02	4.70995E+02	2.81847E+02	8.57280E+01	8.44067E+00
147	12	2.57580E+02	1.18250E+03	4.96467E+02	2.33305E+02	2.12239E+02	4.61200E+02	2.77037E+02	8.44202E+01	8.34997E+00
148	12	2.62580E+02	1.15932E+03	4.86569E+02	2.28600E+02	2.07920E+02	4.51842E+02	2.72439E+02	8.31647E+01	8.26241E+00
149	12	2.67580E+02	1.13703E+03	4.77067E+02	2.24088E+02	2.03785E+02	4.42892E+02	2.68037E+02	8.19576E+01	8.17776E+00
150	12	2.72580E+02	1.11558E+03	4.67938E+02	2.19759E+02	1.99821E+02	4.34320E+02	2.63816E+02	8.07954E+01	8.09583E+00
151	12	2.77580E+02	1.09492E+03	4.59155E+02	2.15599E+02	1.96018E+02	4.26101E+02	2.59764E+02	7.96750E+01	8.01642E+00
152	12	2.82580E+02	1.07501E+03	4.50707E+02	2.11600E+02	1.92364E+02	4.18212E+02	2.55867E+02	7.85937E+01	7.93937E+00
153	12	2.87580E+02	1.05581E+03	4.42567E+02	2.07751E+02	1.88852E+02	4.10632E+02	2.52117E+02	7.75488E+01	7.86454E+00
154	12	2.92580E+02	1.03728E+03	4.34722E+02	2.04043E+02	1.85472E+02	4.03342E+02	2.48503E+02	7.65382E+01	7.79178E+00
155	12	2.97580E+02	1.01938E+03	4.27154E+02	2.00470E+02	1.82216E+02	3.96325E+02	2.45017E+02	7.55598E+01	7.72097E+00
156	12	3.02580E+02	1.00209E+03	4.19844E+02	1.97023E+02	1.79078E+02	3.89564E+02	2.41650E+02	7.46116E+01	7.65199E+00
157	12	3.07580E+02	9.85366E+02	4.12783E+02	1.93695E+02	1.76051E+02	3.83046E+02	2.38396E+02	7.36919E+01	7.58476E+00
158	12	3.12580E+02	9.69188E+02	4.05958E+02	1.90480E+02	1.73129E+02	3.76755E+02	2.35249E+02	7.27992E+01	7.51916E+00
159	12	3.17580E+02	9.53529E+02	3.99357E+02	1.87373E+02	1.70306E+02	3.70680E+02	2.32201E+02	7.19320E+01	7.45511E+00
160	12	3.22580E+02	9.38362E+02	3.92966E+02	1.84367E+02	1.67577E+02	3.64810E+02	2.29248E+02	7.10890E+01	7.39253E+00
161	12	3.27580E+02	9.23662E+02	3.86778E+02	1.81458E+02	1.64936E+02	3.59133E+02	2.26385E+02	7.02688E+01	7.33136E+00
162	12	3.32580E+02	9.09408E+02	3.80784E+02	1.78642E+02	1.62379E+02	3.53640E+02	2.23607E+02	6.94704E+01	7.27150E+00
163	12	3.37580E+02	8.95585E+02	3.74973E+02	1.75912E+02	1.59901E+02	3.48322E+02	2.20909E+02	6.86927E+01	7.21291E+00
164	12	3.42580E+02	8.82172E+02	3.69338E+02	1.73266E+02	1.57501E+02	3.43170E+02	2.18287E+02	6.79347E+01	7.15552E+00
165	12	3.47580E+02	8.69152E+02	3.63870E+02	1.70700E+02	1.55175E+02	3.38175E+02	2.15739E+02	6.71955E+01	7.09929E+00
166	12	3.52580E+02	8.56502E+02	3.58561E+02	1.68210E+02	1.52918E+02	3.33331E+02	2.13259E+02	6.64742E+01	7.04414E+00
167	12	3.57580E+02	8.44208E+02	3.53405E+02	1.65792E+02	1.50727E+02	3.28631E+02	2.10846E+02	6.57700E+01	6.99004E+00
168	12	3.62580E+02	8.32269E+02	3.48395E+02	1.63443E+02	1.48600E+02	3.24067E+02	2.08495E+02	6.50821E+01	6.93695E+00
169	12	3.67580E+02	8.20658E+02	3.43525E+02	1.61161E+02	1.46534E+02	3.19634E+02	2.06205E+02	6.44100E+01	6.88481E+00
170	12	3.72580E+02	8.09363E+02	3.38789E+02	1.58942E+02	1.44525E+02	3.15327E+02	2.03972E+02	6.37528E+01	6.83359E+00
171	12	3.77580E+02	7.98379E+02	3.34182E+02	1.56784E+02	1.42573E+02	3.11138E+02	2.01795E+02	6.31100E+01	6.78326E+00
172	12	3.82580E+02	7.87678E+02	3.29697E+02	1.54684E+02	1.40673E+02	3.07065E+02	1.99670E+02	6.24810E+01	6.73377E+00
173	12	3.87580E+02	7.77258E+02	3.25331E+02	1.52640E+02	1.38825E+02	3.03101E+02	1.97595E+02	6.18652E+01	6.68509E+00
174	12	3.92580E+02	7.67110E+02	3.21078E+02	1.50650E+02	1.37025E+02	2.99242E+02	1.95569E+02	6.12622E+01	6.63719E+00
175	12	3.97580E+02	7.57211E+02	3.16934E+02	1.48711E+02	1.35272E+02	2.95485E+02	1.93589E+02	6.06714E+01	6.59005E+00
176	12	4.02580E+02	7.47560E+02	3.12895E+02	1.46822E+02	1.33565E+02	2.91816E+02	1.91654E+02	6.00924E+01	6.54363E+00
177	12	4.07580E+02	7.38148E+02	3.08957E+02	1.44980E+02	1.31900E+02	2.88235E+02	1.89761E+02	5.95247E+01	6.49790E+00
178	12	4.12580E+02	7.28965E+02	3.05116E+02	1.43184E+02	1.30278E+02	2.84744E+02	1.87910E+02	5.89679E+01	6.45285E+00
179	12	4.17580E+02	7.20004E+02	3.01369E+02	1.41432E+02	1.28695E+02	2.81342E+02	1.86099E+02	5.84217E+01	6.40844E+00
180	12	4.22580E+02	7.11256E+02	2.97711E+02	1.39723E+02	1.27152E+02	2.78023E+02	1.84326E+02	5.78856E+01	6.36466E+00
181	12	4.27580E+02	7.02715E+02	2.94140E+02	1.38055E+02	1.25645E+02	2.74783E+02	1.82589E+02	5.73594E+01	6.32148E+00
182	12	4.32580E+02	6.94372E+02	2.90652E+02	1.36426E+02	1.24174E+02	2.71620E+02	1.80888E+02	5.68425E+01	6.27889E+00
183	12	4.37580E+02	6.86220E+02	2.87245E+02	1.34835E+02	1.22738E+02	2.68545E+02	1.79222E+02	5.63349E+01	6.23686E+00
184	12	4.42580E+02	6.78255E+02	2.83915E+02	1.33281E+02	1.21335E+02	2.65542E+02	1.77588E+02	5.58361E+01	6.19537E+00
185	12	4.47580E+02	6.70468E+02	2.80660E+02	1.31762E+02	1.19964E+02	2.62592E+02	1.75986E+02	5.53458E+01	6.15441E+00
186	12	4.52580E+02	6.62854E+02	2.77479E+02	1.30277E+02	1.18624E+02	2.59709E+02	1.74415E+02	5.48638E+01	6.11396E+00
187	12	4.57580E+02	6.55407E+02	2.74370E+02	1.28826E+02	1.17314E+02	2.56904E+02	1.72874E+02	5.43899E+01	6.07401E+00
188	12	4.62580E+02	6.48122E+02	2.71329E+02	1.27406E+02	1.16033E+02	2.54160E+02	1.71361E+02	5.39237E+01	6.03453E+00
189	12	4.67580E+02	6.40994E+02	2.68353E+02	1.26018E+02	1.14780E+02	2.51463E+02	1.69876E+02	5.34650E+01	5.99552E+00
190	12	4.72580E+02	6.34017E+02	2.65443E+02	1.24659E+02	1.13554E+02	2.48824E+02	1.68419E+02	5.30135E+01	5.95695E+00
191	12	4.77580E+02	6.27187E+02	2.62594E+02	1.23329E+02	1.12355E+02	2.46253E+02	1.66987E+02	5.25692E+01	5.91883E+00
192	12	4.82580E+02	6.20499E+02	2.59805E+02	1.22027E+02	1.11180E+02	2.43736E+02	1.65580E+02	5.21317E+01	5.88112E+00
193	12	4.87580E+02	6.13949E+02	2.57074E+02	1.20752E+02	1.10030E+02	2.41259E+02	1.64198E+02	5.17009E+01	5.84383E+00
194	12	4.92580E+02	6.07532E+02	2.54399E+02	1.19504E+02	1.08904E+02	2.38845E+02	1.62840E+02	5.12765E+01	5.80693E+00
195	12	4.97580E+02	6.01245E+02	2.51778E+02	1.18281E+02	1.07802E+02	2.36480E+02	1.61505E+02	5.08584E+01	5.77043E+00
196	12	5.02580E+02	5.95084E+02	2.49210E+02	1.17082E+02	1.06721E+02	2.34152E+02	1.60192E+02	5.04463E+01	5.73429E+00
197	12	5.07580E+02	5.89044E+02	2.46693E+02	1.15908E+02	1.05662E+02	2.31880E+02	1.58900E+02	5.00402E+01	5.69853E+00
198	12	5.12580E+02	5.83122E+02	2.44226E+02	1.14757E+02	1.04624E+02	2.29654E+02	1.57630E+02	4.96399E+01	5.66312E+00

199	12	5.17580E+02	5.77316E+02	2.41807E+02	1.13628E+02	1.03606E+02	2.27460E+02	1.56380E+02	4.92452E+01	5.62806E+00
200	12	5.22580E+02	5.71620E+02	2.39434E+02	1.12521E+02	1.02609E+02	2.25319E+02	1.55150E+02	4.88559E+01	5.59333E+00
201	12	5.27580E+02	5.66033E+02	2.37107E+02	1.11436E+02	1.01630E+02	2.23219E+02	1.53938E+02	4.84719E+01	5.55893E+00
202	12	5.32580E+02	5.60551E+02	2.34824E+02	1.10370E+02	1.00670E+02	2.21149E+02	1.52746E+02	4.80930E+01	5.52485E+00
203	12	5.37580E+02	5.55172E+02	2.32584E+02	1.09325E+02	9.97280E+01	2.19127E+02	1.51572E+02	4.77192E+01	5.49109E+00
204	12	5.42580E+02	5.49892E+02	2.30385E+02	1.08300E+02	9.88037E+01	2.17143E+02	1.50415E+02	4.73503E+01	5.45762E+00
205	12	5.47580E+02	5.44709E+02	2.28227E+02	1.07293E+02	9.78965E+01	2.15185E+02	1.49276E+02	4.69861E+01	5.42445E+00
206	12	5.52580E+02	5.39619E+02	2.26109E+02	1.06305E+02	9.70059E+01	2.13273E+02	1.48153E+02	4.66266E+01	5.39156E+00
207	12	5.57580E+02	5.34622E+02	2.24029E+02	1.05335E+02	9.61315E+01	2.11395E+02	1.47047E+02	4.62716E+01	5.35896E+00
208	12	5.62580E+02	5.29713E+02	2.21986E+02	1.04382E+02	9.52728E+01	2.09540E+02	1.45956E+02	4.59211E+01	5.32663E+00
209	12	5.67580E+02	5.24891E+02	2.19979E+02	1.03446E+02	9.44294E+01	2.07729E+02	1.44881E+02	4.55748E+01	5.29456E+00
210	12	5.72580E+02	5.20153E+02	2.18008E+02	1.02527E+02	9.36009E+01	2.05949E+02	1.43821E+02	4.52327E+01	5.26276E+00
211	12	5.77580E+02	5.15498E+02	2.16071E+02	1.01623E+02	9.27869E+01	2.04190E+02	1.42775E+02	4.48948E+01	5.23120E+00
212	12	5.82580E+02	5.10923E+02	2.14167E+02	1.00735E+02	9.19870E+01	2.02470E+02	1.41744E+02	4.45608E+01	5.19990E+00
213	12	5.87580E+02	5.06426E+02	2.12296E+02	9.98628E+01	9.12008E+01	2.00780E+02	1.40727E+02	4.42308E+01	5.16884E+00
214	12	5.92580E+02	5.02005E+02	2.10457E+02	9.90052E+01	9.04280E+01	1.99109E+02	1.39723E+02	4.39045E+01	5.13801E+00
215	12	5.97580E+02	4.97658E+02	2.08649E+02	9.81619E+01	8.96683E+01	1.97475E+02	1.38732E+02	4.35820E+01	5.10741E+00
216	12	6.02580E+02	4.93383E+02	2.06871E+02	9.73328E+01	8.89213E+01	1.95868E+02	1.37754E+02	4.32631E+01	5.07704E+00
217	12	6.07580E+02	4.89179E+02	2.05123E+02	9.65174E+01	8.81868E+01	1.94287E+02	1.36789E+02	4.29477E+01	5.04688E+00
218	12	6.12580E+02	4.85043E+02	2.03403E+02	9.57154E+01	8.74643E+01	1.92732E+02	1.35836E+02	4.26359E+01	5.01694E+00
219	12	6.17580E+02	4.80975E+02	2.01710E+02	9.49265E+01	8.67537E+01	1.91194E+02	1.34894E+02	4.23274E+01	4.98721E+00
220	12	6.22580E+02	4.76972E+02	2.00045E+02	9.41503E+01	8.60545E+01	1.89688E+02	1.33965E+02	4.20222E+01	4.95769E+00
221	12	6.27580E+02	4.73033E+02	1.98407E+02	9.33866E+01	8.53666E+01	1.88207E+02	1.33047E+02	4.17203E+01	4.92836E+00
222	12	6.32580E+02	4.69157E+02	1.96793E+02	9.26350E+01	8.46896E+01	1.86748E+02	1.32140E+02	4.14216E+01	4.89923E+00
223	12	6.37580E+02	4.65341E+02	1.95205E+02	9.18953E+01	8.40233E+01	1.85313E+02	1.31243E+02	4.11259E+01	4.87029E+00
224	12	6.42580E+02	4.61585E+02	1.93642E+02	9.11672E+01	8.33675E+01	1.83891E+02	1.30358E+02	4.08333E+01	4.84154E+00
225	12	6.47580E+02	4.57887E+02	1.92107E+02	9.04504E+01	8.27219E+01	1.82499E+02	1.29482E+02	4.05437E+01	4.81297E+00
226	12	6.52580E+02	4.54245E+02	1.90597E+02	8.97446E+01	8.20862E+01	1.81128E+02	1.28617E+02	4.02570E+01	4.78458E+00
227	12	6.57580E+02	4.50660E+02	1.89107E+02	8.90496E+01	8.14602E+01	1.79777E+02	1.27761E+02	3.99731E+01	4.75636E+00
228	12	6.62580E+02	4.47128E+02	1.87639E+02	8.83652E+01	8.08437E+01	1.78447E+02	1.26916E+02	3.96920E+01	4.72832E+00
229	12	6.67580E+02	4.43649E+02	1.86193E+02	8.76910E+01	8.02366E+01	1.77137E+02	1.26079E+02	3.94136E+01	4.70044E+00
230	12	6.72580E+02	4.40222E+02	1.84768E+02	8.70270E+01	7.96385E+01	1.75846E+02	1.25252E+02	3.91379E+01	4.67273E+00
231	12	6.77580E+02	4.36846E+02	1.83364E+02	8.63728E+01	7.90493E+01	1.74573E+02	1.24434E+02	3.88648E+01	4.64518E+00
232	12	6.82580E+02	4.33519E+02	1.81980E+02	8.57282E+01	7.84687E+01	1.73319E+02	1.23624E+02	3.85943E+01	4.61778E+00
233	12	6.87580E+02	4.30241E+02	1.80615E+02	8.50930E+01	7.78967E+01	1.72083E+02	1.22823E+02	3.83262E+01	4.59054E+00
234	12	6.92580E+02	4.27010E+02	1.79271E+02	8.44670E+01	7.73330E+01	1.70865E+02	1.22031E+02	3.80607E+01	4.56345E+00
235	12	6.97580E+02	4.23826E+02	1.77944E+02	8.38501E+01	7.67773E+01	1.69663E+02	1.21246E+02	3.77975E+01	4.53650E+00
236	12	7.02580E+02	4.20687E+02	1.76640E+02	8.32419E+01	7.62297E+01	1.68479E+02	1.20470E+02	3.75367E+01	4.50970E+00
237	12	7.07580E+02	4.17592E+02	1.75355E+02	8.26424E+01	7.56897E+01	1.67311E+02	1.19702E+02	3.72782E+01	4.48304E+00
238	12	7.12580E+02	4.14541E+02	1.74084E+02	8.20514E+01	7.51575E+01	1.66159E+02	1.18941E+02	3.70220E+01	4.45652E+00
239	12	7.17580E+02	4.11532E+02	1.72830E+02	8.14686E+01	7.46326E+01	1.65022E+02	1.18187E+02	3.67680E+01	4.43013E+00
240	12	7.22580E+02	4.08565E+02	1.71592E+02	8.08939E+01	7.41151E+01	1.63908E+02	1.17442E+02	3.65162E+01	4.40388E+00
241	12	7.27580E+02	4.05638E+02	1.70374E+02	8.03271E+01	7.36046E+01	1.62802E+02	1.16703E+02	3.62665E+01	4.37775E+00
242	12	7.32580E+02	4.02751E+02	1.69174E+02	7.97681E+01	7.31012E+01	1.61711E+02	1.15971E+02	3.60189E+01	4.35175E+00
243	12	7.37580E+02	3.99904E+02	1.67991E+02	7.92167E+01	7.26046E+01	1.60635E+02	1.15246E+02	3.57734E+01	4.32588E+00
244	12	7.42580E+02	3.97094E+02	1.66824E+02	7.86728E+01	7.21147E+01	1.59572E+02	1.14528E+02	3.55299E+01	4.30013E+00
245	12	7.47580E+02	3.94322E+02	1.65671E+02	7.81361E+01	7.16322E+01	1.58530E+02	1.13816E+02	3.52883E+01	4.27449E+00
246	12	7.52580E+02	3.91587E+02	1.64534E+02	7.76066E+01	7.11560E+01	1.57495E+02	1.13111E+02	3.50487E+01	4.24898E+00
247	12	7.57580E+02	3.88887E+02	1.63412E+02	7.70841E+01	7.06855E+01	1.56473E+02	1.12413E+02	3.48110E+01	4.22358E+00
248	12	7.62580E+02	3.86223E+02	1.62304E+02	7.65685E+01	7.02211E+01	1.55470E+02	1.11720E+02	3.45752E+01	4.19829E+00
249	12	7.67580E+02	3.83592E+02	1.61210E+02	7.60597E+01	6.97628E+01	1.54474E+02	1.11033E+02	3.43412E+01	4.17310E+00
250	12	7.72580E+02	3.80996E+02	1.60130E+02	7.55574E+01	6.93111E+01	1.53491E+02	1.10353E+02	3.41090E+01	4.14803E+00
251	12	7.77580E+02	3.78432E+02	1.59064E+02	7.50616E+01	6.88653E+01	1.52525E+02	1.09678E+02	3.38785E+01	4.12306E+00
252	12	7.82580E+02	3.75902E+02	1.58012E+02	7.45722E+01	6.84245E+01	1.51572E+02	1.09008E+02	3.36498E+01	4.09819E+00
253	12	7.87580E+02	3.73403E+02	1.56974E+02	7.40890E+01	6.79893E+01	1.50625E+02	1.08345E+02	3.34228E+01	4.07343E+00
254	12	7.92580E+02	3.70937E+02	1.55948E+02	7.36120E+01	6.75602E+01	1.49689E+02	1.07686E+02	3.31974E+01	4.04876E+00
255	12	7.97580E+02	3.68502E+02	1.54935E+02	7.31409E+01	6.71364E+01	1.48770E+02	1.07033E+02	3.29737E+01	4.02419E+00
256	12	8.02580E+02	3.66097E+02	1.53936E+02	7.26757E+01	6.67174E+01	1.47861E+02	1.06385E+02	3.27515E+01	3.99971E+00
257	12	8.07580E+02	3.63722E+02	1.52948E+02	7.22163E+01	6.63042E+01	1.46964E+02	1.05743E+02	3.25310E+01	3.97533E+00
258	12	8.12580E+02	3.61381E+02	1.51973E+02	7.17626E+01	6.58960E+01	1.46078E+02	1.05105E+02	3.23120E+01	3.95103E+00

259	12	8.17580E+02	3.59070E+02	1.51009E+02	7.13144E+01	6.54923E+01	1.45202E+02	1.04472E+02	3.20945E+01	3.92682E+00
260	12	8.22580E+02	3.56781E+02	1.50057E+02	7.08717E+01	6.50940E+01	1.44337E+02	1.03844E+02	3.18785E+01	3.90270E+00
261	12	8.27580E+02	3.54519E+02	1.49117E+02	7.04344E+01	6.47005E+01	1.43481E+02	1.03220E+02	3.16639E+01	3.87866E+00
262	12	8.32580E+02	3.52283E+02	1.48188E+02	7.00024E+01	6.43118E+01	1.42636E+02	1.02601E+02	3.14508E+01	3.85471E+00
263	12	8.37580E+02	3.50073E+02	1.47270E+02	6.95755E+01	6.39281E+01	1.41801E+02	1.01987E+02	3.12391E+01	3.83083E+00
264	12	8.42580E+02	3.47888E+02	1.46363E+02	6.91537E+01	6.35491E+01	1.40975E+02	1.01377E+02	3.10287E+01	3.80703E+00
265	12	8.47580E+02	3.45728E+02	1.45466E+02	6.87369E+01	6.31745E+01	1.40159E+02	1.00771E+02	3.08197E+01	3.78331E+00
266	12	8.52580E+02	3.43591E+02	1.44580E+02	6.83251E+01	6.28043E+01	1.39352E+02	1.00169E+02	3.06121E+01	3.75967E+00
267	12	8.57580E+02	3.41478E+02	1.43705E+02	6.79180E+01	6.24384E+01	1.38554E+02	9.95712E+01	3.04057E+01	3.73609E+00
268	12	8.62580E+02	3.39393E+02	1.42839E+02	6.75157E+01	6.20767E+01	1.37765E+02	9.89775E+01	3.02006E+01	3.71259E+00
269	12	8.67580E+02	3.37335E+02	1.41984E+02	6.71180E+01	6.17192E+01	1.36985E+02	9.83877E+01	2.99968E+01	3.68916E+00
270	12	8.72580E+02	3.35301E+02	1.41138E+02	6.67250E+01	6.13658E+01	1.36214E+02	9.78016E+01	2.97941E+01	3.66579E+00
271	12	8.77580E+02	3.33289E+02	1.40302E+02	6.63364E+01	6.10164E+01	1.35451E+02	9.72193E+01	2.95927E+01	3.64248E+00
272	12	8.82580E+02	3.31299E+02	1.39475E+02	6.59522E+01	6.06710E+01	1.34697E+02	9.66405E+01	2.93925E+01	3.61925E+00
273	12	8.87580E+02	3.29330E+02	1.38658E+02	6.55725E+01	6.03295E+01	1.33951E+02	9.60654E+01	2.91934E+01	3.59607E+00
274	12	8.92580E+02	3.27383E+02	1.37849E+02	6.51970E+01	5.99917E+01	1.33212E+02	9.54936E+01	2.89954E+01	3.57295E+00
275	12	8.97580E+02	3.25458E+02	1.37050E+02	6.48257E+01	5.96578E+01	1.32482E+02	9.49252E+01	2.87986E+01	3.54989E+00
276	12	9.02580E+02	3.23555E+02	1.36260E+02	6.44585E+01	5.93275E+01	1.31760E+02	9.43600E+01	2.86028E+01	3.52688E+00
277	12	9.07580E+02	3.21674E+02	1.35478E+02	6.40955E+01	5.90008E+01	1.31045E+02	9.37981E+01	2.84081E+01	3.50393E+00
278	12	9.12580E+02	3.19813E+02	1.34705E+02	6.37364E+01	5.86777E+01	1.30338E+02	9.32393E+01	2.82144E+01	3.48103E+00
279	12	9.17580E+02	3.17972E+02	1.33940E+02	6.33813E+01	5.83581E+01	1.29638E+02	9.26834E+01	2.80218E+01	3.45818E+00
280	12	9.22580E+02	3.16151E+02	1.33185E+02	6.30300E+01	5.80420E+01	1.28945E+02	9.21305E+01	2.78301E+01	3.43538E+00
281	12	9.27580E+02	3.14350E+02	1.32437E+02	6.26826E+01	5.77292E+01	1.28260E+02	9.15805E+01	2.76394E+01	3.41262E+00
282	12	9.32580E+02	3.12568E+02	1.31697E+02	6.23390E+01	5.74198E+01	1.27581E+02	9.10332E+01	2.74496E+01	3.38991E+00
283	12	9.37580E+02	3.10805E+02	1.30965E+02	6.19990E+01	5.71136E+01	1.26910E+02	9.04886E+01	2.72608E+01	3.36724E+00
284	12	9.42580E+02	3.09061E+02	1.30240E+02	6.16627E+01	5.68107E+01	1.26245E+02	8.99465E+01	2.70729E+01	3.34461E+00
285	12	9.47580E+02	3.07335E+02	1.29524E+02	6.13298E+01	5.65110E+01	1.25587E+02	8.94071E+01	2.68858E+01	3.32201E+00
286	12	9.52580E+02	3.05627E+02	1.28814E+02	6.10005E+01	5.62143E+01	1.24935E+02	8.88700E+01	2.66996E+01	3.29946E+00
287	12	9.57580E+02	3.03936E+02	1.28112E+02	6.06747E+01	5.59208E+01	1.24290E+02	8.83353E+01	2.65143E+01	3.27693E+00
288	12	9.62580E+02	3.02264E+02	1.27418E+02	6.03523E+01	5.56302E+01	1.23651E+02	8.78028E+01	2.63297E+01	3.25444E+00
289	12	9.67580E+02	3.00608E+02	1.26730E+02	6.00332E+01	5.53427E+01	1.23018E+02	8.72725E+01	2.61460E+01	3.23197E+00
290	12	9.72580E+02	2.98970E+02	1.26050E+02	5.97174E+01	5.50580E+01	1.22392E+02	8.67443E+01	2.59629E+01	3.20953E+00
291	12	9.77580E+02	2.97348E+02	1.25377E+02	5.94049E+01	5.47763E+01	1.21771E+02	8.62180E+01	2.57807E+01	3.18712E+00
292	12	9.82580E+02	2.95743E+02	1.24710E+02	5.90955E+01	5.44975E+01	1.21156E+02	8.56937E+01	2.55991E+01	3.16472E+00
293	12	9.87580E+02	2.94154E+02	1.24051E+02	5.87894E+01	5.42216E+01	1.20547E+02	8.51712E+01	2.54182E+01	3.14234E+00
294	12	9.92580E+02	2.92582E+02	1.23398E+02	5.84863E+01	5.39486E+01	1.19944E+02	8.46504E+01	2.52380E+01	3.11998E+00
295	12	9.97580E+02	2.91025E+02	1.22752E+02	5.81863E+01	5.36783E+01	1.19346E+02	8.41312E+01	2.50584E+01	3.09763E+00
296	12	1.00258E+03	2.89483E+02	1.22112E+02	5.78893E+01	5.34107E+01	1.18753E+02	8.36135E+01	2.48795E+01	3.07529E+00
297	12	1.00758E+03	2.87957E+02	1.21478E+02	5.75953E+01	5.31457E+01	1.18166E+02	8.30972E+01	2.47011E+01	3.05296E+00
298	12	1.01258E+03	2.86446E+02	1.20851E+02	5.73043E+01	5.28834E+01	1.17584E+02	8.25822E+01	2.45233E+01	3.03063E+00
299	12	1.01758E+03	2.84950E+02	1.20230E+02	5.70161E+01	5.26237E+01	1.17008E+02	8.20684E+01	2.43460E+01	3.00829E+00
300	12	1.02258E+03	2.83468E+02	1.19616E+02	5.67308E+01	5.23665E+01	1.16436E+02	8.15557E+01	2.41692E+01	2.98596E+00
301	12	1.02758E+03	2.82001E+02	1.19007E+02	5.64483E+01	5.21117E+01	1.15869E+02	8.10440E+01	2.39929E+01	2.96361E+00
302	12	1.03258E+03	2.80549E+02	1.18404E+02	5.61685E+01	5.18595E+01	1.15307E+02	8.05331E+01	2.38170E+01	2.94126E+00
303	12	1.03758E+03	2.79110E+02	1.17807E+02	5.58915E+01	5.16097E+01	1.14750E+02	8.00229E+01	2.36415E+01	2.91889E+00
304	12	1.04258E+03	2.77686E+02	1.17216E+02	5.56172E+01	5.13623E+01	1.14197E+02	7.95134E+01	2.34664E+01	2.89650E+00
305	12	1.04758E+03	2.76276E+02	1.16631E+02	5.53455E+01	5.11172E+01	1.13649E+02	7.90043E+01	2.32917E+01	2.87408E+00
306	12	1.05258E+03	2.74881E+02	1.16051E+02	5.50764E+01	5.08744E+01	1.13105E+02	7.84955E+01	2.31172E+01	2.85164E+00
307	12	1.05758E+03	2.73500E+02	1.15477E+02	5.48100E+01	5.06340E+01	1.12565E+02	7.79869E+01	2.29431E+01	2.82916E+00
308	12	1.06258E+03	2.72132E+02	1.14909E+02	5.45461E+01	5.03958E+01	1.12030E+02	7.74783E+01	2.27691E+01	2.80664E+00
309	12	1.06758E+03	2.70777E+02	1.14346E+02	5.42847E+01	5.01598E+01	1.11499E+02	7.69696E+01	2.25954E+01	2.78407E+00
310	12	1.07258E+03	2.69434E+02	1.13788E+02	5.40257E+01	4.99260E+01	1.10972E+02	7.64605E+01	2.24218E+01	2.76145E+00
311	12	1.07758E+03	2.68104E+02	1.13235E+02	5.37692E+01	4.96943E+01	1.10448E+02	7.59510E+01	2.22484E+01	2.73878E+00
312	12	1.08258E+03	2.66786E+02	1.12688E+02	5.35152E+01	4.94648E+01	1.09929E+02	7.54408E+01	2.20750E+01	2.71604E+00
313	12	1.08758E+03	2.65480E+02	1.12146E+02	5.32635E+01	4.92373E+01	1.09413E+02	7.49297E+01	2.19016E+01	2.69323E+00
314	12	1.09258E+03	2.64187E+02	1.11609E+02	5.30141E+01	4.90120E+01	1.08900E+02	7.44176E+01	2.17282E+01	2.67033E+00
315	12	1.09758E+03	2.62905E+02	1.11077E+02	5.27671E+01	4.87886E+01	1.08391E+02	7.39041E+01	2.15548E+01	2.64736E+00
316	12	1.10258E+03	2.61635E+02	1.10550E+02	5.25224E+01	4.85673E+01	1.07886E+02	7.33892E+01	2.13812E+01	2.62428E+00
317	12	1.10758E+03	2.60376E+02	1.10028E+02	5.22799E+01	4.83479E+01	1.07383E+02	7.28724E+01	2.12074E+01	2.60111E+00
318	12	1.11258E+03	2.59129E+02	1.09510E+02	5.20396E+01	4.81304E+01	1.06884E+02	7.23537E+01	2.10334E+01	2.57781E+00

319	12	1.11758E+03	2.57894E+02	1.08998E+02	5.18015E+01	4.79149E+01	1.06387E+02	7.18326E+01	2.08591E+01	2.55440E+00
320	12	1.12258E+03	2.56669E+02	1.08490E+02	5.15657E+01	4.77013E+01	1.05894E+02	7.13090E+01	2.06844E+01	2.53085E+00
321	12	1.12758E+03	2.55456E+02	1.07987E+02	5.13320E+01	4.74895E+01	1.05403E+02	7.07824E+01	2.05092E+01	2.50715E+00
322	12	1.13258E+03	2.54253E+02	1.07489E+02	5.11005E+01	4.72796E+01	1.04914E+02	7.02527E+01	2.03336E+01	2.48330E+00
323	12	1.13758E+03	2.53061E+02	1.06995E+02	5.08711E+01	4.70714E+01	1.04428E+02	6.97194E+01	2.01574E+01	2.45928E+00
324	12	1.14258E+03	2.51880E+02	1.06506E+02	5.06437E+01	4.68651E+01	1.03945E+02	6.91822E+01	1.99805E+01	2.43507E+00

1 ANISN CYL W17x17 MOX - 21 PWR MPC CASE 5r1 - Pb Shield
0 TOTAL FLUX - G=GROUP NO. N= 64

INT.	ZONE	MIDPT.	G=N + 1	G=N + 2	G=N + 3
1	1	2.50000E-01	9.80256E+07	7.22916E+06	5.44876E+06
2	1	1.00000E+00	9.76643E+07	7.22175E+06	5.44515E+06
3	1	2.67567E+00	9.78914E+07	7.22632E+06	5.44737E+06
4	1	5.02700E+00	9.77263E+07	7.22305E+06	5.44578E+06
5	1	7.37833E+00	9.79122E+07	7.22669E+06	5.44755E+06
6	1	9.72967E+00	9.77038E+07	7.22266E+06	5.44560E+06
7	1	1.20810E+01	9.79356E+07	7.22708E+06	5.44775E+06
8	1	1.44323E+01	9.76795E+07	7.22226E+06	5.44540E+06
9	1	1.67837E+01	9.79610E+07	7.22748E+06	5.44794E+06
10	1	1.91350E+01	9.76531E+07	7.22186E+06	5.44521E+06
11	1	2.14863E+01	9.79885E+07	7.22788E+06	5.44813E+06
12	1	2.38377E+01	9.76243E+07	7.22146E+06	5.44502E+06
13	1	2.61890E+01	9.80186E+07	7.22829E+06	5.44832E+06
14	1	2.85403E+01	9.75927E+07	7.22105E+06	5.44482E+06
15	1	3.08917E+01	9.80519E+07	7.22870E+06	5.44852E+06
16	1	3.32430E+01	9.75578E+07	7.22065E+06	5.44462E+06
17	1	3.55943E+01	9.80886E+07	7.22910E+06	5.44872E+06
18	1	3.79457E+01	9.75189E+07	7.22024E+06	5.44443E+06
19	1	4.02970E+01	9.81297E+07	7.22952E+06	5.44892E+06
20	1	4.26483E+01	9.74754E+07	7.21982E+06	5.44423E+06
21	1	4.49997E+01	9.81758E+07	7.22993E+06	5.44911E+06
22	1	4.73510E+01	9.74264E+07	7.21940E+06	5.44403E+06
23	1	4.97023E+01	9.82278E+07	7.23035E+06	5.44931E+06
24	1	5.20537E+01	9.73712E+07	7.21898E+06	5.44383E+06
25	1	5.44050E+01	9.82866E+07	7.23077E+06	5.44951E+06
26	1	5.67563E+01	9.73084E+07	7.21856E+06	5.44363E+06
27	1	5.91077E+01	9.83534E+07	7.23120E+06	5.44971E+06
28	1	6.14590E+01	9.72369E+07	7.21813E+06	5.44343E+06
29	1	6.38103E+01	9.84296E+07	7.23163E+06	5.44992E+06
30	1	6.61617E+01	9.71551E+07	7.21770E+06	5.44323E+06
31	1	6.85130E+01	9.85165E+07	7.23207E+06	5.45012E+06
32	1	7.08643E+01	9.70608E+07	7.21726E+06	5.44302E+06
33	1	7.27900E+01	9.90970E+07	7.23699E+06	5.45247E+06
34	1	7.37900E+01	9.29969E+07	7.18480E+06	5.42755E+06
0					
35	2	7.43575E+01	5.13266E+06	1.55962E+04	2.49781E+03
36	2	7.49925E+01	2.54314E+06	8.85265E+01	2.39889E-01
37	2	7.56275E+01	2.32046E+06	8.15578E+01	2.40768E-01
38	2	7.62625E+01	1.59846E+06	5.60023E+01	2.38269E-01
0					
39	3	7.68300E+01	2.07452E+06	9.09274E+01	2.83073E-01
40	3	7.73300E+01	2.05799E+06	9.03105E+01	2.80608E-01
41	3	7.78300E+01	2.04257E+06	8.96204E+01	2.78045E-01
0					
42	4	7.83300E+01	1.16445E+06	3.80038E+01	1.15502E-01
43	4	7.88300E+01	7.94125E+05	2.58265E+01	1.13403E-01
44	4	7.93300E+01	6.92189E+05	2.27684E+01	1.11914E-01
45	4	7.98300E+01	5.24934E+05	1.72759E+01	1.10026E-01
0					
46	5	8.03300E+01	5.98385E+05	2.33379E+01	3.22074E-01
47	5	8.10800E+01	4.44705E+05	1.75940E+01	3.16551E-01

48	5	8.20800E+01	2.88960E+05	1.19675E+01	3.08223E-01
49	5	8.30800E+01	1.75351E+05	7.70522E+00	2.99094E-01
50	5	8.40800E+01	1.13472E+05	5.47846E+00	2.88866E-01
51	5	8.50800E+01	6.75303E+04	3.70295E+00	2.78380E-01
52	5	8.60800E+01	4.41876E+04	2.84468E+00	2.67814E-01
53	5	8.70800E+01	2.61394E+04	2.11216E+00	2.58547E-01
54	5	8.80800E+01	1.71537E+04	1.77795E+00	2.51607E-01
55	5	8.90800E+01	9.70920E+03	1.47332E+00	2.49805E-01
56	5	8.98300E+01	6.26526E+03	1.39269E+00	2.53442E-01
0					
57	6	9.03300E+01	3.00104E+03	9.89907E-01	3.48699E-01
58	6	9.08300E+01	3.04002E+03	1.00443E+00	3.48110E-01
59	6	9.20800E+01	3.13125E+03	1.03872E+00	3.46852E-01
60	6	9.41425E+01	3.26891E+03	1.09105E+00	3.45086E-01
61	6	9.62675E+01	3.39709E+03	1.14074E+00	3.43686E-01
62	6	9.83925E+01	3.51456E+03	1.18717E+00	3.42621E-01
63	6	1.00517E+02	3.61391E+03	1.22743E+00	3.41822E-01
64	6	1.02642E+02	3.69535E+03	1.26142E+00	3.41247E-01
65	6	1.04767E+02	3.76514E+03	1.29139E+00	3.40867E-01
66	6	1.06892E+02	3.82575E+03	1.31822E+00	3.40664E-01
67	6	1.09017E+02	3.87699E+03	1.34175E+00	3.40630E-01
68	6	1.11142E+02	3.92037E+03	1.36253E+00	3.40762E-01
69	6	1.13267E+02	3.95790E+03	1.38127E+00	3.41065E-01
70	6	1.15392E+02	3.99016E+03	1.39819E+00	3.41552E-01
71	6	1.17517E+02	4.01640E+03	1.41301E+00	3.42239E-01
72	6	1.19080E+02	4.03253E+03	1.42282E+00	3.42864E-01
73	6	1.19830E+02	4.03905E+03	1.42711E+00	3.43216E-01
0					
74	7	1.20330E+02	2.41751E+03	9.47033E-01	1.78449E-01
0					
75	8	1.20838E+02	1.71022E+01	1.28437E-03	1.75723E-05
76	8	1.21355E+02	1.57914E-01	1.96119E-05	7.63809E-06
77	8	1.21872E+02	1.03818E-01	1.82054E-05	7.18429E-06
78	8	1.22388E+02	4.86664E-02	1.66658E-05	6.72879E-06
79	8	1.22905E+02	3.53395E-02	1.56389E-05	6.32079E-06
80	8	1.23422E+02	1.93019E-02	1.44817E-05	5.91115E-06
81	8	1.23938E+02	1.48071E-02	1.36087E-05	5.54499E-06
82	8	1.24455E+02	8.71046E-03	1.26223E-05	5.17678E-06
83	8	1.24972E+02	6.91387E-03	1.18516E-05	4.84799E-06
84	8	1.25488E+02	4.22686E-03	1.09786E-05	4.51624E-06
85	8	1.26005E+02	3.46156E-03	1.02869E-05	4.21960E-06
86	8	1.26522E+02	2.14997E-03	9.49852E-06	3.91838E-06
87	8	1.27038E+02	1.91280E-03	8.86648E-06	3.64724E-06
88	8	1.27555E+02	1.27471E-03	8.13769E-06	3.36848E-06
89	8	1.28072E+02	3.50755E+01	1.51321E-02	5.55176E-05
0					
90	9	1.28584E+02	3.02522E+03	9.19808E+00	1.01598E-01
91	9	1.29092E+02	3.66133E+03	1.22955E+01	1.64053E-01
92	9	1.29601E+02	4.22838E+03	1.49046E+01	2.07586E-01
93	9	1.30109E+02	4.73413E+03	1.71687E+01	2.44174E-01
94	9	1.30618E+02	5.18234E+03	1.91625E+01	2.75515E-01
95	9	1.31126E+02	5.57783E+03	2.09231E+01	3.02634E-01
96	9	1.31634E+02	5.92384E+03	2.24697E+01	3.26120E-01
97	9	1.32143E+02	6.22256E+03	2.38134E+01	3.46324E-01
98	9	1.32651E+02	6.47555E+03	2.49606E+01	3.63460E-01
99	9	1.33159E+02	6.68401E+03	2.59157E+01	3.77665E-01
100	9	1.33667E+02	6.84890E+03	2.66822E+01	3.89035E-01
101	9	1.34176E+02	6.97115E+03	2.72630E+01	3.97641E-01
102	9	1.34684E+02	7.05149E+03	2.76610E+01	4.03543E-01
103	9	1.35193E+02	7.09080E+03	2.78793E+01	4.06795E-01

104	9	1.35701E+02	7.08992E+03	2.79209E+01	4.07446E-01
105	9	1.36209E+02	7.04975E+03	2.77889E+01	4.05544E-01
106	9	1.36717E+02	6.97119E+03	2.74865E+01	4.01134E-01
107	9	1.37226E+02	6.85517E+03	2.70169E+01	3.94262E-01
108	9	1.37734E+02	6.70260E+03	2.63831E+01	3.84966E-01
109	9	1.38243E+02	6.51440E+03	2.55882E+01	3.73281E-01
110	9	1.38751E+02	6.29140E+03	2.46348E+01	3.59231E-01
111	9	1.39259E+02	6.03432E+03	2.35254E+01	3.42824E-01
112	9	1.39768E+02	5.74374E+03	2.22614E+01	3.24038E-01
113	9	1.40276E+02	5.41977E+03	2.08429E+01	3.02809E-01
114	9	1.40784E+02	5.06226E+03	1.92676E+01	2.78992E-01
115	9	1.41292E+02	4.67031E+03	1.75286E+01	2.52310E-01
116	9	1.41801E+02	4.24205E+03	1.56108E+01	2.22263E-01
117	9	1.42309E+02	3.77414E+03	1.34827E+01	1.87949E-01
118	9	1.42818E+02	3.26109E+03	1.10799E+01	1.47829E-01
119	9	1.43326E+02	2.69425E+03	8.27023E+00	9.11946E-02
0					
120	10	1.43830E+02	3.30050E+01	1.41831E-02	4.87942E-05
121	10	1.44330E+02	1.45367E-03	4.50102E-06	6.53215E-07
0					
122	11	1.44830E+02	1.76824E-01	2.16365E-03	4.46873E-04
0					
123	12	1.45330E+02	3.35120E-01	2.34430E-03	4.56437E-04
124	12	1.46080E+02	3.35301E-01	2.30969E-03	4.47863E-04
125	12	1.47580E+02	3.35643E-01	2.24661E-03	4.32219E-04
126	12	1.50580E+02	3.36249E-01	2.13987E-03	4.05688E-04
127	12	1.55236E+02	3.37025E-01	2.00653E-03	3.72417E-04
128	12	1.60549E+02	3.37689E-01	1.88760E-03	3.42574E-04
129	12	1.65861E+02	3.38133E-01	1.79340E-03	3.18792E-04
130	12	1.71174E+02	3.38389E-01	1.71519E-03	2.98956E-04
131	12	1.76486E+02	3.38487E-01	1.64804E-03	2.81881E-04
132	12	1.81799E+02	3.38449E-01	1.58903E-03	2.66859E-04
133	12	1.87111E+02	3.38297E-01	1.53629E-03	2.53439E-04
134	12	1.92424E+02	3.38045E-01	1.48857E-03	2.41314E-04
135	12	1.97580E+02	3.37720E-01	1.44615E-03	2.30565E-04
136	12	2.02580E+02	3.37337E-01	1.40823E-03	2.20983E-04
137	12	2.07580E+02	3.36894E-01	1.37298E-03	2.12106E-04
138	12	2.12580E+02	3.36400E-01	1.34006E-03	2.03851E-04
139	12	2.17580E+02	3.35859E-01	1.30921E-03	1.96146E-04
140	12	2.22580E+02	3.35277E-01	1.28019E-03	1.88934E-04
141	12	2.27580E+02	3.34656E-01	1.25282E-03	1.82165E-04
142	12	2.32580E+02	3.34002E-01	1.22694E-03	1.75796E-04
143	12	2.37580E+02	3.33316E-01	1.20241E-03	1.69792E-04
144	12	2.42580E+02	3.32602E-01	1.17910E-03	1.64120E-04
145	12	2.47580E+02	3.31862E-01	1.15692E-03	1.58753E-04
146	12	2.52580E+02	3.31098E-01	1.13577E-03	1.53665E-04
147	12	2.57580E+02	3.30312E-01	1.11557E-03	1.48836E-04
148	12	2.62580E+02	3.29505E-01	1.09624E-03	1.44246E-04
149	12	2.67580E+02	3.28680E-01	1.07772E-03	1.39877E-04
150	12	2.72580E+02	3.27837E-01	1.05996E-03	1.35714E-04
151	12	2.77580E+02	3.26978E-01	1.04291E-03	1.31742E-04
152	12	2.82580E+02	3.26104E-01	1.02651E-03	1.27949E-04
153	12	2.87580E+02	3.25216E-01	1.01072E-03	1.24323E-04
154	12	2.92580E+02	3.24314E-01	9.95499E-04	1.20854E-04
155	12	2.97580E+02	3.23400E-01	9.80822E-04	1.17531E-04
156	12	3.02580E+02	3.22474E-01	9.66651E-04	1.14346E-04
157	12	3.07580E+02	3.21538E-01	9.52956E-04	1.11290E-04
158	12	3.12580E+02	3.20591E-01	9.39710E-04	1.08357E-04
159	12	3.17580E+02	3.19635E-01	9.26889E-04	1.05539E-04
160	12	3.22580E+02	3.18669E-01	9.14468E-04	1.02830E-04

161	12	3.27580E+02	3.17695E-01	9.02427E-04	1.00223E-04
162	12	3.32580E+02	3.16712E-01	8.90746E-04	9.77145E-05
163	12	3.37580E+02	3.15722E-01	8.79407E-04	9.52978E-05
164	12	3.42580E+02	3.14724E-01	8.68391E-04	9.29687E-05
165	12	3.47580E+02	3.13719E-01	8.57684E-04	9.07226E-05
166	12	3.52580E+02	3.12708E-01	8.47271E-04	8.85555E-05
167	12	3.57580E+02	3.11690E-01	8.37136E-04	8.64635E-05
168	12	3.62580E+02	3.10667E-01	8.27269E-04	8.44429E-05
169	12	3.67580E+02	3.09637E-01	8.17656E-04	8.24904E-05
170	12	3.72580E+02	3.08602E-01	8.08285E-04	8.06028E-05
171	12	3.77580E+02	3.07562E-01	7.99147E-04	7.87772E-05
172	12	3.82580E+02	3.06517E-01	7.90231E-04	7.70106E-05
173	12	3.87580E+02	3.05466E-01	7.81528E-04	7.53005E-05
174	12	3.92580E+02	3.04412E-01	7.73028E-04	7.36443E-05
175	12	3.97580E+02	3.03353E-01	7.64723E-04	7.20398E-05
176	12	4.02580E+02	3.02289E-01	7.56606E-04	7.04848E-05
177	12	4.07580E+02	3.01222E-01	7.48668E-04	6.89771E-05
178	12	4.12580E+02	3.00151E-01	7.40903E-04	6.75147E-05
179	12	4.17580E+02	2.99075E-01	7.33303E-04	6.60958E-05
180	12	4.22580E+02	2.97997E-01	7.25863E-04	6.47187E-05
181	12	4.27580E+02	2.96914E-01	7.18576E-04	6.33816E-05
182	12	4.32580E+02	2.95829E-01	7.11437E-04	6.20830E-05
183	12	4.37580E+02	2.94740E-01	7.04440E-04	6.08213E-05
184	12	4.42580E+02	2.93647E-01	6.97579E-04	5.95951E-05
185	12	4.47580E+02	2.92552E-01	6.90851E-04	5.84032E-05
186	12	4.52580E+02	2.91454E-01	6.84250E-04	5.72440E-05
187	12	4.57580E+02	2.90353E-01	6.77771E-04	5.61166E-05
188	12	4.62580E+02	2.89249E-01	6.71411E-04	5.50196E-05
189	12	4.67580E+02	2.88143E-01	6.65165E-04	5.39519E-05
190	12	4.72580E+02	2.87034E-01	6.59029E-04	5.29125E-05
191	12	4.77580E+02	2.85922E-01	6.53000E-04	5.19005E-05
192	12	4.82580E+02	2.84808E-01	6.47074E-04	5.09147E-05
193	12	4.87580E+02	2.83692E-01	6.41248E-04	4.99543E-05
194	12	4.92580E+02	2.82573E-01	6.35518E-04	4.90184E-05
195	12	4.97580E+02	2.81452E-01	6.29881E-04	4.81061E-05
196	12	5.02580E+02	2.80328E-01	6.24335E-04	4.72168E-05
197	12	5.07580E+02	2.79203E-01	6.18876E-04	4.63495E-05
198	12	5.12580E+02	2.78075E-01	6.13501E-04	4.55035E-05
199	12	5.17580E+02	2.76946E-01	6.08209E-04	4.46782E-05
200	12	5.22580E+02	2.75814E-01	6.02996E-04	4.38729E-05
201	12	5.27580E+02	2.74680E-01	5.97860E-04	4.30869E-05
202	12	5.32580E+02	2.73545E-01	5.92799E-04	4.23195E-05
203	12	5.37580E+02	2.72407E-01	5.87811E-04	4.15703E-05
204	12	5.42580E+02	2.71268E-01	5.82893E-04	4.08385E-05
205	12	5.47580E+02	2.70127E-01	5.78043E-04	4.01238E-05
206	12	5.52580E+02	2.68984E-01	5.73259E-04	3.94255E-05
207	12	5.57580E+02	2.67839E-01	5.68539E-04	3.87431E-05
208	12	5.62580E+02	2.66692E-01	5.63882E-04	3.80762E-05
209	12	5.67580E+02	2.65544E-01	5.59286E-04	3.74243E-05
210	12	5.72580E+02	2.64395E-01	5.54748E-04	3.67870E-05
211	12	5.77580E+02	2.63243E-01	5.50268E-04	3.61637E-05
212	12	5.82580E+02	2.62090E-01	5.45844E-04	3.55541E-05
213	12	5.87580E+02	2.60936E-01	5.41474E-04	3.49578E-05
214	12	5.92580E+02	2.59780E-01	5.37156E-04	3.43744E-05
215	12	5.97580E+02	2.58622E-01	5.32890E-04	3.38036E-05
216	12	6.02580E+02	2.57463E-01	5.28673E-04	3.32449E-05
217	12	6.07580E+02	2.56302E-01	5.24505E-04	3.26980E-05
218	12	6.12580E+02	2.55140E-01	5.20384E-04	3.21626E-05
219	12	6.17580E+02	2.53976E-01	5.16310E-04	3.16384E-05
220	12	6.22580E+02	2.52811E-01	5.12279E-04	3.11251E-05

221	12	6.27580E+02	2.51645E-01	5.08293E-04	3.06223E-05
222	12	6.32580E+02	2.50477E-01	5.04349E-04	3.01298E-05
223	12	6.37580E+02	2.49308E-01	5.00446E-04	2.96473E-05
224	12	6.42580E+02	2.48137E-01	4.96583E-04	2.91745E-05
225	12	6.47580E+02	2.46965E-01	4.92760E-04	2.87111E-05
226	12	6.52580E+02	2.45792E-01	4.88975E-04	2.82570E-05
227	12	6.57580E+02	2.44617E-01	4.85228E-04	2.78118E-05
228	12	6.62580E+02	2.43441E-01	4.81516E-04	2.73754E-05
229	12	6.67580E+02	2.42264E-01	4.77840E-04	2.69475E-05
230	12	6.72580E+02	2.41085E-01	4.74199E-04	2.65278E-05
231	12	6.77580E+02	2.39905E-01	4.70591E-04	2.61163E-05
232	12	6.82580E+02	2.38724E-01	4.67016E-04	2.57125E-05
233	12	6.87580E+02	2.37541E-01	4.63473E-04	2.53165E-05
234	12	6.92580E+02	2.36357E-01	4.59962E-04	2.49279E-05
235	12	6.97580E+02	2.35172E-01	4.56481E-04	2.45466E-05
236	12	7.02580E+02	2.33986E-01	4.53030E-04	2.41724E-05
237	12	7.07580E+02	2.32798E-01	4.49607E-04	2.38051E-05
238	12	7.12580E+02	2.31609E-01	4.46214E-04	2.34446E-05
239	12	7.17580E+02	2.30419E-01	4.42847E-04	2.30906E-05
240	12	7.22580E+02	2.29227E-01	4.39508E-04	2.27431E-05
241	12	7.27580E+02	2.28034E-01	4.36196E-04	2.24019E-05
242	12	7.32580E+02	2.26840E-01	4.32909E-04	2.20668E-05
243	12	7.37580E+02	2.25645E-01	4.29647E-04	2.17376E-05
244	12	7.42580E+02	2.24448E-01	4.26410E-04	2.14143E-05
245	12	7.47580E+02	2.23251E-01	4.23197E-04	2.10966E-05
246	12	7.52580E+02	2.22051E-01	4.20007E-04	2.07845E-05
247	12	7.57580E+02	2.20851E-01	4.16840E-04	2.04779E-05
248	12	7.62580E+02	2.19649E-01	4.13695E-04	2.01765E-05
249	12	7.67580E+02	2.18447E-01	4.10573E-04	1.98803E-05
250	12	7.72580E+02	2.17242E-01	4.07471E-04	1.95892E-05
251	12	7.77580E+02	2.16037E-01	4.04391E-04	1.93030E-05
252	12	7.82580E+02	2.14830E-01	4.01331E-04	1.90216E-05
253	12	7.87580E+02	2.13622E-01	3.98290E-04	1.87450E-05
254	12	7.92580E+02	2.12413E-01	3.95270E-04	1.84729E-05
255	12	7.97580E+02	2.11202E-01	3.92268E-04	1.82054E-05
256	12	8.02580E+02	2.09990E-01	3.89284E-04	1.79422E-05
257	12	8.07580E+02	2.08776E-01	3.86319E-04	1.76833E-05
258	12	8.12580E+02	2.07562E-01	3.83371E-04	1.74287E-05
259	12	8.17580E+02	2.06346E-01	3.80441E-04	1.71782E-05
260	12	8.22580E+02	2.05128E-01	3.77527E-04	1.69316E-05
261	12	8.27580E+02	2.03909E-01	3.74630E-04	1.66890E-05
262	12	8.32580E+02	2.02689E-01	3.71749E-04	1.64503E-05
263	12	8.37580E+02	2.01468E-01	3.68884E-04	1.62153E-05
264	12	8.42580E+02	2.00244E-01	3.66034E-04	1.59840E-05
265	12	8.47580E+02	1.99020E-01	3.63199E-04	1.57562E-05
266	12	8.52580E+02	1.97794E-01	3.60379E-04	1.55320E-05
267	12	8.57580E+02	1.96566E-01	3.57573E-04	1.53112E-05
268	12	8.62580E+02	1.95337E-01	3.54780E-04	1.50938E-05
269	12	8.67580E+02	1.94107E-01	3.52002E-04	1.48797E-05
270	12	8.72580E+02	1.92875E-01	3.49236E-04	1.46688E-05
271	12	8.77580E+02	1.91641E-01	3.46483E-04	1.44610E-05
272	12	8.82580E+02	1.90406E-01	3.43743E-04	1.42563E-05
273	12	8.87580E+02	1.89169E-01	3.41016E-04	1.40547E-05
274	12	8.92580E+02	1.87930E-01	3.38300E-04	1.38559E-05
275	12	8.97580E+02	1.86689E-01	3.35595E-04	1.36601E-05
276	12	9.02580E+02	1.85447E-01	3.32902E-04	1.34671E-05
277	12	9.07580E+02	1.84203E-01	3.30220E-04	1.32768E-05
278	12	9.12580E+02	1.82957E-01	3.27548E-04	1.30892E-05
279	12	9.17580E+02	1.81709E-01	3.24887E-04	1.29043E-05
280	12	9.22580E+02	1.80460E-01	3.22236E-04	1.27219E-05

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 281      12    9.27580E+02    1.79208E-01  3.19595E-04  1.25421E-05
 282      12    9.32580E+02    1.77954E-01  3.16963E-04  1.23647E-05
 283      12    9.37580E+02    1.76698E-01  3.14340E-04  1.21898E-05
 284      12    9.42580E+02    1.75440E-01  3.11726E-04  1.20172E-05
 285      12    9.47580E+02    1.74180E-01  3.09120E-04  1.18469E-05
 286      12    9.52580E+02    1.72917E-01  3.06523E-04  1.16789E-05
 287      12    9.57580E+02    1.71652E-01  3.03933E-04  1.15131E-05
 288      12    9.62580E+02    1.70384E-01  3.01351E-04  1.13494E-05
 289      12    9.67580E+02    1.69114E-01  2.98776E-04  1.11879E-05
 290      12    9.72580E+02    1.67841E-01  2.96209E-04  1.10284E-05
 291      12    9.77580E+02    1.66565E-01  2.93647E-04  1.08709E-05
 292      12    9.82580E+02    1.65287E-01  2.91092E-04  1.07154E-05
 293      12    9.87580E+02    1.64005E-01  2.88543E-04  1.05617E-05
 294      12    9.92580E+02    1.62721E-01  2.85999E-04  1.04100E-05
 295      12    9.97580E+02    1.61433E-01  2.83461E-04  1.02600E-05
 296      12    1.00258E+03    1.60142E-01  2.80928E-04  1.01118E-05
 297      12    1.00758E+03    1.58847E-01  2.78398E-04  9.96539E-06
 298      12    1.01258E+03    1.57549E-01  2.75874E-04  9.82062E-06
 299      12    1.01758E+03    1.56246E-01  2.73352E-04  9.67748E-06
 300      12    1.02258E+03    1.54940E-01  2.70834E-04  9.53593E-06
 301      12    1.02758E+03    1.53630E-01  2.68319E-04  9.39591E-06
 302      12    1.03258E+03    1.52315E-01  2.65806E-04  9.25739E-06
 303      12    1.03758E+03    1.50995E-01  2.63295E-04  9.12032E-06
 304      12    1.04258E+03    1.49671E-01  2.60786E-04  8.98464E-06
 305      12    1.04758E+03    1.48342E-01  2.58277E-04  8.85031E-06
 306      12    1.05258E+03    1.47007E-01  2.55769E-04  8.71729E-06
 307      12    1.05758E+03    1.45666E-01  2.53261E-04  8.58551E-06
 308      12    1.06258E+03    1.44320E-01  2.50752E-04  8.45494E-06
 309      12    1.06758E+03    1.42968E-01  2.48242E-04  8.32553E-06
 310      12    1.07258E+03    1.41608E-01  2.45730E-04  8.19720E-06
 311      12    1.07758E+03    1.40242E-01  2.43215E-04  8.06992E-06
 312      12    1.08258E+03    1.38869E-01  2.40697E-04  7.94363E-06
 313      12    1.08758E+03    1.37488E-01  2.38175E-04  7.81827E-06
 314      12    1.09258E+03    1.36098E-01  2.35648E-04  7.69377E-06
 315      12    1.09758E+03    1.34700E-01  2.33116E-04  7.57008E-06
 316      12    1.10258E+03    1.33293E-01  2.30576E-04  7.44713E-06
 317      12    1.10758E+03    1.31877E-01  2.28029E-04  7.32485E-06
 318      12    1.11258E+03    1.30449E-01  2.25474E-04  7.20316E-06
 319      12    1.11758E+03    1.29012E-01  2.22909E-04  7.08200E-06
 320      12    1.12258E+03    1.27562E-01  2.20333E-04  6.96128E-06
 321      12    1.12758E+03    1.26101E-01  2.17746E-04  6.84091E-06
 322      12    1.13258E+03    1.24626E-01  2.15145E-04  6.72080E-06
 323      12    1.13758E+03    1.23138E-01  2.12529E-04  6.60086E-06
 324      12    1.14258E+03    1.21635E-01  2.09897E-04  6.48097E-06
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 DISTRIBUTED SOURCE - G=GROUP NO.    N=  0
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1   .00000E+00  5.75270E-01  4.98760E+00  7.69950E+00  2.44420E+01  1.47890E+02  3.05770E+02  3.57970E+02
         INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         INT.    36 THRU  INT.   324 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 DISTRIBUTED SOURCE - G=GROUP NO.    N=  8
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1  1.85480E+02  2.54090E+02  2.36720E+02  9.19320E+01  1.78930E+01  1.04440E+02  2.83740E+02  3.24590E+02
         INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
         INT.    36 THRU  INT.   324 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 DISTRIBUTED SOURCE - G=GROUP NO.    N= 16
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0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1  4.09340E+02  5.65660E+02  3.04840E+02  1.37570E+02  2.37130E+02  1.94140E+02  1.90280E+02  4.11530E+01
        INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
        INT.    36 THRU  INT.   324 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 DISTRIBUTED SOURCE - G=GROUP NO.     N= 24
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1  6.55330E+01  4.14110E+01  6.37230E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
        INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
        INT.    36 THRU  INT.   324 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 DISTRIBUTED SOURCE - G=GROUP NO.     N= 32
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
        INT.     2 THRU  INT.   324 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 DISTRIBUTED SOURCE - G=GROUP NO.     N= 40
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
        INT.     2 THRU  INT.   324 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 DISTRIBUTED SOURCE - G=GROUP NO.     N= 48
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1  1.67490E+00  5.25880E+00  1.60340E+01  2.68100E+01  1.00200E+02  2.34730E+03  2.20170E+05  5.23730E+07
        INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
        INT.    36 THRU  INT.   324 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 DISTRIBUTED SOURCE - G=GROUP NO.     N= 56
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3    G=N  +  4    G=N  +  5    G=N  +  6    G=N  +  7    G=N  +  8
     1  7.16180E+08  4.68050E+08  3.49310E+09  3.49310E+09  6.71010E+08  2.43980E+08  6.69240E+08  6.62720E+08
        INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00
        INT.    36 THRU  INT.   324 SAME AS ABOVE
1 ANISN CYL W17x17 MOX - 21 PWR MPC   CASE 5r1 - Pb Shield
0 DISTRIBUTED SOURCE - G=GROUP NO.     N= 64
0 INT.  G=N  +  1    G=N  +  2    G=N  +  3
     1  1.62450E+09  7.29390E+08  7.29390E+08
        INT.     2 THRU  INT.    34 SAME AS ABOVE
    35   .00000E+00   .00000E+00   .00000E+00
        INT.    36 THRU  INT.   324 SAME AS ABOVE
1 SUMMARY FOR ZONE  1 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE  68              ZONE VOLUME=  1.72220E+04

0 GRP.  FIX  SOURCE  FISS SOURCE  IN  SCATTER  SLF SCATTER  OUT SCATTER   ABSORPTION    LEAKAGE      BALANCE
     1   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00   .00000E+00  1.00000E+00
     2  9.90728E+03   .00000E+00   .00000E+00  6.68315E+03  5.43225E+03  1.83951E+03  2.63552E+03  1.00000E+00
     3  8.58963E+04   .00000E+00  1.14213E+03  5.69997E+04  4.79998E+04  1.61725E+04  2.28661E+04  1.00000E+00
     4  1.32601E+05   .00000E+00  9.56931E+03  9.00260E+04  7.89745E+04  2.62773E+04  3.69181E+04  1.00000E+00
     5  4.20939E+05   .00000E+00  1.98852E+04  2.95657E+05  2.55878E+05  7.00705E+04  1.14877E+05  1.00000E+00
     6  2.54696E+06   .00000E+00  7.62991E+04  2.04308E+06  1.50179E+06  3.98450E+05  7.23011E+05  1.00000E+00
     7  5.26596E+06   .00000E+00  4.90119E+05  5.21375E+06  3.68986E+06  5.44405E+05  1.52181E+06  1.00000E+00
     8  6.16495E+06   .00000E+00  1.61518E+06  8.88940E+06  5.10330E+06  7.82759E+05  1.89407E+06  1.00000E+00
     9  3.19433E+06   .00000E+00  2.03440E+06  5.81211E+06  3.81521E+06  3.72787E+05  1.04073E+06  1.00000E+00
    10  4.37593E+06   .00000E+00  1.37820E+06  4.76415E+06  4.07023E+06  4.23709E+06  1.26019E+06  1.00000E+00
    11  4.07678E+06   .00000E+00  2.20521E+06  5.27825E+06  4.51951E+06  4.88759E+05  1.27372E+06  1.00000E+00
    12  1.58325E+06   .00000E+00  1.29099E+06  1.92032E+06  2.08739E+06  2.21636E+05  5.65214E+05  1.00000E+00
    13  3.08153E+05   .00000E+00  3.91996E+05  3.04362E+05  5.16059E+05  5.04038E+04  1.33686E+05  1.00000E+00
    14  1.79866E+06   .00000E+00  1.50953E+06  2.47332E+06  2.37752E+06  2.70376E+05  6.60293E+05  1.00000E+00
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15	4.88656E+06	.00000E+00	2.75978E+06	7.87517E+06	5.63723E+06	6.53274E+05	1.35585E+06	1.00000E+00
16	5.59008E+06	.00000E+00	3.78044E+06	9.55946E+06	7.17565E+06	7.00830E+05	1.49404E+06	1.00000E+00
17	7.04964E+06	.00000E+00	6.37909E+06	1.74936E+07	1.05331E+07	8.25661E+05	2.06996E+06	1.00000E+00
18	9.74178E+06	.00000E+00	1.05166E+07	4.27576E+07	1.74140E+07	6.52337E+05	2.19210E+06	1.00000E+00
19	5.24994E+06	.00000E+00	1.42491E+07	3.10443E+07	1.68251E+07	4.68227E+05	2.20570E+06	1.00000E+00
20	2.36923E+06	.00000E+00	1.40353E+07	2.12694E+07	1.41918E+07	3.58157E+05	1.85461E+06	1.00000E+00
21	4.08384E+06	.00000E+00	2.07096E+07	6.06010E+07	2.20472E+07	7.38962E+05	2.00729E+06	1.00000E+00
22	3.34347E+06	.00000E+00	2.45670E+07	7.86094E+07	2.40896E+07	7.75238E+05	3.04560E+06	1.00000E+00
23	3.27700E+06	.00000E+00	2.88045E+07	1.21424E+08	3.10574E+07	7.38939E+05	2.85260E+05	9.99999E-01
24	7.08736E+05	.00000E+00	3.25013E+07	6.87315E+07	3.18466E+07	7.04956E+05	6.58264E+05	1.00000E+00
25	1.12861E+06	.00000E+00	3.62117E+07	2.31665E+08	2.93980E+07	1.86760E+06	6.07480E+06	9.99999E-01
26	7.13179E+05	.00000E+00	3.13681E+07	2.19979E+08	2.87997E+07	1.95074E+06	1.33075E+06	1.00000E+00
27	1.09744E+05	.00000E+00	2.95420E+07	2.05866E+08	2.53560E+07	2.17056E+06	2.12546E+06	9.99996E-01
28	.00000E+00	.00000E+00	2.43907E+07	1.68982E+08	2.04576E+07	2.51175E+06	1.42144E+06	9.99998E-01
29	.00000E+00	.00000E+00	2.06125E+07	7.42108E+07	1.70824E+07	1.58189E+06	1.94826E+06	1.00000E+00
30	.00000E+00	.00000E+00	1.70030E+07	5.19005E+07	1.47121E+07	1.30259E+06	9.88758E+05	9.99989E-01
31	.00000E+00	.00000E+00	9.50437E+06	1.68664E+07	1.02280E+07	5.42075E+05	-1.26569E+06	1.00000E+00
32	.00000E+00	.00000E+00	1.16976E+07	2.42379E+07	1.09800E+07	7.04731E+05	1.28414E+04	1.00000E+00
33	.00000E+00	.00000E+00	1.60186E+07	9.29047E+07	1.12317E+07	2.21082E+06	2.57614E+06	9.99999E-01
34	.00000E+00	.00000E+00	1.15245E+07	1.28392E+08	8.78780E+06	3.77325E+06	-1.03690E+06	1.00002E+00
35	.00000E+00	.00000E+00	8.86456E+06	1.05923E+08	5.32944E+06	3.82377E+06	-2.88691E+05	1.00000E+00
36	.00000E+00	.00000E+00	5.35452E+06	5.13514E+07	3.12026E+06	2.60347E+06	-3.69041E+05	9.99985E-01
37	.00000E+00	.00000E+00	3.12731E+06	2.84743E+07	8.57000E+05	2.85056E+06	-5.80227E+05	9.99996E-01
38	.00000E+00	.00000E+00	8.57149E+05	5.11316E+06	2.73418E+05	8.92790E+05	-3.09058E+05	1.00000E+00
39	.00000E+00	.00000E+00	2.73514E+05	1.56349E+06	1.72066E+05	4.22150E+05	-3.20701E+05	9.99997E-01
40	.00000E+00	.00000E+00	1.72133E+05	7.51678E+05	3.77921E+04	3.18550E+05	-1.84208E+05	9.99998E-01
41	.00000E+00	.00000E+00	3.78102E+04	2.28148E+05	2.35109E+03	2.20925E+05	-1.85466E+05	1.00000E+00
42	.00000E+00	.00000E+00	2.36294E+03	1.50391E+04	7.49658E+02	8.25281E+04	-8.09149E+04	1.00000E+00
43	.00000E+00	.00000E+00	7.48896E+02	1.88457E+05	1.06723E+04	3.92933E+04	-4.92163E+04	9.99784E-01
44	.00000E+00	.00000E+00	1.06702E+04	1.10653E+04	6.24592E+02	3.75461E+04	-2.75004E+04	1.00000E+00
45	.00000E+00	.00000E+00	6.23880E+02	1.83392E+04	1.37298E+03	9.23736E+03	-9.98646E+03	9.99997E-01
46	.00000E+00	.00000E+00	1.37314E+03	3.48817E+03	8.40613E+01	6.73322E+03	-5.44414E+03	1.00000E+00
47	.00000E+00	.00000E+00	8.39096E+01	4.94589E+02	1.31836E-02	5.35478E+02	-4.51582E+02	1.00000E+00
48	.00000E+00	.00000E+00	8.49373E+00	4.34692E+00	4.22138E+02	.00000E+00	-4.13645E+02	1.00000E+00
49	2.88451E+04	.00000E+00	1.26167E+03	3.11361E+03	1.86347E+05	.00000E+00	-1.56241E+05	1.00000E+00
50	9.05669E+04	.00000E+00	3.05269E+04	5.64130E+03	3.49941E+05	.00000E+00	-2.28847E+05	1.00000E+00
51	2.76137E+05	.00000E+00	1.72338E+05	7.28027E+03	5.12823E+05	.00000E+00	-6.43474E+04	1.00000E+00
52	4.61721E+05	.00000E+00	3.23042E+05	2.24422E+04	8.35520E+05	.00000E+00	-5.07568E+04	1.00000E+00
53	1.72564E+06	.00000E+00	2.71671E+06	1.74440E+05	4.22940E+06	.00000E+00	2.12959E+05	1.00000E+00
54	4.04251E+07	.00000E+00	6.97328E+06	2.98098E+06	4.36035E+07	.00000E+00	3.79489E+06	1.00000E+00
55	3.79176E+09	.00000E+00	3.00767E+07	3.78062E+08	3.50487E+09	.00000E+00	3.16968E+08	1.00000E+00
56	9.01966E+11	.00000E+00	5.03596E+08	1.01166E+11	8.34827E+11	.00000E+00	6.76423E+10	1.00000E+00
57	1.23340E+13	.00000E+00	1.87197E+11	2.14780E+12	1.17290E+13	.00000E+00	7.92239E+11	1.00000E+00
58	8.06074E+12	.00000E+00	1.83688E+12	1.25017E+12	9.44438E+12	.00000E+00	4.53246E+11	1.00000E+00
59	6.01580E+13	.00000E+00	1.83463E+12	6.12714E+12	5.96895E+13	.00000E+00	2.30313E+12	1.00000E+00
60	6.01580E+13	.00000E+00	8.49466E+12	7.69984E+12	6.64892E+13	.00000E+00	2.16345E+12	1.00000E+00
61	1.15561E+13	.00000E+00	3.17902E+13	8.43964E+12	4.25577E+13	.00000E+00	7.88632E+11	1.00000E+00
62	4.20182E+12	.00000E+00	5.09531E+13	9.18050E+12	5.57717E+13	.00000E+00	-6.16777E+11	1.00000E+00
63	1.15256E+13	.00000E+00	1.31251E+13	2.51995E+12	2.50079E+13	.00000E+00	-3.57200E+11	1.00000E+00
64	1.14133E+13	.00000E+00	4.70280E+11	1.60164E+12	1.18840E+13	.00000E+00	-3.83861E+08	1.00000E+00
65	2.79771E+13	.00000E+00	8.38120E+10	2.35083E+12	2.80500E+13	.00000E+00	1.08429E+10	1.00000E+00
66	1.25615E+13	.00000E+00	1.21828E+09	3.96286E+11	1.25622E+13	.00000E+00	4.98105E+08	1.00000E+00
67	1.25615E+13	.00000E+00	1.29617E+09	3.54895E+11	1.25625E+13	.00000E+00	3.14890E+08	1.00000E+00
68	2.33414E+14	.00000E+00	1.08779E+14	4.21721E+13	3.36587E+14	4.02083E+07	5.60599E+12	1.00000E+00

0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	1.08738E+01	5.77627E+00	5.66526E+00	2.63552E+03	.00000E+00	5.50316E+03	3.19656E+05	3.19656E+05
3	9.57015E+01	5.03773E+01	4.91524E+01	2.28661E+04	.00000E+00	4.26523E+04	2.81242E+06	2.81242E+06
4	1.57642E+02	8.20466E+01	7.93584E+01	3.69181E+04	.00000E+00	6.63739E+04	4.61392E+06	4.61392E+06
5	4.92446E+02	2.55441E+02	2.46937E+02	1.14877E+05	.00000E+00	1.95859E+05	1.43937E+07	1.43937E+07

6	3.13828E+03	1.61768E+03	1.55417E+03	7.23011E+05	.00000E+00	9.82827E+05	9.09925E+07	9.09925E+07
7	6.91614E+03	3.48127E+03	3.27126E+03	1.52181E+06	.00000E+00	1.41313E+06	2.00535E+08	2.00535E+08
8	9.71771E+03	4.60882E+03	4.07145E+03	1.89407E+06	.00000E+00	1.81162E+06	2.79718E+08	2.79718E+08
9	6.05422E+03	2.71130E+03	2.23714E+03	1.04073E+06	.00000E+00	1.01577E+06	1.72477E+08	1.72477E+08
10	7.03335E+03	3.20551E+03	2.70888E+03	1.26019E+06	.00000E+00	1.11905E+06	1.94992E+08	1.94992E+08
11	8.16753E+03	3.50465E+03	2.73797E+03	1.27372E+06	.00000E+00	1.26841E+06	2.19095E+08	2.19095E+08
12	3.73677E+03	1.58638E+03	1.21497E+03	5.65214E+05	.00000E+00	5.67358E+05	9.76978E+07	9.76978E+07
13	8.49251E+02	3.67069E+02	2.87369E+02	1.33686E+05	.00000E+00	1.28388E+05	2.21021E+07	2.21021E+07
14	4.52756E+03	1.89216E+03	1.41935E+03	6.60293E+05	.00000E+00	6.84502E+05	1.17852E+08	1.17852E+08
15	1.13875E+04	4.38654E+03	2.91450E+03	1.35585E+06	.00000E+00	1.61942E+06	2.83710E+08	2.83710E+08
16	1.29562E+04	4.93215E+03	3.21156E+03	1.49404E+06	.00000E+00	1.66824E+06	3.26129E+08	3.26129E+08
17	2.07736E+04	7.53966E+03	4.44954E+03	2.06996E+06	.00000E+00	1.81148E+06	5.13596E+08	5.13596E+08
18	3.85022E+04	1.20771E+04	4.71209E+03	2.19210E+06	.00000E+00	8.63266E+05	8.60941E+08	8.60941E+08
19	2.61187E+04	9.01823E+03	4.74134E+03	2.20570E+06	.00000E+00	4.31368E+05	6.60352E+08	6.60352E+08
20	2.08173E+04	7.35937E+03	3.98663E+03	1.85461E+06	.00000E+00	2.89685E+05	5.46191E+08	5.46191E+08
21	5.42361E+04	1.59140E+04	4.31483E+03	2.00729E+06	.00000E+00	5.46354E+05	1.18878E+09	1.18878E+09
22	5.77893E+04	1.79619E+04	6.54677E+03	3.04560E+06	.00000E+00	5.38226E+05	1.33538E+09	1.33538E+09
23	6.62419E+04	1.70602E+04	6.13188E+02	2.85260E+05	.00000E+00	4.65220E+05	1.29111E+09	1.29111E+09
24	6.21327E+04	1.64255E+04	1.41499E+03	6.58264E+05	.00000E+00	4.17780E+05	1.20903E+09	1.20903E+09
25	1.27353E+05	3.90329E+04	1.30583E+04	6.07480E+06	.00000E+00	1.03230E+06	3.04760E+09	3.04760E+09
26	1.33595E+05	3.53335E+04	2.86055E+03	1.33075E+06	.00000E+00	9.20266E+05	2.70214E+09	2.70214E+09
27	1.13115E+05	3.10303E+04	4.56885E+03	2.12546E+06	.00000E+00	8.34131E+05	2.37013E+09	2.37013E+09
28	8.79152E+04	2.38905E+04	3.05549E+03	1.42144E+06	.00000E+00	6.61855E+05	1.83593E+09	1.83593E+09
29	3.61203E+04	1.13385E+04	4.18795E+03	1.94826E+06	.00000E+00	3.47818E+05	9.22018E+08	9.22018E+08
30	2.68712E+04	7.94252E+03	2.12541E+03	9.88758E+05	.00000E+00	2.61995E+05	6.71822E+08	6.71822E+08
31	2.11112E+04	3.70510E+03	-2.72071E+03	-1.26569E+06	.00000E+00	1.06644E+05	2.72096E+08	2.72096E+08
32	1.89090E+04	4.75839E+03	2.76035E+01	1.28414E+04	.00000E+00	1.33813E+05	3.41113E+08	3.41113E+08
33	3.25695E+04	1.11226E+04	5.53761E+03	2.57614E+06	.00000E+00	3.98815E+05	9.39218E+08	9.39218E+08
34	7.80713E+04	1.85830E+04	-2.22889E+03	-1.03690E+06	.00000E+00	6.48432E+05	1.32355E+09	1.32355E+09
35	5.64709E+04	1.39784E+04	-6.20565E+02	-2.88691E+05	.00000E+00	5.80550E+05	9.37523E+08	9.37523E+08
36	2.69084E+04	6.43808E+03	-7.93283E+02	-3.69041E+05	.00000E+00	3.76118E+05	4.04909E+08	4.04909E+08
37	1.97438E+04	4.39585E+03	-1.24724E+03	-5.80227E+05	.00000E+00	4.26828E+05	2.46695E+08	2.46695E+08
38	5.14175E+03	9.83028E+02	-6.64344E+02	-3.09058E+05	.00000E+00	1.36901E+05	4.52067E+07	4.52067E+07
39	2.54692E+03	3.21045E+02	-6.89373E+02	-3.20701E+05	.00000E+00	2.38024E+04	5.63511E+06	5.63511E+06
40	1.85070E+03	2.81821E+02	-3.95970E+02	-1.84208E+05	.00000E+00	5.28605E+04	5.66295E+06	5.66295E+06
41	1.02848E+03	7.90208E+01	-3.98673E+02	-1.85466E+05	.00000E+00	1.10909E+04	6.88979E+05	6.88979E+05
42	3.34313E+02	7.08674E+00	-1.73933E+02	-8.09149E+04	.00000E+00	2.09960E+03	1.32148E+05	1.32148E+05
43	4.39020E+02	6.17822E+01	-1.05794E+02	-4.92163E+04	.00000E+00	1.46810E+04	2.52301E+06	2.52301E+06
44	1.23273E+02	4.65988E+00	-5.91144E+01	-2.75004E+04	.00000E+00	6.69880E+02	1.09814E+05	1.09814E+05
45	6.70244E+01	7.06603E+00	-2.14667E+01	-9.98646E+03	.00000E+00	6.44757E+03	2.45592E+05	2.45592E+05
46	2.73026E+01	1.64173E+00	-1.17026E+01	-5.44414E+03	.00000E+00	1.05291E+04	4.45423E+04	4.45423E+04
47	2.66498E+00	2.32337E-01	-9.70711E-01	-4.51582E+02	.00000E+00	8.46347E+02	6.10724E+03	6.10724E+03
48	1.93036E+00	1.47133E-02	-8.89163E-01	-4.13645E+02	.00000E+00	.00000E+00	4.49547E+03	4.49547E+03
49	7.00726E+02	8.78548E+00	-3.35852E+02	-1.56241E+05	.00000E+00	.00000E+00	2.09964E+06	2.09964E+06
50	1.07847E+03	2.59833E+01	-4.91925E+02	-2.28847E+05	.00000E+00	.00000E+00	4.07218E+06	4.07218E+06
51	5.79721E+02	7.51954E+01	-1.38320E+02	-6.43474E+04	.00000E+00	.00000E+00	6.14824E+06	6.14824E+06
52	7.76230E+02	1.37517E+02	-1.09106E+02	-5.07568E+04	.00000E+00	.00000E+00	1.02554E+07	1.02554E+07
53	2.33443E+03	8.17424E+02	4.57772E+02	2.12959E+05	.00000E+00	.00000E+00	5.32267E+07	5.32267E+07
54	1.82443E+04	8.80702E+03	8.15742E+03	3.79489E+06	.00000E+00	.00000E+00	5.56226E+08	5.56226E+08
55	1.30933E+06	6.82917E+05	6.81348E+05	3.16968E+08	.00000E+00	.00000E+00	4.29656E+10	4.29656E+10
56	2.79252E+08	1.45518E+08	1.45403E+08	6.76423E+10	.00000E+00	.00000E+00	9.22374E+12	9.22374E+12
57	3.30055E+09	1.70774E+09	1.70298E+09	7.92239E+11	.00000E+00	.00000E+00	1.09478E+14	1.09478E+14
58	1.93520E+09	9.85367E+08	9.74288E+08	4.53246E+11	.00000E+00	.00000E+00	6.39510E+13	6.39510E+13
59	9.68163E+09	4.96612E+09	4.95076E+09	2.30313E+12	.00000E+00	.00000E+00	3.25847E+14	3.25847E+14
60	9.25960E+09	4.69484E+09	4.65050E+09	2.16345E+12	.00000E+00	.00000E+00	3.09756E+14	3.09756E+14
61	4.92067E+09	2.03213E+09	1.69523E+09	7.88632E+11	.00000E+00	.00000E+00	1.41991E+14	1.41991E+14
62	5.24909E+09	5.86151E+08	-1.32581E+09	-6.16777E+11	.00000E+00	.00000E+00	6.02296E+13	6.02296E+13
63	1.83053E+09	9.32203E+07	-7.67829E+08	-3.57200E+11	.00000E+00	.00000E+00	7.25824E+12	7.25824E+12
64	1.50237E+08	3.78404E+07	-8.25141E+05	-3.83861E+08	.00000E+00	.00000E+00	2.36078E+12	2.36078E+12
65	4.61625E+07	2.39199E+07	2.33076E+07	1.08429E+10	.00000E+00	.00000E+00	1.68389E+12	1.68389E+12

66	1.73835E+06	1.07096E+06	1.07072E+06	4.98105E+08	.00000E+00	.00000E+00	1.24420E+11	1.24420E+11
67	1.08298E+06	6.76894E+05	6.76881E+05	3.14890E+08	.00000E+00	.00000E+00	9.37992E+10	9.37992E+10
68	3.66583E+10	1.52756E+10	1.20505E+10	5.60599E+12	.00000E+00	2.49420E+07	1.03207E+15	1.03207E+15

1 SUMMARY FOR ZONE 2 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 1.20189E+03

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	9.12417E+02	9.60070E+02	1.54431E+02	-1.11450E+03	1.00000E+00
3	.00000E+00	.00000E+00	1.06677E+02	9.76732E+03	8.60043E+03	1.24797E+03	-9.74173E+03	1.00005E+00
4	.00000E+00	.00000E+00	8.82779E+02	1.82646E+04	1.47748E+04	1.79252E+03	-1.56846E+04	9.99996E-01
5	.00000E+00	.00000E+00	1.93601E+03	6.23007E+04	4.74164E+04	4.80672E+03	-5.02873E+04	1.00007E+00
6	.00000E+00	.00000E+00	7.51269E+03	4.22980E+05	3.10415E+05	2.36496E+04	-3.26552E+05	1.00006E+00
7	.00000E+00	.00000E+00	4.99085E+04	9.86820E+05	6.97169E+05	3.48974E+04	-6.82160E+05	1.00002E+00
8	.00000E+00	.00000E+00	1.73137E+05	1.53749E+06	9.31847E+05	3.46707E+04	-7.93384E+05	1.00001E+00
9	.00000E+00	.00000E+00	2.47303E+05	8.99329E+05	6.31418E+05	1.42700E+04	-3.98384E+05	1.00000E+00
10	.00000E+00	.00000E+00	2.53880E+05	9.46827E+05	7.60781E+05	1.16875E+04	-5.18589E+05	1.00000E+00
11	.00000E+00	.00000E+00	4.13789E+05	1.23638E+06	8.87230E+05	1.05426E+04	-4.83984E+05	1.00000E+00
12	.00000E+00	.00000E+00	3.41509E+05	4.11377E+05	5.43853E+05	3.92075E+03	-2.06265E+05	1.00000E+00
13	.00000E+00	.00000E+00	1.09413E+05	3.14374E+04	1.49798E+05	8.57661E+02	-4.12431E+04	1.00000E+00
14	.00000E+00	.00000E+00	4.01885E+05	4.97634E+05	6.18106E+05	4.21972E+03	-2.20441E+05	1.00000E+00
15	.00000E+00	.00000E+00	7.48124E+05	1.88334E+06	1.10194E+06	7.79348E+03	-3.61609E+05	1.00000E+00
16	.00000E+00	.00000E+00	8.13449E+05	1.97252E+06	1.16311E+06	6.32866E+03	-3.55986E+05	9.99999E-01
17	.00000E+00	.00000E+00	1.26717E+06	3.66855E+06	1.68295E+06	8.54381E+03	-4.24321E+05	9.99999E-01
18	.00000E+00	.00000E+00	1.84410E+06	8.34208E+06	1.71983E+06	1.45061E+04	1.09754E+05	1.00000E+00
19	.00000E+00	.00000E+00	1.34227E+06	4.82253E+06	1.62703E+06	1.18877E+04	-2.96648E+05	9.99999E-01
20	.00000E+00	.00000E+00	1.68111E+06	4.61383E+06	2.25493E+06	1.27746E+04	-5.86588E+05	9.99999E-01
21	.00000E+00	.00000E+00	2.89277E+06	1.19226E+07	2.37442E+06	3.69595E+04	4.81349E+05	1.00001E+00
22	.00000E+00	.00000E+00	2.87691E+06	1.32936E+07	2.94002E+06	3.04668E+04	-9.35790E+04	1.00000E+00
23	.00000E+00	.00000E+00	3.48357E+06	2.45896E+07	2.44711E+06	3.75840E+04	9.98882E+05	9.99999E-01
24	.00000E+00	.00000E+00	2.79788E+06	1.77710E+07	2.11737E+06	4.57241E+04	6.34843E+05	9.99991E-01
25	.00000E+00	.00000E+00	2.72261E+06	4.22170E+07	4.18387E+06	9.34538E+04	-1.55473E+06	1.00000E+00
26	.00000E+00	.00000E+00	4.43080E+06	5.62148E+07	3.14280E+06	1.19496E+05	1.16815E+06	1.00004E+00
27	.00000E+00	.00000E+00	3.27224E+06	5.90212E+07	2.96312E+06	1.47595E+05	1.61373E+05	1.00002E+00
28	.00000E+00	.00000E+00	3.03774E+06	4.33102E+07	3.09198E+06	1.09583E+05	-1.64572E+05	1.00012E+00
29	.00000E+00	.00000E+00	3.11098E+06	1.73168E+07	4.08248E+06	7.05061E+04	-1.04201E+06	1.00000E+00
30	.00000E+00	.00000E+00	4.09299E+06	4.16948E+07	4.91650E+06	4.23988E+04	-8.66352E+05	1.00005E+00
31	.00000E+00	.00000E+00	4.89919E+06	3.46154E+06	2.72091E+06	1.76453E+04	2.16063E+06	1.00000E+00
32	.00000E+00	.00000E+00	2.70628E+06	4.14316E+06	2.37231E+06	4.32008E+04	2.90760E+05	1.00000E+00
33	.00000E+00	.00000E+00	2.43428E+06	1.62924E+07	4.20025E+06	2.65110E+04	-1.79251E+06	1.00001E+00
34	.00000E+00	.00000E+00	4.23850E+06	3.80840E+07	2.84986E+06	1.09287E+05	1.27955E+06	9.99978E-01
35	.00000E+00	.00000E+00	2.85942E+06	3.54140E+07	1.93986E+06	6.38006E+04	8.55792E+05	9.99994E-01
36	.00000E+00	.00000E+00	1.94246E+06	3.54192E+07	1.45401E+06	1.39282E+05	3.48997E+05	1.00004E+00
37	.00000E+00	.00000E+00	1.45488E+06	2.42597E+07	7.82606E+05	3.25995E+05	3.46266E+05	1.00000E+00
38	.00000E+00	.00000E+00	7.82535E+05	1.60975E+07	4.59664E+05	1.46240E+05	1.76620E+05	1.00001E+00
39	.00000E+00	.00000E+00	4.59239E+05	5.37074E+06	2.68629E+05	6.38408E+04	1.26772E+05	9.99997E-01
40	.00000E+00	.00000E+00	2.68495E+05	3.86567E+06	1.41186E+05	1.07900E+05	1.94002E+04	1.00002E+00
41	.00000E+00	.00000E+00	1.41084E+05	2.87052E+06	8.44368E+04	2.78990E+04	2.87480E+04	1.00000E+00
42	.00000E+00	.00000E+00	8.44756E+04	1.12698E+06	5.63881E+04	1.63783E+04	1.17091E+04	1.00000E+00
43	.00000E+00	.00000E+00	5.63803E+04	9.82479E+05	3.57724E+04	2.19209E+04	-1.31187E+03	9.99990E-01
44	.00000E+00	.00000E+00	3.57524E+04	3.96169E+05	1.79617E+04	1.37239E+04	4.06673E+03	1.00000E+00
45	.00000E+00	.00000E+00	1.79772E+04	1.74194E+05	9.21559E+03	8.83517E+03	-7.35605E+01	9.99999E-01
46	.00000E+00	.00000E+00	9.21585E+03	8.83532E+04	1.59988E+03	7.37380E+03	2.42172E+02	1.00000E+00
47	.00000E+00	.00000E+00	1.59836E+03	8.68568E+03	3.56445E-01	1.63327E+03	-3.52689E+01	1.00000E+00
48	.00000E+00	.00000E+00	1.00905E+03	1.36802E+01	7.67372E+02	.00000E+00	2.41679E+02	1.00000E+00
49	.00000E+00	.00000E+00	3.29756E+05	8.33242E+03	2.99987E+05	.00000E+00	2.97688E+04	1.00000E+00
50	.00000E+00	.00000E+00	5.59753E+05	1.09288E+04	4.28776E+05	.00000E+00	1.30977E+05	1.00000E+00
51	.00000E+00	.00000E+00	2.43097E+05	4.08732E+03	1.98182E+05	.00000E+00	4.49146E+04	1.00000E+00
52	.00000E+00	.00000E+00	2.89111E+05	9.54589E+03	2.45204E+05	.00000E+00	4.39062E+04	1.00000E+00
53	.00000E+00	.00000E+00	4.37779E+05	3.10342E+04	5.42737E+05	.00000E+00	-1.04958E+05	1.00000E+00
54	.00000E+00	.00000E+00	8.62418E+05	2.86683E+05	3.18067E+06	.00000E+00	-2.31825E+06	1.00000E+00

55	.00000E+00	.00000E+00	2.05322E+06	2.79634E+07	2.14226E+08	.00000E+00	-2.12172E+08	1.00000E+00
56	.00000E+00	.00000E+00	3.95269E+07	6.59621E+09	4.84066E+10	.00000E+00	-4.83671E+10	9.99851E-01
57	.00000E+00	.00000E+00	1.38035E+10	1.29607E+11	6.03335E+11	.00000E+00	-5.89532E+11	1.00001E+00
58	.00000E+00	.00000E+00	1.28341E+11	6.71378E+10	4.55789E+11	.00000E+00	-3.27448E+11	1.00000E+00
59	.00000E+00	.00000E+00	1.31037E+11	2.09613E+11	2.05366E+12	.00000E+00	-1.92262E+12	1.00000E+00
60	.00000E+00	.00000E+00	5.10085E+11	2.86138E+11	2.23800E+12	.00000E+00	-1.72791E+12	1.00000E+00
61	.00000E+00	.00000E+00	1.92069E+12	8.05880E+11	2.12265E+12	.00000E+00	-2.01962E+11	1.00000E+00
62	.00000E+00	.00000E+00	3.98458E+12	2.50251E+12	3.04012E+12	.00000E+00	9.44465E+11	1.00000E+00
63	.00000E+00	.00000E+00	3.18622E+12	2.28397E+12	2.81358E+12	.00000E+00	3.72643E+11	1.00000E+00
64	.00000E+00	.00000E+00	8.20314E+11	2.93860E+11	8.16939E+11	.00000E+00	3.37458E+09	1.00000E+00
65	.00000E+00	.00000E+00	3.69639E+10	7.30284E+09	4.76517E+10	.00000E+00	-1.06878E+10	1.00000E+00
66	.00000E+00	.00000E+00	1.31873E+07	1.98525E+07	5.11287E+08	.00000E+00	-4.98099E+08	9.99994E-01
67	.00000E+00	.00000E+00	3.82106E+05	5.34046E+06	3.15272E+08	.00000E+00	-3.14890E+08	9.99993E-01
68	.00000E+00	.00000E+00	1.07322E+13	6.59321E+12	1.42412E+13	2.08379E+06	-3.50908E+12	1.00000E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	4.94116E+00	3.20167E+00	3.16110E+00	1.52102E+03	2.63552E+03	.00000E+00	8.81632E+03	8.81632E+03
3	4.32220E+01	2.77370E+01	2.72761E+01	1.31243E+04	2.28661E+04	.00000E+00	7.72944E+04	7.72944E+04
4	7.15285E+01	4.51878E+01	4.41293E+01	2.12335E+04	3.69181E+04	.00000E+00	1.27562E+05	1.27562E+05
5	2.17104E+02	1.37337E+02	1.34235E+02	6.45894E+04	1.14877E+05	.00000E+00	3.92858E+05	3.92858E+05
6	1.34861E+03	8.47108E+02	8.23954E+02	3.96459E+05	7.23011E+05	.00000E+00	2.47353E+06	2.47353E+06
7	3.02079E+03	1.83024E+03	1.74504E+03	8.39654E+05	1.52181E+06	.00000E+00	5.49865E+06	5.49865E+06
8	4.56828E+03	2.53518E+03	2.28753E+03	1.10068E+06	1.89407E+06	.00000E+00	8.02888E+06	8.02888E+06
9	3.07249E+03	1.57227E+03	1.33498E+03	6.42347E+05	1.04073E+06	.00000E+00	5.20391E+06	5.20391E+06
10	3.43113E+03	1.79226E+03	1.54126E+03	7.41603E+05	1.26019E+06	.00000E+00	5.91492E+06	5.91492E+06
11	4.24215E+03	2.04559E+03	1.64130E+03	7.89740E+05	1.27372E+06	.00000E+00	7.09686E+06	7.09686E+06
12	1.98919E+03	9.44889E+02	7.45998E+02	3.58949E+05	5.65214E+05	.00000E+00	3.29110E+06	3.29110E+06
13	4.78766E+02	2.34565E+02	1.92122E+02	9.24429E+04	1.33686E+05	.00000E+00	7.71817E+05	7.71817E+05
14	2.52909E+03	1.17630E+03	9.14138E+02	4.39852E+05	6.60293E+05	.00000E+00	4.08188E+06	4.08188E+06
15	6.89154E+03	2.92816E+03	2.06631E+03	9.94237E+05	1.35585E+06	.00000E+00	1.07012E+07	1.07012E+07
16	8.05580E+03	3.39230E+03	2.36520E+03	1.13805E+06	1.49404E+06	.00000E+00	1.23583E+07	1.23583E+07
17	1.36710E+04	5.37776E+03	3.42009E+03	1.64563E+06	2.06996E+06	.00000E+00	2.03512E+07	2.03512E+07
18	3.01753E+04	1.01309E+04	4.78390E+03	2.30185E+06	2.19210E+06	.00000E+00	4.12257E+07	4.12257E+07
19	1.91703E+04	7.01756E+03	3.96756E+03	1.90906E+06	2.20570E+06	.00000E+00	2.69596E+07	2.69596E+07
20	1.39965E+04	5.02580E+03	2.63531E+03	1.26802E+06	1.85461E+06	.00000E+00	2.04450E+07	2.04450E+07
21	4.49429E+04	1.41447E+04	5.17209E+03	2.48864E+06	2.00729E+06	.00000E+00	5.99583E+07	5.99583E+07
22	4.76818E+04	1.52571E+04	6.13514E+03	2.95202E+06	3.04560E+06	.00000E+00	6.31864E+07	6.31864E+07
23	6.22646E+04	1.70000E+04	2.66881E+03	1.28414E+06	2.85260E+05	.00000E+00	7.80227E+07	7.80227E+07
24	5.75773E+04	1.60048E+04	2.68744E+03	1.29311E+06	6.58264E+05	.00000E+00	7.25306E+07	7.25306E+07
25	1.00305E+05	3.04358E+04	9.39400E+03	4.52008E+06	6.07480E+06	.00000E+00	1.35100E+08	1.35100E+08
26	1.20395E+05	3.31998E+04	5.19342E+03	2.49890E+06	1.33075E+06	.00000E+00	1.53833E+08	1.53833E+08
27	9.48897E+04	2.66864E+04	4.75269E+03	2.28684E+06	2.12546E+06	.00000E+00	1.25352E+08	1.25352E+08
28	7.90339E+04	2.12561E+04	2.61212E+03	1.25687E+06	1.42144E+06	.00000E+00	9.97794E+07	9.97794E+07
29	2.36470E+04	7.03767E+03	1.88345E+03	9.06253E+05	1.94826E+06	.00000E+00	3.45463E+07	3.45463E+07
30	1.31476E+04	3.47202E+03	2.54392E+02	1.22405E+05	9.88758E+05	.00000E+00	2.13999E+07	2.13999E+07
31	1.86600E+04	5.64369E+03	1.85994E+03	8.94939E+05	-1.26569E+06	.00000E+00	2.54357E+07	2.54357E+07
32	1.80330E+04	4.86267E+03	6.30971E+02	3.03602E+05	1.28414E+04	.00000E+00	2.25209E+07	2.25209E+07
33	1.51451E+04	4.78351E+03	1.62860E+03	7.83628E+05	2.57614E+06	.00000E+00	2.60623E+07	2.60623E+07
34	7.95964E+04	2.00942E+04	5.04308E+02	2.42656E+05	-1.03690E+06	.00000E+00	9.53846E+07	9.53846E+07
35	5.55692E+04	1.46270E+04	1.17860E+03	5.67101E+05	-2.88691E+05	.00000E+00	6.82948E+07	6.82948E+07
36	3.00432E+04	7.59188E+03	-4.16573E+01	-2.00441E+04	-3.69041E+05	.00000E+00	3.48945E+07	3.48945E+07
37	2.57636E+04	6.26643E+03	-4.86237E+02	-2.33961E+05	-5.80227E+05	.00000E+00	2.79557E+07	2.79557E+07
38	1.07294E+04	2.57992E+03	-2.75242E+02	-1.32437E+05	-3.09058E+05	.00000E+00	1.00693E+07	1.00693E+07
39	6.75494E+03	1.50059E+03	-4.03041E+02	-1.93930E+05	-3.20701E+05	.00000E+00	5.88469E+06	5.88469E+06
40	4.79379E+03	1.04324E+03	-3.42518E+02	-1.64808E+05	-1.84208E+05	.00000E+00	4.07310E+06	4.07310E+06
41	3.84993E+03	8.10713E+02	-3.25703E+02	-1.56717E+05	-1.85466E+05	.00000E+00	3.04101E+06	3.04101E+06
42	1.60021E+03	3.32557E+02	-1.43829E+02	-6.92058E+04	-8.09149E+04	.00000E+00	1.21350E+06	1.21350E+06
43	1.28089E+03	2.71928E+02	-1.05012E+02	-5.05282E+04	-4.92163E+04	.00000E+00	1.04294E+06	1.04294E+06
44	5.53890E+02	1.15787E+02	-4.87019E+01	-2.34337E+04	-2.75004E+04	.00000E+00	4.23938E+05	4.23938E+05
45	2.40679E+02	5.05102E+01	-2.09076E+01	-1.00600E+04	-9.98646E+03	.00000E+00	1.87682E+05	1.87682E+05

46	1.21708E+02	2.54404E+01	-1.08112E+01	-5.20197E+03	-5.44414E+03	.00000E+00	9.19672E+04	9.19672E+04
47	1.18618E+01	2.50363E+00	-1.01181E+00	-4.86850E+02	-4.51582E+02	.00000E+00	8.82329E+03	8.82329E+03
48	3.35116E+00	5.52859E-01	-3.57393E-01	-1.71966E+02	-4.13645E+02	.00000E+00	3.29174E+03	3.29174E+03
49	1.48551E+03	1.93792E+02	-2.62844E+02	-1.26472E+05	-1.56241E+05	.00000E+00	1.30605E+06	1.30605E+06
50	1.83585E+03	3.33714E+02	-2.03401E+02	-9.78699E+04	-2.28847E+05	.00000E+00	1.86221E+06	1.86221E+06
51	7.70260E+02	1.61897E+02	-4.03870E+01	-1.94329E+04	-6.43474E+04	.00000E+00	8.43833E+05	8.43833E+05
52	9.12795E+02	2.08260E+02	-1.42376E+01	-6.85065E+03	-5.07568E+04	.00000E+00	1.04075E+06	1.04075E+06
53	1.60677E+03	5.31330E+02	2.24457E+02	1.08001E+05	2.12959E+05	.00000E+00	2.25885E+06	2.25885E+06
54	6.40778E+03	3.56504E+03	3.06887E+03	1.47663E+06	3.79489E+06	.00000E+00	1.27664E+07	1.27664E+07
55	3.02408E+05	2.18503E+05	2.17795E+05	1.04796E+08	3.16968E+08	.00000E+00	7.73483E+08	7.73483E+08
56	5.41328E+07	4.00473E+07	4.00594E+07	1.92752E+10	6.76423E+10	.00000E+00	1.52699E+11	1.52699E+11
57	5.68819E+08	4.21245E+08	4.21283E+08	2.02707E+11	7.92239E+11	.00000E+00	1.70972E+12	1.70972E+12
58	3.65081E+08	2.61742E+08	2.61442E+08	1.25797E+11	4.53246E+11	.00000E+00	1.04094E+12	1.04094E+12
59	1.04220E+09	7.91414E+08	7.90806E+08	3.80509E+11	2.30313E+12	.00000E+00	4.10958E+12	4.10958E+12
60	1.23074E+09	9.06728E+08	9.05160E+08	4.35532E+11	2.16345E+12	.00000E+00	4.29420E+12	4.29420E+12
61	2.02345E+09	1.24527E+09	1.21927E+09	5.86670E+11	7.88632E+11	.00000E+00	4.32633E+12	4.32633E+12
62	3.01067E+09	1.09592E+09	6.81027E+08	3.27687E+11	-6.16777E+11	.00000E+00	5.91901E+12	5.91901E+12
63	1.44218E+09	3.90405E+08	3.20948E+07	1.54429E+10	-3.57200E+11	.00000E+00	2.71901E+12	2.71901E+12
64	1.14009E+08	3.20982E+07	6.21556E+06	2.99072E+09	-3.83861E+08	.00000E+00	2.17723E+11	2.17723E+11
65	2.08307E+06	6.64672E+05	3.22280E+05	1.55070E+08	1.08429E+10	.00000E+00	3.47020E+09	3.47020E+09
66	9.12178E+01	2.87367E+01	1.13032E+01	5.43870E+03	4.98105E+08	.00000E+00	4.69517E+06	4.69517E+06
67	2.84291E-01	7.41104E-02	1.63891E-02	7.88586E+00	3.14890E+08	.00000E+00	7.41257E+05	7.41257E+05
68	9.85471E+09	5.18605E+09	4.35797E+09	2.09691E+12	5.60599E+12	.00000E+00	2.44948E+13	2.44948E+13

1 SUMMARY FOR ZONE 3 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 7.28818E+02

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	1.10310E-01	1.33998E-01	4.16244E-02	-1.75537E-01	1.00000E+00
3	.00000E+00	.00000E+00	5.98883E-02	7.76092E-01	1.09153E+00	3.97078E-01	-1.43262E+00	1.03360E+00
4	.00000E+00	.00000E+00	4.53037E-01	1.07843E+00	1.75463E+00	5.29575E-01	-1.83203E+00	1.00096E+00
5	.00000E+00	.00000E+00	1.01362E+00	3.29725E+00	6.14278E+00	1.50183E+00	-6.62109E+00	9.95138E-01
6	.00000E+00	.00000E+00	3.87304E+00	2.27108E+01	3.24122E+01	9.64945E+00	-3.82188E+01	1.00390E+00
7	.00000E+00	.00000E+00	2.33363E+01	6.37472E+01	7.28417E+01	1.89182E+01	-6.85625E+01	1.00298E+00
8	.00000E+00	.00000E+00	6.94728E+01	1.45612E+02	9.17774E+01	5.65570E+01	-7.87500E+01	9.99198E-01
9	.00000E+00	.00000E+00	7.66991E+01	7.23106E+01	1.01777E+02	3.22026E+01	-5.72500E+01	9.99804E-01
10	.00000E+00	.00000E+00	5.56980E+01	3.67324E+01	1.19974E+02	2.23982E+01	-8.71250E+01	1.00406E+00
11	.00000E+00	.00000E+00	8.43246E+01	4.24655E+01	1.53389E+02	1.84279E+01	-8.76875E+01	1.00116E+00
12	.00000E+00	.00000E+00	5.78666E+01	8.49303E+00	8.00151E+01	6.93654E+00	-2.90625E+01	9.99805E-01
13	.00000E+00	.00000E+00	1.39278E+01	4.38254E-01	1.97291E+01	1.63617E+00	-7.44531E+00	1.00028E+00
14	.00000E+00	.00000E+00	8.24425E+01	1.59983E+01	1.05371E+02	1.21005E+01	-3.49375E+01	9.99444E-01
15	.00000E+00	.00000E+00	2.39709E+02	1.30177E+02	2.50921E+02	1.96462E+01	-3.04375E+01	9.99123E-01
16	.00000E+00	.00000E+00	2.49188E+02	1.79524E+02	4.03435E+02	2.70461E+01	-1.81125E+02	9.99663E-01
17	.00000E+00	.00000E+00	4.17731E+02	4.67225E+02	6.27968E+02	4.97345E+01	-2.59750E+02	9.99736E-01
18	.00000E+00	.00000E+00	6.85297E+02	1.44261E+03	1.13268E+03	2.89157E+01	-4.77750E+02	1.00106E+00
19	.00000E+00	.00000E+00	1.02354E+03	4.77672E+02	8.70204E+02	7.42827E+00	1.45750E+02	1.00008E+00
20	.00000E+00	.00000E+00	6.17740E+02	2.31742E+02	8.37917E+02	7.39231E+00	-2.26875E+02	9.99438E-01
21	.00000E+00	.00000E+00	1.10655E+03	1.50292E+03	2.11890E+03	1.69896E+02	-1.18100E+03	9.99435E-01
22	.00000E+00	.00000E+00	2.05638E+03	1.84938E+03	2.31844E+03	2.59686E+01	-2.86250E+02	9.99568E-01
23	.00000E+00	.00000E+00	2.48017E+03	5.55730E+03	3.27560E+03	7.09975E+01	-8.68375E+02	1.00039E+00
24	.00000E+00	.00000E+00	3.14582E+03	2.61525E+03	4.01930E+03	4.94609E+00	-9.85000E+02	1.01723E+00
25	.00000E+00	.00000E+00	4.15022E+03	9.48543E+03	3.18796E+03	5.91155E+00	1.01150E+03	9.93399E-01
26	.00000E+00	.00000E+00	3.18818E+03	1.27280E+04	4.82708E+03	5.22514E+00	-1.64050E+03	9.99432E-01
27	.00000E+00	.00000E+00	4.82720E+03	1.14853E+04	4.35322E+03	3.82250E+00	4.70250E+02	9.99990E-01
28	.00000E+00	.00000E+00	4.35328E+03	1.08747E+04	4.32539E+03	3.42010E+00	2.18750E+01	1.00030E+00
29	.00000E+00	.00000E+00	4.26483E+03	2.30348E+03	2.72006E+03	1.15704E+00	1.54413E+03	9.99940E-01
30	.00000E+00	.00000E+00	2.54202E+03	1.13602E+03	1.83539E+03	7.14520E-01	6.70992E+02	1.00692E+00
31	.00000E+00	.00000E+00	1.01889E+03	6.42147E+02	3.65522E+03	1.05499E+00	-2.64169E+03	1.00211E+00
32	.00000E+00	.00000E+00	2.38079E+03	8.45570E+02	3.42424E+03	1.05997E+00	-1.04484E+03	1.00007E+00
33	.00000E+00	.00000E+00	5.75365E+03	2.38038E+03	1.37659E+03	9.75184E-01	4.37456E+03	1.00013E+00
34	.00000E+00	.00000E+00	1.37659E+03	1.77834E+04	4.09531E+03	6.88049E+00	-2.72469E+03	9.99670E-01

35	.00000E+00	.00000E+00	4.09535E+03	1.36736E+04	2.94379E+03	7.10882E+00	1.14406E+03	1.00005E+00
36	.00000E+00	.00000E+00	2.94390E+03	7.56332E+03	1.89923E+03	5.79014E+00	1.02724E+03	1.00198E+00
37	.00000E+00	.00000E+00	1.89929E+03	7.43760E+03	9.13452E+02	8.27030E+00	9.90766E+02	9.96538E-01
38	.00000E+00	.00000E+00	9.13413E+02	2.87938E+03	6.39837E+02	5.65137E+00	2.62438E+02	1.00301E+00
39	.00000E+00	.00000E+00	6.39848E+02	1.82233E+03	4.03920E+02	5.19407E+00	2.33719E+02	9.97673E-01
40	.00000E+00	.00000E+00	4.03903E+02	1.36817E+03	2.14886E+02	5.74381E+00	1.83422E+02	9.99816E-01
41	.00000E+00	.00000E+00	2.14886E+02	1.13514E+03	1.37617E+02	8.14463E+00	6.87969E+01	1.00076E+00
42	.00000E+00	.00000E+00	1.37622E+02	4.33741E+02	9.55524E+01	5.52978E+00	3.66016E+01	9.99776E-01
43	.00000E+00	.00000E+00	9.55642E+01	3.67318E+02	5.64522E+01	6.89095E+00	3.22109E+01	1.00005E+00
44	.00000E+00	.00000E+00	5.64375E+01	1.52659E+02	3.06865E+01	4.58638E+00	2.11816E+01	9.99850E-01
45	.00000E+00	.00000E+00	3.06778E+01	6.64386E+01	1.32967E+01	2.89828E+00	1.44951E+01	9.99799E-01
46	.00000E+00	.00000E+00	1.33005E+01	3.83844E+01	2.05986E+00	2.49547E+00	8.74805E+00	9.99891E-01
47	.00000E+00	.00000E+00	2.06069E+00	4.03893E+00	4.04358E-04	5.61430E-01	1.49890E+00	9.99990E-01
48	.00000E+00	.00000E+00	7.95208E-01	1.72428E-03	5.88895E-02	.00000E+00	7.36298E-01	1.00001E+00
49	.00000E+00	.00000E+00	2.28565E-01	1.17266E+00	2.76748E+01	.00000E+00	-2.74688E+01	1.05188E+00
50	.00000E+00	.00000E+00	1.90826E+00	1.30217E+00	3.58740E+01	.00000E+00	-3.39844E+01	1.00490E+00
51	.00000E+00	.00000E+00	5.53842E+00	4.49041E-01	1.64611E+01	.00000E+00	-1.09297E+01	1.00063E+00
52	.00000E+00	.00000E+00	1.10153E+01	1.01345E+00	2.05420E+01	.00000E+00	-9.50391E+00	9.98967E-01
53	.00000E+00	.00000E+00	1.04131E+01	2.65666E+00	3.88560E+01	.00000E+00	-2.83906E+01	9.97494E-01
54	.00000E+00	.00000E+00	1.59624E+01	1.71562E+01	1.69498E+02	.00000E+00	-1.53500E+02	9.98884E-01
55	.00000E+00	.00000E+00	7.84373E+01	1.29183E+03	9.48635E+03	.00000E+00	-9.42400E+03	1.11429E+00
56	.00000E+00	.00000E+00	1.82817E+03	2.74534E+05	2.01297E+06	.00000E+00	-2.01114E+06	9.98203E-01
57	.00000E+00	.00000E+00	5.85257E+05	5.04515E+06	2.38226E+07	.00000E+00	-2.32161E+07	9.82228E-01
58	.00000E+00	.00000E+00	5.12258E+06	2.68281E+06	1.89265E+07	.00000E+00	-1.38281E+07	1.00237E+00
59	.00000E+00	.00000E+00	5.36832E+06	5.80148E+06	6.14829E+07	.00000E+00	-5.60660E+07	9.95498E-01
60	.00000E+00	.00000E+00	1.68286E+07	8.92965E+06	7.55749E+07	.00000E+00	-5.86875E+07	9.98256E-01
61	.00000E+00	.00000E+00	6.48100E+07	4.26376E+07	1.14990E+08	.00000E+00	-5.01350E+07	9.99650E-01
62	.00000E+00	.00000E+00	1.70849E+08	1.41687E+08	1.53851E+08	.00000E+00	1.70721E+07	9.99784E-01
63	.00000E+00	.00000E+00	1.86838E+08	1.23986E+08	5.48646E+07	.00000E+00	1.31800E+08	1.00046E+00
64	.00000E+00	.00000E+00	5.37639E+07	1.37763E+07	2.92527E+06	.00000E+00	5.08396E+07	9.99991E-01
65	.00000E+00	.00000E+00	2.44456E+06	3.25245E+05	3.89072E+04	.00000E+00	2.40568E+06	9.99994E-01
66	.00000E+00	.00000E+00	1.05038E+03	1.69674E+01	1.74860E+01	.00000E+00	1.03290E+03	1.00000E+00
67	.00000E+00	.00000E+00	7.33809E-01	6.76008E-02	2.75230E-01	.00000E+00	4.58577E-01	1.00000E+00
68	.00000E+00	.00000E+00	5.06671E+08	3.45269E+08	5.08558E+08	6.92356E+02	-1.83594E+06	9.99949E-01

0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	4.79005E+00	3.14217E+00	3.10001E+00	1.52084E+03	1.52102E+03	.00000E+00	3.54462E+03	3.54462E+03
3	4.19290E+01	2.72273E+01	2.67492E+01	1.31229E+04	1.31243E+04	.00000E+00	3.10158E+04	3.10158E+04
4	6.94675E+01	4.43714E+01	4.32778E+01	2.12317E+04	2.12335E+04	.00000E+00	5.13564E+04	5.13564E+04
5	2.10904E+02	1.34862E+02	1.31643E+02	6.45828E+04	6.45894E+04	.00000E+00	1.55896E+05	1.55896E+05
6	1.31154E+03	8.32027E+02	8.08047E+02	3.96421E+05	3.96459E+05	.00000E+00	9.68928E+05	9.68928E+05
7	2.94453E+03	1.79877E+03	1.71137E+03	8.39585E+05	8.39654E+05	.00000E+00	2.17280E+06	2.17280E+06
8	4.47136E+03	2.49499E+03	2.24343E+03	1.10061E+06	1.10068E+06	.00000E+00	3.29264E+06	3.29264E+06
9	3.01890E+03	1.54947E+03	1.30922E+03	6.42290E+05	6.42347E+05	.00000E+00	2.21881E+06	2.21881E+06
10	3.37000E+03	1.76571E+03	1.51147E+03	7.41515E+05	7.41603E+05	.00000E+00	2.47735E+06	2.47735E+06
11	4.18084E+03	2.01817E+03	1.60959E+03	7.89652E+05	7.89740E+05	.00000E+00	3.06820E+06	3.06820E+06
12	1.96043E+03	9.32374E+02	7.31607E+02	3.58920E+05	3.58949E+05	.00000E+00	1.43873E+06	1.43873E+06
13	4.70640E+02	2.31282E+02	1.88416E+02	9.24354E+04	9.24429E+04	.00000E+00	3.45832E+05	3.45832E+05
14	2.49574E+03	1.16129E+03	8.96505E+02	4.39817E+05	4.39852E+05	.00000E+00	1.83039E+06	1.83039E+06
15	6.82299E+03	2.89604E+03	2.02655E+03	9.94206E+05	9.94237E+05	.00000E+00	4.99587E+06	4.99587E+06
16	7.96408E+03	3.35434E+03	2.31939E+03	1.13787E+06	1.13805E+06	.00000E+00	5.83571E+06	5.83571E+06
17	1.35790E+04	5.32790E+03	3.35386E+03	1.64537E+06	1.64563E+06	.00000E+00	9.92678E+06	9.92678E+06
18	3.01555E+04	1.00780E+04	4.69102E+03	2.30137E+06	2.30185E+06	.00000E+00	2.19790E+07	2.19790E+07
19	1.90886E+04	6.96475E+03	3.89163E+03	1.90920E+06	1.90906E+06	.00000E+00	1.39377E+07	1.39377E+07
20	1.39539E+04	4.98982E+03	2.58422E+03	1.26779E+06	1.26802E+06	.00000E+00	1.01828E+07	1.01828E+07
21	4.46981E+04	1.40667E+04	5.07032E+03	2.48746E+06	2.48864E+06	.00000E+00	3.26604E+07	3.26604E+07
22	4.77224E+04	1.51960E+04	6.01670E+03	2.95174E+06	2.95202E+06	.00000E+00	3.47585E+07	3.47585E+07
23	6.23193E+04	1.69835E+04	2.61577E+03	1.28327E+06	1.28414E+06	.00000E+00	4.53952E+07	4.53952E+07
24	5.73548E+04	1.59580E+04	2.63381E+03	1.29212E+06	1.29311E+06	.00000E+00	4.18793E+07	4.18793E+07
25	1.00415E+05	3.03422E+04	9.21560E+03	4.52109E+06	4.52008E+06	.00000E+00	7.31337E+07	7.31337E+07

26	1.20231E+05	3.31333E+04	5.09031E+03	2.49726E+06	2.49890E+06	.00000E+00	8.76793E+07	8.76793E+07
27	9.46404E+04	2.66120E+04	4.66235E+03	2.28731E+06	2.28684E+06	.00000E+00	6.90609E+07	6.90609E+07
28	7.92907E+04	2.12563E+04	2.56199E+03	1.25689E+06	1.25687E+06	.00000E+00	5.76916E+07	5.76916E+07
29	2.36348E+04	7.01611E+03	1.85042E+03	9.07797E+05	9.06253E+05	.00000E+00	1.72281E+07	1.72281E+07
30	1.31549E+04	3.47058E+03	2.50873E+02	1.23076E+05	1.22405E+05	.00000E+00	9.58459E+06	9.58459E+06
31	1.82448E+04	5.58997E+03	1.81882E+03	8.92297E+05	8.94939E+05	.00000E+00	1.34447E+07	1.34447E+07
32	1.80236E+04	4.85602E+03	6.16719E+02	3.02557E+05	3.03602E+05	.00000E+00	1.31384E+07	1.31384E+07
33	1.50937E+04	4.76279E+03	1.60623E+03	7.88002E+05	7.83628E+05	.00000E+00	1.10180E+07	1.10180E+07
34	8.00659E+04	2.01397E+04	4.89066E+02	2.39932E+05	2.42656E+05	.00000E+00	5.81802E+07	5.81802E+07
35	5.55680E+04	1.46197E+04	1.15829E+03	5.68245E+05	5.67101E+05	.00000E+00	4.04974E+07	4.04974E+07
36	3.00547E+04	7.59526E+03	-3.87632E+01	-1.90169E+04	-2.00441E+04	.00000E+00	2.19002E+07	2.19002E+07
37	2.57858E+04	6.27578E+03	-4.74876E+02	-2.32970E+05	-2.33961E+05	.00000E+00	1.87856E+07	1.87856E+07
38	1.07365E+04	2.58396E+03	-2.69419E+02	-1.32175E+05	-1.32437E+05	.00000E+00	7.82270E+06	7.82270E+06
39	6.76184E+03	1.50608E+03	-3.94821E+02	-1.93696E+05	-1.93930E+05	.00000E+00	4.92610E+06	4.92610E+06
40	4.79643E+03	1.04729E+03	-3.35564E+02	-1.64625E+05	-1.64808E+05	.00000E+00	3.49519E+06	3.49519E+06
41	3.85276E+03	8.14528E+02	-3.19306E+02	-1.56649E+05	-1.56717E+05	.00000E+00	2.80733E+06	2.80733E+06
42	1.60151E+03	3.34255E+02	-1.40991E+02	-6.91691E+04	-6.92058E+04	.00000E+00	1.16692E+06	1.16692E+06
43	1.28170E+03	2.73143E+02	-1.02929E+02	-5.04960E+04	-5.05282E+04	.00000E+00	9.33964E+05	9.33964E+05
44	5.54300E+02	1.16364E+02	-4.77231E+01	-2.34125E+04	-2.34337E+04	.00000E+00	4.03896E+05	4.03896E+05
45	2.40849E+02	5.07607E+01	-2.04764E+01	-1.00455E+04	-1.00600E+04	.00000E+00	1.75500E+05	1.75500E+05
46	1.21791E+02	2.55701E+01	-1.05856E+01	-5.19322E+03	-5.20197E+03	.00000E+00	8.87472E+04	8.87472E+04
47	1.18715E+01	2.51656E+00	-9.89320E-01	-4.85352E+02	-4.86850E+02	.00000E+00	8.65001E+03	8.65001E+03
48	3.52307E+00	5.76261E-01	-3.49027E-01	-1.71229E+02	-1.71966E+02	.00000E+00	2.50446E+03	2.50446E+03
49	1.55958E+03	2.05745E+02	-2.57851E+02	-1.26499E+05	-1.26472E+05	.00000E+00	1.10933E+06	1.10933E+06
50	1.84703E+03	3.37895E+02	-1.99563E+02	-9.79039E+04	-9.78699E+04	.00000E+00	1.34215E+06	1.34215E+06
51	7.76747E+02	1.63380E+02	-3.96334E+01	-1.94438E+04	-1.94329E+04	.00000E+00	5.63705E+05	5.63705E+05
52	9.24522E+02	2.10024E+02	-1.39834E+01	-6.86015E+03	-6.85065E+03	.00000E+00	6.69430E+05	6.69430E+05
53	1.60861E+03	5.28775E+02	2.20087E+02	1.07973E+05	1.08001E+05	.00000E+00	1.17150E+06	1.17150E+06
54	6.29794E+03	3.50901E+03	3.00960E+03	1.47648E+06	1.47663E+06	.00000E+00	4.62896E+06	4.62896E+06
55	2.93620E+05	2.14291E+05	2.13592E+05	1.04786E+08	1.04796E+08	.00000E+00	2.17146E+08	2.17146E+08
56	5.25877E+07	3.92716E+07	3.92857E+07	1.92732E+10	1.92752E+10	.00000E+00	3.88815E+10	3.88815E+10
57	5.52367E+08	4.13091E+08	4.13143E+08	2.02684E+11	2.02707E+11	.00000E+00	4.08475E+11	4.08475E+11
58	3.54199E+08	2.56745E+08	2.56391E+08	1.25783E+11	1.25797E+11	.00000E+00	2.62024E+11	2.62024E+11
59	1.01410E+09	7.76140E+08	7.75499E+08	3.80453E+11	3.80509E+11	.00000E+00	7.49168E+11	7.49168E+11
60	1.19579E+09	8.89357E+08	8.87651E+08	4.35474E+11	4.35532E+11	.00000E+00	8.83990E+11	8.83990E+11
61	1.97495E+09	1.22442E+09	1.19574E+09	5.86620E+11	5.86670E+11	.00000E+00	1.45613E+12	1.45613E+12
62	3.00508E+09	1.08910E+09	6.67979E+08	3.27704E+11	3.27687E+11	.00000E+00	2.19122E+12	2.19122E+12
63	1.43812E+09	3.89550E+08	3.17469E+07	1.55747E+10	1.54429E+10	.00000E+00	1.04961E+12	1.04961E+12
64	1.13733E+08	3.20659E+07	6.19978E+06	3.04156E+09	2.99072E+09	.00000E+00	8.29844E+10	8.29844E+10
65	2.03512E+06	6.61070E+05	3.20992E+05	1.57476E+08	1.55070E+08	.00000E+00	1.50012E+09	1.50012E+09
66	8.92569E+01	2.94479E+01	1.31914E+01	6.47159E+03	5.43870E+03	.00000E+00	6.58001E+04	6.58001E+04
67	2.76732E-01	7.40861E-02	1.70090E-02	8.34444E+00	7.88586E+00	.00000E+00	2.04481E+02	2.04481E+02
68	9.70430E+09	5.11092E+09	4.27425E+09	2.09691E+12	2.09691E+12	.00000E+00	7.12496E+12	7.12496E+12

1 SUMMARY FOR ZONE 4 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 9.93750E+02

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	4.05038E+02	3.82343E+02	1.08085E+02	-4.90427E+02	.00000E+00
3	.00000E+00	.00000E+00	4.65627E+01	4.24144E+03	3.30580E+03	1.04252E+03	-4.30176E+03	9.99997E-01
4	.00000E+00	.00000E+00	3.70727E+02	7.86107E+03	5.71682E+03	1.70273E+03	-7.04887E+03	1.00005E+00
5	.00000E+00	.00000E+00	7.85981E+02	2.59874E+04	1.80596E+04	4.92545E+03	-2.21992E+04	1.00009E+00
6	.00000E+00	.00000E+00	2.90507E+03	1.71769E+05	1.17647E+05	2.73809E+04	-1.42123E+05	1.00014E+00
7	.00000E+00	.00000E+00	1.81175E+04	4.06868E+05	2.72567E+05	4.80334E+04	-3.02485E+05	1.00007E+00
8	.00000E+00	.00000E+00	6.63482E+04	6.55897E+05	3.98620E+05	5.25676E+04	-3.84840E+05	1.00000E+00
9	.00000E+00	.00000E+00	9.48762E+04	4.22025E+05	2.81663E+05	2.22484E+04	-2.09035E+05	1.00000E+00
10	.00000E+00	.00000E+00	1.05589E+05	4.46999E+05	3.36955E+05	1.74645E+04	-2.48831E+05	9.99999E-01
11	.00000E+00	.00000E+00	1.81185E+05	5.78362E+05	4.06919E+05	1.62149E+04	-2.41949E+05	1.00000E+00
12	.00000E+00	.00000E+00	1.55667E+05	1.98970E+05	2.62161E+05	5.97707E+03	-1.12470E+05	1.00000E+00
13	.00000E+00	.00000E+00	5.30181E+04	1.93834E+04	8.11909E+04	1.32190E+03	-2.94946E+04	1.00000E+00
14	.00000E+00	.00000E+00	1.96518E+05	2.65334E+05	3.17223E+05	6.38867E+03	-1.27093E+05	9.99999E-01

15	.00000E+00	.00000E+00	3.23653E+05	1.02274E+06	5.43624E+05	1.20192E+04	-2.31992E+05	1.00000E+00
16	.00000E+00	.00000E+00	3.26494E+05	1.17455E+06	6.29146E+05	8.62795E+03	-3.11282E+05	1.00000E+00
17	.00000E+00	.00000E+00	5.61210E+05	2.35768E+06	8.50305E+05	1.02540E+04	-2.99352E+05	1.00000E+00
18	.00000E+00	.00000E+00	9.53170E+05	6.25847E+06	8.30662E+05	1.75159E+04	1.04985E+05	1.00000E+00
19	.00000E+00	.00000E+00	7.78452E+05	3.41645E+06	1.00263E+06	9.77194E+03	-2.33963E+05	1.00001E+00
20	.00000E+00	.00000E+00	1.05815E+06	2.57424E+06	1.24624E+06	8.15176E+03	-1.96245E+05	1.00000E+00
21	.00000E+00	.00000E+00	1.52222E+06	9.18102E+06	2.28295E+06	2.70360E+04	-7.87820E+05	1.00002E+00
22	.00000E+00	.00000E+00	2.49138E+06	9.63941E+06	2.10167E+06	2.67446E+04	3.62946E+05	1.00000E+00
23	.00000E+00	.00000E+00	2.35008E+06	1.89105E+07	1.80053E+06	3.99535E+04	5.09474E+05	1.00003E+00
24	.00000E+00	.00000E+00	1.95805E+06	1.58286E+07	2.73108E+06	4.79850E+04	-8.21324E+05	1.00008E+00
25	.00000E+00	.00000E+00	3.02167E+06	3.47966E+07	2.30946E+06	9.37629E+04	6.18399E+05	1.00001E+00
26	.00000E+00	.00000E+00	2.44439E+06	5.01848E+07	2.92487E+06	1.41274E+05	-6.21644E+05	9.99977E-01
27	.00000E+00	.00000E+00	2.99844E+06	4.74338E+07	4.59326E+06	1.30098E+05	-1.72518E+06	1.00004E+00
28	.00000E+00	.00000E+00	4.63747E+06	4.14472E+07	2.29866E+06	1.21584E+05	2.21774E+06	9.99944E-01
29	.00000E+00	.00000E+00	2.30956E+06	1.06255E+07	2.36380E+06	7.34621E+04	-1.27697E+05	1.00000E+00
30	.00000E+00	.00000E+00	2.37087E+06	1.44654E+07	2.25769E+06	3.02191E+04	8.30594E+04	9.99979E-01
31	.00000E+00	.00000E+00	2.25395E+06	6.34923E+06	5.46711E+06	1.90139E+04	-3.23219E+06	1.00000E+00
32	.00000E+00	.00000E+00	5.46454E+06	8.37809E+06	4.85196E+06	3.12894E+04	5.81275E+05	1.00000E+00
33	.00000E+00	.00000E+00	4.87296E+06	2.08700E+07	6.03771E+06	3.08363E+04	-1.19560E+06	1.00000E+00
34	.00000E+00	.00000E+00	6.05100E+06	4.16694E+07	2.30823E+06	2.23663E+05	3.51947E+06	9.99970E-01
35	.00000E+00	.00000E+00	2.31137E+06	3.68448E+07	1.92800E+06	8.99756E+04	2.93558E+05	9.99964E-01
36	.00000E+00	.00000E+00	1.92953E+06	3.32721E+07	1.57036E+06	1.64608E+05	1.94560E+05	1.00000E+00
37	.00000E+00	.00000E+00	1.57001E+06	2.93849E+07	9.05384E+05	2.78949E+05	3.85623E+05	1.00002E+00
38	.00000E+00	.00000E+00	9.05204E+05	1.74205E+07	6.56294E+05	1.19839E+05	1.29104E+05	9.99982E-01
39	.00000E+00	.00000E+00	6.56042E+05	9.29001E+06	4.52031E+05	1.02425E+05	1.01573E+05	1.00001E+00
40	.00000E+00	.00000E+00	4.51937E+05	7.37685E+06	2.61937E+05	1.94861E+05	-4.88873E+03	1.00003E+00
41	.00000E+00	.00000E+00	2.61890E+05	5.99816E+06	1.71733E+05	5.35261E+04	3.66302E+04	1.00000E+00
42	.00000E+00	.00000E+00	1.71763E+05	2.48608E+06	1.21074E+05	3.31727E+04	1.75150E+04	1.00000E+00
43	.00000E+00	.00000E+00	1.21042E+05	1.99181E+06	7.05440E+04	4.09224E+04	9.57333E+03	1.00001E+00
44	.00000E+00	.00000E+00	7.05662E+04	8.68497E+05	3.84577E+04	2.77351E+04	4.37357E+03	9.99999E-01
45	.00000E+00	.00000E+00	3.84757E+04	3.76685E+05	1.93508E+04	1.76154E+04	1.50939E+03	1.00000E+00
46	.00000E+00	.00000E+00	1.93595E+04	2.00702E+05	3.56925E+03	1.54640E+04	3.26295E+02	9.99999E-01
47	.00000E+00	.00000E+00	3.56745E+03	2.03809E+04	2.92969E-01	3.54067E+03	2.64964E+01	9.99999E-01
48	.00000E+00	.00000E+00	1.48784E+03	1.43277E+01	8.14346E+02	.00000E+00	6.73493E+02	1.00000E+00
49	.00000E+00	.00000E+00	7.38715E+05	1.05649E+04	3.84815E+05	.00000E+00	3.53899E+05	1.00000E+00
50	.00000E+00	.00000E+00	5.14300E+05	1.17358E+04	4.65086E+05	.00000E+00	4.92143E+04	1.00000E+00
51	.00000E+00	.00000E+00	2.20158E+05	3.88512E+03	1.89911E+05	.00000E+00	3.02464E+04	1.00000E+00
52	.00000E+00	.00000E+00	2.74515E+05	8.45276E+03	2.18692E+05	.00000E+00	5.58233E+04	1.00000E+00
53	.00000E+00	.00000E+00	3.72386E+05	2.07668E+04	3.65242E+05	.00000E+00	7.14476E+03	1.00000E+00
54	.00000E+00	.00000E+00	6.45151E+05	1.13635E+05	1.26560E+06	.00000E+00	-6.20451E+05	1.00000E+00
55	.00000E+00	.00000E+00	1.27693E+06	7.39732E+06	5.67485E+07	.00000E+00	-5.54716E+07	1.00000E+00
56	.00000E+00	.00000E+00	1.09615E+07	1.51400E+09	1.11100E+10	.00000E+00	-1.10991E+10	9.99981E-01
57	.00000E+00	.00000E+00	3.16814E+09	2.71093E+10	1.26133E+11	.00000E+00	-1.22965E+11	1.00000E+00
58	.00000E+00	.00000E+00	2.69294E+10	1.50339E+10	1.01879E+11	.00000E+00	-7.49498E+10	1.00000E+00
59	.00000E+00	.00000E+00	2.84185E+10	3.02039E+10	2.94847E+11	.00000E+00	-2.66428E+11	1.00000E+00
60	.00000E+00	.00000E+00	8.25160E+10	4.82364E+10	3.76036E+11	.00000E+00	-2.93520E+11	1.00000E+00
61	.00000E+00	.00000E+00	3.18910E+11	2.48960E+11	6.56062E+11	.00000E+00	-3.37152E+11	1.00000E+00
62	.00000E+00	.00000E+00	8.92351E+11	8.61644E+11	1.06094E+12	.00000E+00	-1.68587E+11	1.00000E+00
63	.00000E+00	.00000E+00	1.03070E+12	8.05605E+11	1.05046E+12	.00000E+00	-1.97621E+10	1.00000E+00
64	.00000E+00	.00000E+00	2.86391E+11	9.72608E+10	2.89576E+11	.00000E+00	-3.18506E+09	1.00000E+00
65	.00000E+00	.00000E+00	1.20496E+10	1.75470E+09	1.21804E+10	.00000E+00	-1.30772E+08	1.00000E+00
66	.00000E+00	.00000E+00	3.12951E+06	1.16587E+05	3.13494E+06	.00000E+00	-5.43358E+03	1.00000E+00
67	.00000E+00	.00000E+00	5.24907E+04	8.60667E+02	5.25077E+04	.00000E+00	-1.69667E+01	1.00000E+00
68	.00000E+00	.00000E+00	2.68151E+12	2.13783E+12	3.97935E+12	2.45127E+06	-1.29784E+12	1.00000E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	3.01597E+00	2.07652E+00	2.04789E+00	1.03041E+03	1.52084E+03	.00000E+00	3.79620E+03	3.79620E+03
3	2.62004E+01	1.78352E+01	1.75316E+01	8.82115E+03	1.31229E+04	.00000E+00	3.31275E+04	3.31275E+04
4	4.32407E+01	2.88734E+01	2.81876E+01	1.41828E+04	2.12317E+04	.00000E+00	5.47965E+04	5.47965E+04
5	1.29658E+02	8.63495E+01	8.42353E+01	4.23836E+04	6.45828E+04	.00000E+00	1.65376E+05	1.65376E+05

6	7.91758E+02	5.21111E+02	5.05403E+02	2.54297E+05	3.96421E+05	.00000E+00	1.01980E+06	1.01980E+06
7	1.78730E+03	1.12499E+03	1.06746E+03	5.37100E+05	8.39585E+05	.00000E+00	2.29523E+06	2.29523E+06
8	2.81427E+03	1.59598E+03	1.42255E+03	7.15766E+05	1.10061E+06	.00000E+00	3.54145E+06	3.54145E+06
9	1.96996E+03	1.02572E+03	8.61071E+02	4.33254E+05	6.42290E+05	.00000E+00	2.43432E+06	2.43432E+06
10	2.16003E+03	1.14965E+03	9.79186E+02	4.92685E+05	7.41515E+05	.00000E+00	2.69684E+06	2.69684E+06
11	2.75214E+03	1.35704E+03	1.08853E+03	5.47703E+05	7.89652E+05	.00000E+00	3.39290E+06	3.39290E+06
12	1.30350E+03	6.27473E+02	4.89806E+02	2.46450E+05	3.58920E+05	.00000E+00	1.59584E+06	1.59584E+06
13	3.13827E+02	1.55796E+02	1.25092E+02	6.29408E+04	9.24354E+04	.00000E+00	3.82498E+05	3.82498E+05
14	1.67572E+03	7.97482E+02	6.21523E+02	3.12724E+05	4.39817E+05	.00000E+00	2.04427E+06	2.04427E+06
15	4.76052E+03	2.09325E+03	1.51486E+03	7.62214E+05	9.94206E+05	.00000E+00	5.70120E+06	5.70120E+06
16	5.71511E+03	2.41501E+03	1.64281E+03	8.26590E+05	1.13787E+06	.00000E+00	6.70775E+06	6.70775E+06
17	9.74279E+03	3.99459E+03	2.67515E+03	1.34602E+06	1.64537E+06	.00000E+00	1.15228E+07	1.15228E+07
18	2.33358E+04	8.47011E+03	4.78252E+03	2.40636E+06	2.30137E+06	.00000E+00	2.66729E+07	2.66729E+07
19	1.45316E+04	5.51993E+03	3.32945E+03	1.67524E+06	1.90920E+06	.00000E+00	1.66614E+07	1.66614E+07
20	1.05651E+04	3.86967E+03	2.12965E+03	1.07155E+06	1.26779E+06	.00000E+00	1.21659E+07	1.21659E+07
21	3.88628E+04	1.16669E+04	3.37794E+03	1.69964E+06	2.48746E+06	.00000E+00	4.10406E+07	4.10406E+07
22	3.89449E+04	1.33121E+04	6.58777E+03	3.31468E+06	2.95174E+06	.00000E+00	4.32926E+07	4.32926E+07
23	5.57283E+04	1.58526E+04	3.56299E+03	1.79275E+06	1.28327E+06	.00000E+00	5.88192E+07	5.88192E+07
24	5.47585E+04	1.43277E+04	9.35688E+02	4.70799E+05	1.29212E+06	.00000E+00	5.50367E+07	5.50367E+07
25	7.85433E+04	2.52689E+04	1.02145E+04	5.13949E+06	4.52109E+06	.00000E+00	8.96417E+07	8.96417E+07
26	1.08144E+05	2.93073E+04	3.72769E+03	1.87562E+06	2.49726E+06	.00000E+00	1.12757E+08	1.12757E+08
27	8.55528E+04	2.24038E+04	1.11720E+03	5.62128E+05	2.28731E+06	.00000E+00	8.80537E+07	8.80537E+07
28	6.15882E+04	1.90735E+04	6.90565E+03	3.47463E+06	1.25689E+06	.00000E+00	7.19434E+07	7.19434E+07
29	1.76686E+04	5.31675E+03	1.55041E+03	7.80100E+05	9.07797E+05	.00000E+00	2.05562E+07	2.05562E+07
30	1.00765E+04	2.77166E+03	4.09684E+02	2.06135E+05	1.23076E+05	.00000E+00	1.16670E+07	1.16670E+07
31	2.52455E+04	3.54402E+03	-4.65041E+03	-2.33989E+06	8.92297E+05	.00000E+00	1.75814E+07	1.75814E+07
32	1.52415E+04	4.71912E+03	1.75657E+03	8.83831E+05	3.02557E+05	.00000E+00	1.65772E+07	1.65772E+07
33	1.22038E+04	2.68713E+03	-8.10084E+02	-4.07600E+05	7.88002E+05	.00000E+00	1.14825E+07	1.14825E+07
34	6.34695E+04	1.97365E+04	7.47163E+03	3.75941E+06	2.39932E+05	.00000E+00	7.38667E+07	7.38667E+07
35	4.85472E+04	1.31661E+04	1.71279E+03	8.61803E+05	5.68245E+05	.00000E+00	5.18909E+07	5.18909E+07
36	2.86049E+04	7.43190E+03	3.48884E+02	1.75544E+05	-1.90169E+04	.00000E+00	2.93474E+07	2.93474E+07
37	2.61194E+04	6.77002E+03	3.03390E+02	1.52653E+05	-2.32970E+05	.00000E+00	2.62359E+07	2.62359E+07
38	1.18984E+04	3.01531E+03	-6.10381E+00	-3.07118E+03	-1.32175E+05	.00000E+00	1.14487E+07	1.14487E+07
39	8.77392E+03	2.12915E+03	-1.83089E+02	-9.21226E+04	-1.93696E+05	.00000E+00	7.83533E+06	7.83533E+06
40	7.32076E+03	1.68718E+03	-3.36899E+02	-1.69513E+05	-1.64625E+05	.00000E+00	6.00662E+06	6.00662E+06
41	5.96544E+03	1.39230E+03	-2.38531E+02	-1.20018E+05	-1.56649E+05	.00000E+00	4.92283E+06	4.92283E+06
42	2.52959E+03	5.89725E+02	-1.02660E+02	-5.16541E+04	-6.91691E+04	.00000E+00	2.07521E+06	2.07521E+06
43	1.99245E+03	4.64649E+02	-8.13317E+01	-4.09227E+04	-5.04960E+04	.00000E+00	1.64025E+06	1.64025E+06
44	8.84687E+02	2.05518E+02	-3.78390E+01	-1.90390E+04	-2.34125E+04	.00000E+00	7.21038E+05	7.21038E+05
45	3.87956E+02	8.99952E+01	-1.69651E+01	-8.53614E+03	-1.00455E+04	.00000E+00	3.14758E+05	3.14758E+05
46	2.03287E+02	4.68296E+01	-9.67276E+00	-4.86692E+03	-5.19322E+03	.00000E+00	1.62215E+05	1.62215E+05
47	2.03464E+01	4.71926E+00	-9.11951E-01	-4.58855E+02	-4.85352E+02	.00000E+00	1.60841E+04	1.60841E+04
48	2.46571E+00	1.07240E+00	9.98224E-01	5.02264E+02	-1.71229E+02	.00000E+00	3.32503E+03	3.32503E+03
49	1.27195E+03	5.15447E+02	4.51947E+02	2.27400E+05	-1.26499E+05	.00000E+00	1.59713E+06	1.59713E+06
50	2.02214E+03	4.40876E+02	-9.67682E+01	-4.86897E+04	-9.79039E+04	.00000E+00	1.92843E+06	1.92843E+06
51	7.64721E+02	1.95243E+02	2.14696E+01	1.08026E+04	-1.94438E+04	.00000E+00	7.73269E+05	7.73269E+05
52	8.19211E+02	2.47026E+02	9.73117E+01	4.89631E+04	-6.86015E+03	.00000E+00	8.88641E+05	8.88641E+05
53	1.30618E+03	4.52639E+02	2.28790E+02	1.15117E+05	1.07973E+05	.00000E+00	1.45753E+06	1.45753E+06
54	3.76340E+03	2.03829E+03	1.70132E+03	8.56030E+05	1.47648E+06	.00000E+00	4.87944E+06	4.87944E+06
55	1.27899E+05	9.84874E+04	9.80106E+04	4.93148E+07	1.04786E+08	.00000E+00	1.97266E+08	1.97266E+08
56	2.05672E+07	1.62476E+07	1.62457E+07	8.17416E+09	1.92732E+10	.00000E+00	3.37778E+10	3.37778E+10
57	2.00975E+08	1.58497E+08	1.58439E+08	7.97195E+10	2.02684E+11	.00000E+00	3.44583E+11	3.44583E+11
58	1.32993E+08	1.01150E+08	1.01029E+08	5.08336E+10	1.25783E+11	.00000E+00	2.24264E+11	2.24264E+11
59	2.83822E+08	2.26884E+08	2.26619E+08	1.14025E+11	3.80453E+11	.00000E+00	5.68558E+11	5.68558E+11
60	3.64116E+08	2.82733E+08	2.82126E+08	1.41954E+11	4.35474E+11	.00000E+00	6.94986E+11	6.94986E+11
61	7.69107E+08	5.03983E+08	4.95806E+08	2.49469E+11	5.86620E+11	.00000E+00	1.28536E+12	1.28536E+12
62	1.18742E+09	4.66424E+08	3.16238E+08	1.59118E+11	3.27704E+11	.00000E+00	1.95721E+12	1.95721E+12
63	5.73412E+08	1.44111E+08	-8.32228E+06	-4.18742E+09	1.55747E+10	.00000E+00	9.17757E+11	9.17757E+11
64	4.62648E+07	1.15409E+07	-2.85208E+05	-1.43504E+08	3.04156E+09	.00000E+00	6.85044E+10	6.85044E+10
65	7.55855E+05	2.09619E+05	5.30738E+04	2.67045E+07	1.57476E+08	.00000E+00	7.87377E+08	7.87377E+08

66	3.06756E+01	8.85603E+00	2.06301E+00	1.03802E+03	6.47159E+03	.00000E+00	2.57551E+04	2.57551E+04
67	2.28480E-01	4.75401E-02	-1.71363E-02	-8.62226E+00	8.34444E+00	.00000E+00	1.11993E+02	1.11993E+02
68	3.58047E+09	1.91214E+09	1.58812E+09	7.99072E+11	2.09691E+12	.00000E+00	6.09695E+12	6.09695E+12

1 SUMMARY FOR ZONE 5 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 5.34573E+03

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	7.06485E+02	7.54869E+02	9.39688E+01	-8.48839E+02	1.00000E+00
3	.00000E+00	.00000E+00	8.31194E+01	7.61553E+03	6.76007E+03	6.15730E+02	-7.29270E+03	1.00015E+00
4	.00000E+00	.00000E+00	6.94985E+02	1.42740E+04	1.16773E+04	7.45891E+02	-1.17283E+04	1.00006E+00
5	.00000E+00	.00000E+00	1.54163E+03	4.65171E+04	3.56217E+04	1.54148E+03	-3.56216E+04	1.00003E+00
6	.00000E+00	.00000E+00	5.81310E+03	2.96573E+05	2.18446E+05	4.73551E+03	-2.17367E+05	9.99958E-01
7	.00000E+00	.00000E+00	3.76888E+04	6.98942E+05	4.94944E+05	2.67912E+03	-4.59931E+05	9.99966E-01
8	.00000E+00	.00000E+00	1.26852E+05	1.22270E+06	7.30963E+05	8.58917E+02	-6.04964E+05	9.99979E-01
9	.00000E+00	.00000E+00	2.01561E+05	7.66665E+05	5.64533E+05	7.25586E+02	-3.63697E+05	9.99997E-01
10	.00000E+00	.00000E+00	2.13644E+05	7.57116E+05	6.34733E+05	8.61308E+02	-4.21948E+05	9.99995E-01
11	.00000E+00	.00000E+00	3.38057E+05	1.10336E+06	8.05149E+05	1.12425E+03	-4.68216E+05	1.00000E+00
12	.00000E+00	.00000E+00	2.99494E+05	3.79039E+05	5.05039E+05	5.46867E+02	-2.06091E+05	1.00000E+00
13	.00000E+00	.00000E+00	9.75630E+04	2.74002E+04	1.46618E+05	1.41819E+02	-4.91974E+04	1.00000E+00
14	.00000E+00	.00000E+00	3.55560E+05	4.80751E+05	6.12374E+05	7.32977E+02	-2.57543E+05	9.99994E-01
15	.00000E+00	.00000E+00	7.06987E+05	2.07149E+06	1.31609E+06	2.01037E+03	-6.11114E+05	1.00000E+00
16	.00000E+00	.00000E+00	8.62226E+05	2.30398E+06	1.46385E+06	2.55875E+03	-6.04174E+05	9.99992E-01
17	.00000E+00	.00000E+00	1.39388E+06	4.21506E+06	2.38478E+06	4.48073E+03	-9.95323E+05	9.99980E-01
18	.00000E+00	.00000E+00	2.06711E+06	1.21421E+07	3.53034E+06	1.36454E+04	-1.47672E+06	9.99964E-01
19	.00000E+00	.00000E+00	1.86084E+06	7.00595E+06	2.78780E+06	1.75136E+04	-9.44344E+05	9.99964E-01
20	.00000E+00	.00000E+00	2.57214E+06	7.08185E+06	3.34963E+06	1.94227E+04	-7.96914E+05	1.00000E+00
21	.00000E+00	.00000E+00	4.23804E+06	2.64394E+07	3.63100E+06	8.18103E+04	5.25924E+05	9.99918E-01
22	.00000E+00	.00000E+00	4.33249E+06	2.60134E+07	5.97000E+06	5.44964E+04	-1.69151E+06	9.99943E-01
23	.00000E+00	.00000E+00	6.89625E+06	6.06161E+07	6.33005E+06	7.12289E+04	4.95274E+05	9.99978E-01
24	.00000E+00	.00000E+00	6.95488E+06	5.25909E+07	4.41180E+06	1.22241E+05	2.42278E+06	9.99860E-01
25	.00000E+00	.00000E+00	5.48998E+06	7.06486E+07	8.50898E+06	1.37706E+05	-3.15630E+06	9.99962E-01
26	.00000E+00	.00000E+00	8.90439E+06	1.27209E+08	6.58268E+06	2.36507E+05	2.08730E+06	9.99882E-01
27	.00000E+00	.00000E+00	6.76311E+06	1.57537E+08	4.35202E+06	3.91392E+05	2.01978E+06	9.99995E-01
28	.00000E+00	.00000E+00	4.45215E+06	6.48424E+07	6.67834E+06	1.56812E+05	-2.38280E+06	9.99977E-01
29	.00000E+00	.00000E+00	6.69274E+06	2.86047E+07	7.26683E+06	7.59884E+04	-6.50060E+05	9.99999E-01
30	.00000E+00	.00000E+00	7.28337E+06	6.96503E+07	7.43084E+06	4.15783E+04	-1.89072E+05	1.00000E+00
31	.00000E+00	.00000E+00	7.40695E+06	6.23875E+06	1.89640E+06	5.76310E+04	5.45289E+06	1.00000E+00
32	.00000E+00	.00000E+00	1.62147E+06	2.20439E+06	2.00173E+06	1.05694E+05	-4.85938E+05	9.99997E-01
33	.00000E+00	.00000E+00	2.36397E+06	1.20743E+07	1.77231E+06	1.04439E+04	5.81501E+05	9.99940E-01
34	.00000E+00	.00000E+00	1.86106E+06	6.76940E+07	4.80036E+06	2.00655E+04	-2.96012E+06	1.00020E+00
35	.00000E+00	.00000E+00	4.82230E+06	8.60005E+07	4.69638E+06	2.63820E+04	9.97261E+04	9.99980E-01
36	.00000E+00	.00000E+00	4.70124E+06	8.71736E+07	4.36631E+06	6.53563E+04	2.70943E+05	9.99855E-01
37	.00000E+00	.00000E+00	4.36835E+06	8.66977E+07	2.83560E+06	1.39640E+06	1.37710E+05	9.99844E-01
38	.00000E+00	.00000E+00	2.83548E+06	6.22480E+07	2.39723E+06	3.27056E+05	1.11769E+05	9.99898E-01
39	.00000E+00	.00000E+00	2.39391E+06	4.02860E+07	2.06747E+06	1.24109E+05	2.02765E+05	9.99909E-01
40	.00000E+00	.00000E+00	2.06596E+06	4.21542E+07	1.59261E+06	1.98148E+05	2.75394E+05	9.99953E-01
41	.00000E+00	.00000E+00	1.59083E+06	3.78188E+07	1.12206E+06	3.13896E+05	1.55205E+05	9.99899E-01
42	.00000E+00	.00000E+00	1.12271E+06	1.66975E+07	8.42468E+05	2.31530E+05	4.88256E+04	9.99950E-01
43	.00000E+00	.00000E+00	8.42383E+05	1.44728E+07	5.31622E+05	3.08716E+05	-2.19040E+03	9.99914E-01
44	.00000E+00	.00000E+00	5.31039E+05	6.92145E+06	3.15657E+05	2.29342E+05	-1.38967E+04	9.99941E-01
45	.00000E+00	.00000E+00	3.16010E+05	3.51289E+06	1.88006E+05	1.70505E+05	-4.24633E+04	9.99942E-01
46	.00000E+00	.00000E+00	1.87958E+05	2.69307E+06	4.90538E+04	2.15009E+05	-7.60523E+04	9.99861E-01
47	.00000E+00	.00000E+00	4.89900E+04	4.95571E+05	2.85625E+01	8.91333E+04	-4.01650E+04	9.99930E-01
48	.00000E+00	.00000E+00	2.34394E+02	1.28661E+01	7.18520E+02	.00000E+00	-4.84126E+02	1.00000E+00
49	.00000E+00	.00000E+00	2.83321E+05	1.36616E+04	4.89957E+05	.00000E+00	-2.06636E+05	1.00000E+00
50	.00000E+00	.00000E+00	2.55559E+06	5.78348E+04	2.26134E+06	.00000E+00	2.94249E+05	1.00000E+00
51	.00000E+00	.00000E+00	8.13148E+05	1.55012E+04	7.49587E+05	.00000E+00	6.35612E+04	1.00000E+00
52	.00000E+00	.00000E+00	7.20560E+05	2.74289E+04	7.02810E+05	.00000E+00	1.77491E+04	1.00000E+00
53	.00000E+00	.00000E+00	1.06015E+06	6.17640E+04	1.07793E+06	.00000E+00	-1.77870E+04	1.00000E+00
54	.00000E+00	.00000E+00	1.57495E+06	2.04433E+05	2.26487E+06	.00000E+00	-6.89921E+05	1.00000E+00

55	.00000E+00	.00000E+00	2.48592E+06	6.51042E+06	4.98466E+07	.00000E+00	-4.73607E+07	1.00000E+00
56	.00000E+00	.00000E+00	1.03941E+07	1.08926E+09	7.99289E+09	.00000E+00	-7.98250E+09	1.00010E+00
57	.00000E+00	.00000E+00	2.28455E+09	1.73302E+10	8.06752E+10	.00000E+00	-7.83906E+10	1.00000E+00
58	.00000E+00	.00000E+00	1.73626E+10	9.91305E+09	6.73368E+10	.00000E+00	-4.99742E+10	1.00000E+00
59	.00000E+00	.00000E+00	1.85883E+10	1.34381E+10	1.31837E+11	.00000E+00	-1.13248E+11	1.00000E+00
60	.00000E+00	.00000E+00	4.26888E+10	2.34504E+10	1.83600E+11	.00000E+00	-1.40911E+11	1.00000E+00
61	.00000E+00	.00000E+00	1.61786E+11	1.55392E+11	4.08665E+11	.00000E+00	-2.46879E+11	1.00000E+00
62	.00000E+00	.00000E+00	5.14633E+11	5.59796E+11	6.71433E+11	.00000E+00	-1.56800E+11	1.00000E+00
63	.00000E+00	.00000E+00	6.63590E+11	5.62221E+11	6.59034E+11	.00000E+00	4.55592E+09	1.00000E+00
64	.00000E+00	.00000E+00	2.02998E+11	7.73353E+10	2.02839E+11	.00000E+00	1.59307E+08	1.00000E+00
65	.00000E+00	.00000E+00	9.80797E+09	1.58736E+09	9.83530E+09	.00000E+00	-2.73361E+07	1.00000E+00
66	.00000E+00	.00000E+00	3.56645E+06	1.44670E+05	3.56777E+06	.00000E+00	-1.31626E+03	1.00000E+00
67	.00000E+00	.00000E+00	6.44448E+05	1.06622E+04	6.44432E+05	.00000E+00	1.51369E+01	1.00000E+00
68	.00000E+00	.00000E+00	1.63388E+12	1.42286E+12	2.42342E+12	5.33422E+06	-7.89551E+11	1.00000E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	4.27080E-01	3.24070E-01	3.20808E-01	1.81574E+02	1.03041E+03	.00000E+00	6.80143E+03	6.80143E+03
3	3.69343E+00	2.74280E+00	2.70049E+00	1.52845E+03	8.82115E+03	.00000E+00	5.90015E+04	5.90015E+04
4	6.12382E+00	4.42803E+00	4.33677E+00	2.45457E+03	1.41828E+04	.00000E+00	9.78219E+04	9.78219E+04
5	1.71238E+01	1.22297E+01	1.19472E+01	6.76201E+03	4.23836E+04	.00000E+00	2.86369E+05	2.86369E+05
6	9.52923E+01	6.70472E+01	6.52482E+01	3.69298E+04	2.54297E+05	.00000E+00	1.69942E+06	1.69942E+06
7	2.12210E+02	1.42520E+02	1.36342E+02	7.71683E+04	5.37100E+05	.00000E+00	3.84278E+06	3.84278E+06
8	3.64344E+02	2.17506E+02	1.95767E+02	1.10802E+05	7.15766E+05	.00000E+00	6.28669E+06	6.28669E+06
9	2.90582E+02	1.51979E+02	1.22895E+02	6.95574E+04	4.33254E+05	.00000E+00	4.55139E+06	4.55139E+06
10	3.23316E+02	1.62807E+02	1.24979E+02	7.07369E+04	4.92685E+05	.00000E+00	4.91874E+06	4.91874E+06
11	4.38710E+02	2.01187E+02	1.40438E+02	7.94863E+04	5.47703E+05	.00000E+00	6.37522E+06	6.37522E+06
12	2.17070E+02	1.00361E+02	7.13059E+01	4.03584E+04	2.46450E+05	.00000E+00	3.10329E+06	3.10329E+06
13	6.03273E+01	3.08916E+01	2.42820E+01	1.37434E+04	6.29408E+04	.00000E+00	8.04534E+05	8.04534E+05
14	3.41669E+02	1.49618E+02	9.74956E+01	5.51815E+04	3.12724E+05	.00000E+00	4.23277E+06	4.23277E+06
15	9.79632E+02	4.15218E+02	2.66968E+02	1.51101E+05	7.62214E+05	.00000E+00	1.22180E+07	1.22180E+07
16	1.32979E+03	5.79663E+02	3.92969E+02	2.22416E+05	8.26590E+05	.00000E+00	1.58406E+07	1.58406E+07
17	2.26688E+03	9.52294E+02	6.19624E+02	3.50700E+05	1.34602E+06	.00000E+00	2.66632E+07	2.66632E+07
18	6.39243E+03	2.58811E+03	1.64250E+03	9.29637E+05	2.40636E+06	.00000E+00	6.92548E+07	6.92548E+07
19	4.50179E+03	1.90218E+03	1.29136E+03	7.30895E+05	1.67524E+06	.00000E+00	4.59703E+07	4.59703E+07
20	2.66572E+03	9.53565E+02	4.85229E+02	2.74634E+05	1.07155E+06	.00000E+00	3.00201E+07	3.00201E+07
21	1.48055E+04	5.93715E+03	3.93216E+03	2.22556E+06	1.69964E+06	.00000E+00	1.45285E+08	1.45285E+08
22	1.41633E+04	5.21480E+03	2.86784E+03	1.62317E+06	3.31468E+06	.00000E+00	1.30847E+08	1.30847E+08
23	1.81122E+04	6.78332E+03	4.04252E+03	2.28802E+06	1.79275E+06	.00000E+00	1.96877E+08	1.96877E+08
24	2.67766E+04	9.55457E+03	5.11242E+03	2.89358E+06	4.70799E+05	.00000E+00	2.34640E+08	2.34640E+08
25	2.71955E+04	8.85954E+03	3.50394E+03	1.98319E+06	5.13949E+06	.00000E+00	2.54986E+08	2.54986E+08
26	4.77332E+04	1.58973E+04	7.00175E+03	3.96292E+06	1.87562E+06	.00000E+00	4.29370E+08	4.29370E+08
27	4.33155E+04	1.34400E+04	4.56176E+03	2.58191E+06	5.62128E+05	.00000E+00	3.67503E+08	3.67503E+08
28	2.23801E+04	6.74939E+03	1.92907E+03	1.09183E+06	3.47463E+06	.00000E+00	1.98414E+08	1.98414E+08
29	5.52173E+03	1.52304E+03	2.29757E+02	1.30040E+05	7.80100E+05	.00000E+00	5.16404E+07	5.16404E+07
30	2.69521E+03	6.99815E+02	3.01476E+01	1.70632E+04	2.06135E+05	.00000E+00	2.59578E+07	2.59578E+07
31	2.04531E+04	7.81699E+03	5.50010E+03	3.11300E+06	-2.33989E+06	.00000E+00	1.39744E+08	1.39744E+08
32	1.23902E+04	3.56831E+03	7.03006E+02	3.97894E+05	8.83831E+05	.00000E+00	7.23021E+07	7.23021E+07
33	1.28460E+04	3.40240E+03	3.07252E+02	1.73901E+05	-4.07600E+05	.00000E+00	7.07507E+07	7.07507E+07
34	2.34858E+04	6.72834E+03	1.41218E+03	7.99281E+05	3.75941E+06	.00000E+00	1.97191E+08	1.97191E+08
35	2.04272E+04	6.09721E+03	1.69885E+03	9.61529E+05	8.61803E+05	.00000E+00	1.80846E+08	1.80846E+08
36	1.25925E+04	3.61919E+03	7.88860E+02	4.46486E+05	1.75544E+05	.00000E+00	1.13276E+08	1.13276E+08
37	1.32506E+04	3.64331E+03	5.13019E+02	2.90363E+05	1.52653E+05	.00000E+00	1.07018E+08	1.07018E+08
38	6.57738E+03	1.77472E+03	1.92049E+02	1.08698E+05	-3.07118E+03	.00000E+00	5.19241E+07	5.19241E+07
39	6.02623E+03	1.63742E+03	1.95485E+02	1.10643E+05	-9.21226E+04	.00000E+00	4.38319E+07	4.38319E+07
40	6.71779E+03	1.81053E+03	1.87072E+02	1.05881E+05	-1.69513E+05	.00000E+00	4.42046E+07	4.42046E+07
41	6.90638E+03	1.78997E+03	6.21674E+01	3.51861E+04	-1.20018E+05	.00000E+00	3.88242E+07	3.88242E+07
42	3.41369E+03	8.65810E+02	-4.99754E+00	-2.82855E+03	-5.16541E+04	.00000E+00	1.74093E+07	1.74093E+07
43	3.40254E+03	8.30301E+02	-6.84329E+01	-3.87323E+04	-4.09227E+04	.00000E+00	1.48703E+07	1.48703E+07
44	1.84489E+03	4.39387E+02	-5.81913E+01	-3.29357E+04	-1.90390E+04	.00000E+00	7.16760E+06	7.16760E+06
45	1.25231E+03	2.73124E+02	-9.01066E+01	-5.09994E+04	-8.53614E+03	.00000E+00	3.66373E+06	3.66373E+06

46	1.35113E+03	2.71877E+02	-1.42970E+02	-8.09193E+04	-4.86692E+03	.00000E+00	2.71212E+06	2.71212E+06
47	4.20170E+02	7.18821E+01	-7.17750E+01	-4.06239E+04	-4.58855E+02	.00000E+00	4.86977E+05	4.86977E+05
48	1.67990E-01	6.31410E-02	3.20465E-02	1.81379E+01	5.02264E+02	.00000E+00	3.12313E+03	3.12313E+03
49	2.01161E+02	6.96860E+01	3.66867E+01	2.07643E+04	2.27400E+05	.00000E+00	2.16024E+06	2.16024E+06
50	1.16327E+03	5.07933E+02	4.33859E+02	2.45560E+05	-4.86897E+04	.00000E+00	9.94215E+06	9.94215E+06
51	3.52686E+02	1.55285E+02	1.31387E+02	7.43638E+04	1.08026E+04	.00000E+00	3.22910E+06	3.22910E+06
52	3.40234E+02	1.45018E+02	1.17868E+02	6.67123E+04	4.89631E+04	.00000E+00	3.01716E+06	3.01716E+06
53	4.70480E+02	2.07126E+02	1.71965E+02	9.73303E+04	1.15117E+05	.00000E+00	4.53556E+06	4.53556E+06
54	7.15389E+02	3.44535E+02	2.93485E+02	1.66109E+05	8.56030E+05	.00000E+00	9.18488E+06	9.18488E+06
55	4.53567E+03	3.55165E+03	3.45244E+03	1.95405E+06	4.93148E+07	.00000E+00	1.81703E+08	1.81703E+08
56	3.83086E+05	3.38586E+05	3.38616E+05	1.91653E+08	8.17416E+09	.00000E+00	2.54471E+10	2.54471E+10
57	2.70191E+06	2.34731E+06	2.34792E+06	1.32890E+09	7.97195E+10	.00000E+00	2.30732E+11	2.30732E+11
58	1.84969E+06	1.51833E+06	1.51832E+06	8.59353E+08	5.08336E+10	.00000E+00	1.55245E+11	1.55245E+11
59	1.67627E+06	1.37249E+06	1.37227E+06	7.76690E+08	1.14025E+11	.00000E+00	2.66370E+11	2.66370E+11
60	2.32181E+06	1.84268E+06	1.84178E+06	1.04243E+09	1.41954E+11	.00000E+00	3.55833E+11	3.55833E+11
61	6.57393E+06	4.59443E+06	4.57580E+06	2.58985E+09	2.49469E+11	.00000E+00	8.42810E+11	8.42810E+11
62	8.94955E+06	4.54702E+06	4.09448E+06	2.31743E+09	1.59118E+11	.00000E+00	1.33849E+12	1.33849E+12
63	3.91804E+06	1.33364E+06	6.51088E+05	3.68509E+08	-4.18742E+09	.00000E+00	6.77774E+11	6.77774E+11
64	3.85815E+05	1.04728E+05	2.79206E+04	1.58028E+07	-1.43504E+08	.00000E+00	5.82258E+10	5.82258E+10
65	2.98117E+03	2.28819E+02	-1.11600E+03	-6.31645E+05	2.67045E+07	.00000E+00	7.69063E+08	7.69063E+08
66	9.82521E-01	1.34951E-04	-4.91611E-01	-2.78247E+02	1.03802E+03	.00000E+00	3.48164E+04	3.48164E+04
67	3.49004E-01	9.60661E-02	1.15102E-02	6.51468E+00	-8.62226E+00	.00000E+00	1.49595E+03	1.49595E+03
68	2.91674E+07	1.81324E+07	1.68217E+07	9.52093E+09	7.99072E+11	.00000E+00	3.95529E+12	3.95529E+12

1 SUMMARY FOR ZONE 6 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 1.98071E+04

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	2.22803E-01	2.70648E-01	8.40723E-02	-3.54752E-01	1.00000E+00
3	.00000E+00	.00000E+00	1.20961E-01	1.55078E+00	2.18109E+00	7.93437E-01	-2.85413E+00	1.00231E+00
4	.00000E+00	.00000E+00	9.05432E-01	2.15511E+00	3.50640E+00	1.05829E+00	-3.65967E+00	1.00022E+00
5	.00000E+00	.00000E+00	2.02564E+00	6.06268E+00	1.12948E+01	2.76143E+00	-1.23291E+01	1.07955E+00
6	.00000E+00	.00000E+00	7.17193E+00	3.73196E+01	5.32615E+01	1.58565E+01	-6.27461E+01	1.05907E+00
7	.00000E+00	.00000E+00	3.84790E+01	1.04381E+02	1.19273E+02	3.09772E+01	-1.12398E+02	1.00822E+00
8	.00000E+00	.00000E+00	1.13875E+02	2.76222E+02	1.74099E+02	1.07287E+02	-1.67516E+02	1.00003E+00
9	.00000E+00	.00000E+00	1.45318E+02	1.68668E+02	2.37398E+02	7.51141E+01	-1.66359E+02	9.97134E-01
10	.00000E+00	.00000E+00	1.24115E+02	8.70380E+01	2.84280E+02	5.30728E+01	-2.13219E+02	9.99924E-01
11	.00000E+00	.00000E+00	1.97600E+02	1.12262E+02	4.05498E+02	4.87160E+01	-2.56945E+02	1.00084E+00
12	.00000E+00	.00000E+00	1.43828E+02	2.35828E+01	2.22180E+02	1.92609E+01	-9.76133E+01	1.00000E+00
13	.00000E+00	.00000E+00	3.55533E+01	1.37672E+00	6.19766E+01	5.13982E+00	-3.15498E+01	9.99813E-01
14	.00000E+00	.00000E+00	2.13307E+02	5.59434E+01	3.68466E+02	4.23136E+01	-1.97445E+02	9.99936E-01
15	.00000E+00	.00000E+00	6.93234E+02	4.77744E+02	9.20871E+02	7.21008E+01	-2.99672E+02	9.99953E-01
16	.00000E+00	.00000E+00	8.82965E+02	7.55200E+02	1.69712E+03	1.13774E+02	-9.28000E+02	1.00004E+00
17	.00000E+00	.00000E+00	1.71572E+03	1.98709E+03	2.67073E+03	2.11519E+02	-1.16641E+03	9.99964E-01
18	.00000E+00	.00000E+00	2.90418E+03	7.80847E+03	6.13089E+03	1.56514E+02	-3.38281E+03	9.99929E-01
19	.00000E+00	.00000E+00	5.53402E+03	2.82506E+03	5.14658E+03	4.39325E+01	3.44250E+02	9.99932E-01
20	.00000E+00	.00000E+00	3.59472E+03	1.15193E+03	4.16507E+03	3.67452E+01	-6.06969E+02	9.99983E-01
21	.00000E+00	.00000E+00	5.83951E+03	1.23938E+04	1.74734E+04	1.40104E+03	-1.30338E+04	9.99901E-01
22	.00000E+00	.00000E+00	1.66338E+04	1.42523E+04	1.78672E+04	2.00129E+02	-1.43438E+03	1.00003E+00
23	.00000E+00	.00000E+00	1.91931E+04	4.10478E+04	2.41945E+04	5.24407E+02	-5.52800E+03	1.00006E+00
24	.00000E+00	.00000E+00	2.32327E+04	3.11243E+04	4.78341E+04	5.88639E+01	-2.46635E+04	1.00007E+00
25	.00000E+00	.00000E+00	4.87975E+04	6.79135E+04	2.28251E+04	4.23253E+01	2.59354E+04	9.99946E-01
26	.00000E+00	.00000E+00	2.28256E+04	1.31388E+05	4.98287E+04	5.39377E+01	-2.70635E+04	1.00014E+00
27	.00000E+00	.00000E+00	4.98295E+04	1.38376E+05	5.24482E+04	4.60540E+01	-2.77300E+03	1.00109E+00
28	.00000E+00	.00000E+00	5.24487E+04	8.23210E+04	3.27431E+04	2.58901E+01	1.96798E+04	1.00000E+00
29	.00000E+00	.00000E+00	3.22846E+04	1.45516E+04	1.71833E+04	7.30931E+00	1.51060E+04	9.99815E-01
30	.00000E+00	.00000E+00	1.61343E+04	6.32070E+03	1.02119E+04	3.97550E+00	5.90566E+03	1.00040E+00
31	.00000E+00	.00000E+00	5.84467E+03	1.66748E+04	9.49162E+04	2.73952E+01	-8.90995E+04	1.00005E+00
32	.00000E+00	.00000E+00	4.59981E+04	1.59400E+04	6.45513E+04	1.99817E+01	-1.85756E+04	1.00003E+00
33	.00000E+00	.00000E+00	1.19343E+05	5.42922E+04	3.13976E+04	2.22422E+01	8.79199E+04	1.00002E+00
34	.00000E+00	.00000E+00	3.13976E+04	1.42299E+05	3.27697E+04	5.50561E+01	-1.41831E+03	9.99858E-01

35	.00000E+00	.00000E+00	3.27701E+04	1.33725E+05	2.87898E+04	6.95230E+01	3.91563E+03	9.99926E-01
36	.00000E+00	.00000E+00	2.87908E+04	8.46733E+04	2.12623E+04	6.48222E+01	7.46538E+03	9.99970E-01
37	.00000E+00	.00000E+00	2.12631E+04	1.02873E+05	1.26344E+04	1.14391E+02	8.51172E+03	1.00006E+00
38	.00000E+00	.00000E+00	1.26339E+04	4.75445E+04	1.05650E+04	9.33158E+01	1.97591E+03	9.99984E-01
39	.00000E+00	.00000E+00	1.05652E+04	4.37018E+04	9.68650E+03	1.24560E+02	7.52672E+02	1.00007E+00
40	.00000E+00	.00000E+00	9.68610E+03	5.14884E+04	8.08684E+03	2.16157E+02	1.48877E+03	9.94575E-01
41	.00000E+00	.00000E+00	8.08681E+03	5.51509E+04	6.68611E+03	3.95706E+02	1.00491E+03	1.00001E+00
42	.00000E+00	.00000E+00	6.68636E+03	2.51369E+04	5.53760E+03	3.20471E+02	8.28521E+02	9.99983E-01
43	.00000E+00	.00000E+00	5.53829E+03	2.66335E+04	4.09323E+03	4.99649E+02	9.45484E+02	9.99993E-01
44	.00000E+00	.00000E+00	4.09217E+03	1.39142E+04	2.79694E+03	4.18028E+02	8.77420E+02	9.99974E-01
45	.00000E+00	.00000E+00	2.79612E+03	9.54339E+03	1.90997E+03	4.16315E+02	4.69996E+02	9.99971E-01
46	.00000E+00	.00000E+00	1.91019E+03	1.18473E+04	6.35775E+02	7.70223E+02	5.04328E+02	9.99965E-01
47	.00000E+00	.00000E+00	6.35996E+02	4.00666E+03	4.01367E-01	5.56945E+02	7.87500E+01	9.99922E-01
48	.00000E+00	.00000E+00	2.50095E+01	2.48059E-03	8.47197E-02	.00000E+00	2.49248E+01	1.00000E+00
49	.00000E+00	.00000E+00	1.04688E+01	4.46884E+00	1.05464E+02	.00000E+00	-9.49941E+01	9.99927E-01
50	.00000E+00	.00000E+00	2.21965E+01	1.90126E+01	5.23787E+02	.00000E+00	-5.01391E+02	9.95513E-01
51	.00000E+00	.00000E+00	7.16320E+01	4.81571E+00	1.76536E+02	.00000E+00	-1.04938E+02	1.00023E+00
52	.00000E+00	.00000E+00	1.93813E+02	9.08915E+00	1.84231E+02	.00000E+00	9.63281E+00	9.99869E-01
53	.00000E+00	.00000E+00	1.06376E+02	1.86797E+01	2.73208E+02	.00000E+00	-1.66805E+02	9.99872E-01
54	.00000E+00	.00000E+00	1.70535E+02	4.68032E+01	4.62401E+02	.00000E+00	-2.91813E+02	9.99842E-01
55	.00000E+00	.00000E+00	3.01533E+02	4.65703E+02	3.41982E+03	.00000E+00	-3.12013E+03	1.00305E+00
56	.00000E+00	.00000E+00	8.65225E+02	4.58313E+04	3.36049E+05	.00000E+00	-3.35376E+05	1.12478E+00
57	.00000E+00	.00000E+00	9.82576E+04	5.63498E+05	2.66077E+06	.00000E+00	-2.56230E+06	9.98945E-01
58	.00000E+00	.00000E+00	5.85840E+05	3.14420E+05	2.21815E+06	.00000E+00	-1.63226E+06	9.99958E-01
59	.00000E+00	.00000E+00	6.22681E+05	2.14298E+05	2.27108E+06	.00000E+00	-1.64845E+06	1.00004E+00
60	.00000E+00	.00000E+00	1.03573E+06	3.83933E+05	3.24937E+06	.00000E+00	-2.21357E+06	9.99968E-01
61	.00000E+00	.00000E+00	3.46635E+06	3.06848E+06	8.27546E+06	.00000E+00	-4.80870E+06	9.99941E-01
62	.00000E+00	.00000E+00	1.10600E+07	9.86603E+06	1.07131E+07	.00000E+00	3.46368E+05	1.00003E+00
63	.00000E+00	.00000E+00	1.28423E+07	8.77060E+06	3.88104E+06	.00000E+00	8.96147E+06	9.99991E-01
64	.00000E+00	.00000E+00	3.80317E+06	1.20810E+06	2.56529E+05	.00000E+00	3.54679E+06	9.99980E-01
65	.00000E+00	.00000E+00	2.14374E+05	1.59379E+04	1.90655E+03	.00000E+00	2.12467E+05	1.00000E+00
66	.00000E+00	.00000E+00	5.14717E+01	6.51557E+00	6.71469E+00	.00000E+00	4.47569E+01	1.00000E+00
67	.00000E+00	.00000E+00	2.81786E-01	2.24176E+00	9.12711E+00	.00000E+00	-8.84531E+00	9.99982E-01
68	.00000E+00	.00000E+00	3.43822E+07	2.58467E+07	3.45202E+07	7.58573E+03	-1.45355E+05	9.99996E-01

0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	3.12126E-01	2.45051E-01	2.40189E-01	1.81219E+02	1.81574E+02	.00000E+00	7.15936E+03	7.15936E+03
3	2.71080E+00	2.07896E+00	2.02203E+00	1.52559E+03	1.52845E+03	.00000E+00	6.19756E+04	6.19756E+04
4	4.49608E+00	3.36494E+00	3.24845E+00	2.45091E+03	2.45457E+03	.00000E+00	1.02629E+05	1.02629E+05
5	1.25461E+01	9.30060E+00	8.94608E+00	6.74968E+03	6.76201E+03	.00000E+00	2.86648E+05	2.86648E+05
6	6.96865E+01	5.10428E+01	4.88638E+01	3.68670E+04	3.69298E+04	.00000E+00	1.59219E+06	1.59219E+06
7	1.57134E+02	1.09146E+02	1.02130E+02	7.70559E+04	7.71683E+04	.00000E+00	3.55780E+06	3.55780E+06
8	2.83983E+02	1.70031E+02	1.46636E+02	1.10634E+05	1.10802E+05	.00000E+00	6.24602E+06	6.24602E+06
9	2.42871E+02	1.22575E+02	9.19714E+01	6.93910E+04	6.95574E+04	.00000E+00	5.17547E+06	5.17547E+06
10	2.78434E+02	1.33035E+02	9.34726E+01	7.05236E+04	7.07369E+04	.00000E+00	5.87013E+06	5.87013E+06
11	3.90753E+02	1.68347E+02	1.05011E+02	7.92294E+04	7.94863E+04	.00000E+00	8.11110E+06	8.11110E+06
12	1.92408E+02	8.37431E+01	5.33619E+01	4.02608E+04	4.03584E+04	.00000E+00	3.99495E+06	3.99495E+06
13	5.14453E+01	2.51069E+01	1.81737E+01	1.37118E+04	1.37434E+04	.00000E+00	1.08639E+06	1.08639E+06
14	3.10506E+02	1.26937E+02	7.28763E+01	5.49840E+04	5.51815E+04	.00000E+00	6.40056E+06	6.40056E+06
15	8.97443E+02	3.55127E+02	1.99873E+02	1.50801E+05	1.51101E+05	.00000E+00	1.83346E+07	1.83346E+07
16	1.19443E+03	4.89670E+02	2.93562E+02	2.21488E+05	2.22416E+05	.00000E+00	2.45489E+07	2.45489E+07
17	2.07630E+03	8.14605E+02	4.63275E+02	3.49534E+05	3.50700E+05	.00000E+00	4.22183E+07	4.22183E+07
18	5.88888E+03	2.23191E+03	1.22766E+03	9.26254E+05	9.29637E+05	.00000E+00	1.18967E+08	1.18967E+08
19	4.03581E+03	1.61511E+03	9.69190E+02	7.31239E+05	7.30895E+05	.00000E+00	8.24308E+07	8.24308E+07
20	2.52954E+03	8.53345E+02	3.63198E+02	2.74027E+05	2.74634E+05	.00000E+00	5.06162E+07	5.06162E+07
21	1.32224E+04	5.07351E+03	2.93250E+03	2.21253E+06	2.22556E+06	.00000E+00	2.69332E+08	2.69332E+08
22	1.34413E+04	4.63536E+03	2.14946E+03	1.62173E+06	1.62317E+06	.00000E+00	2.67869E+08	2.67869E+08
23	1.67079E+04	5.94242E+03	3.02523E+03	2.28249E+06	2.28802E+06	.00000E+00	3.35301E+08	3.35301E+08
24	2.47188E+04	8.45074E+03	3.80248E+03	2.86891E+06	2.89358E+06	.00000E+00	4.98410E+08	4.98410E+08
25	2.63413E+04	8.18352E+03	2.66291E+03	2.00913E+06	1.98319E+06	.00000E+00	5.23621E+08	5.23621E+08

26	4.52557E+04	1.44334E+04	5.21661E+03	3.93585E+06	3.96292E+06	.00000E+00	9.05090E+08	9.05090E+08
27	4.17413E+04	1.25094E+04	3.41840E+03	2.57913E+06	2.58191E+06	.00000E+00	8.32055E+08	8.32055E+08
28	2.21024E+04	6.40665E+03	1.47321E+03	1.11151E+06	1.09183E+06	.00000E+00	4.36724E+08	4.36724E+08
29	5.50122E+03	1.49527E+03	1.92378E+02	1.45146E+05	1.30040E+05	.00000E+00	1.08834E+08	1.08834E+08
30	2.68780E+03	6.98921E+02	3.04432E+01	2.29689E+04	1.70632E+04	.00000E+00	5.33275E+07	5.33275E+07
31	1.64068E+04	6.45495E+03	4.00790E+03	3.02390E+06	3.11300E+06	.00000E+00	3.49123E+08	3.49123E+08
32	1.27247E+04	3.46960E+03	5.02751E+02	3.79318E+05	3.97894E+05	.00000E+00	2.47674E+08	2.47674E+08
33	1.24793E+04	3.37863E+03	3.47020E+02	2.61821E+05	1.73901E+05	.00000E+00	2.51300E+08	2.51300E+08
34	2.39203E+04	6.54408E+03	1.05749E+03	7.97863E+05	7.99281E+05	.00000E+00	4.65545E+08	4.65545E+08
35	1.99548E+04	5.76543E+03	1.27961E+03	9.65445E+05	9.61529E+05	.00000E+00	3.96057E+08	3.96057E+08
36	1.23392E+04	3.46561E+03	6.01671E+02	4.53952E+05	4.46486E+05	.00000E+00	2.45178E+08	2.45178E+08
37	1.30896E+04	3.54572E+03	3.96131E+02	2.98875E+05	2.90363E+05	.00000E+00	2.59833E+08	2.59833E+08
38	6.50624E+03	1.73610E+03	1.46688E+02	1.10674E+05	1.08698E+05	.00000E+00	1.29169E+08	1.29169E+08
39	5.94308E+03	1.59565E+03	1.47644E+02	1.11395E+05	1.10643E+05	.00000E+00	1.18134E+08	1.18134E+08
40	6.59649E+03	1.76565E+03	1.42308E+02	1.07369E+05	1.05881E+05	.00000E+00	1.31535E+08	1.31535E+08
41	6.87597E+03	1.77665E+03	4.79678E+01	3.61910E+04	3.51861E+04	.00000E+00	1.36394E+08	1.36394E+08
42	3.41090E+03	8.66786E+02	-2.65086E+00	-2.00003E+03	-2.82855E+03	.00000E+00	6.76270E+07	6.76270E+07
43	3.41455E+03	8.43230E+02	-5.00829E+01	-3.77868E+04	-3.87323E+04	.00000E+00	6.77199E+07	6.77199E+07
44	1.85621E+03	4.50490E+02	-4.24903E+01	-3.20583E+04	-3.29357E+04	.00000E+00	3.68133E+07	3.68133E+07
45	1.26611E+03	2.89172E+02	-6.69721E+01	-5.05294E+04	-5.09994E+04	.00000E+00	2.52093E+07	2.52093E+07
46	1.37195E+03	2.97000E+02	-1.06583E+02	-8.04149E+04	-8.09193E+04	.00000E+00	2.73918E+07	2.73918E+07
47	4.22229E+02	8.31521E+01	-5.37388E+01	-4.05451E+04	-4.06239E+04	.00000E+00	8.58090E+06	8.58090E+06
48	1.90164E-01	7.62362E-02	5.70756E-02	4.30627E+01	1.81379E+01	.00000E+00	3.60297E+03	3.60297E+03
49	2.50612E+02	6.90859E+01	2.73953E+01	2.06693E+04	2.07643E+04	.00000E+00	4.22750E+06	4.22750E+06
50	9.72661E+02	4.18464E+02	3.24802E+02	2.45058E+05	2.45560E+05	.00000E+00	1.95964E+07	1.95964E+07
51	3.04799E+02	1.28879E+02	9.84233E+01	7.42589E+04	7.43638E+04	.00000E+00	6.04541E+06	6.04541E+06
52	3.11430E+02	1.23034E+02	8.84337E+01	6.67219E+04	6.67123E+04	.00000E+00	6.00379E+06	6.00379E+06
53	4.23143E+02	1.73752E+02	1.28781E+02	9.71635E+04	9.73303E+04	.00000E+00	8.23714E+06	8.23714E+06
54	6.45876E+02	2.85236E+02	2.19776E+02	1.65818E+05	1.66109E+05	.00000E+00	1.26281E+07	1.26281E+07
55	3.57662E+03	2.71135E+03	2.58577E+03	1.95093E+06	1.95405E+06	.00000E+00	7.82811E+07	7.82811E+07
56	2.84276E+05	2.54158E+05	2.53574E+05	1.91318E+08	1.91653E+08	.00000E+00	6.49095E+09	6.49095E+09
57	1.98885E+06	1.76205E+06	1.75793E+06	1.32633E+09	1.32890E+09	.00000E+00	4.56230E+10	4.56230E+10
58	1.32507E+06	1.13884E+06	1.13683E+06	8.57721E+08	8.59353E+08	.00000E+00	3.07087E+10	3.07087E+10
59	1.19563E+06	1.02851E+06	1.02725E+06	7.75042E+08	7.76690E+08	.00000E+00	2.76731E+10	2.76731E+10
60	1.63876E+06	1.38093E+06	1.37871E+06	1.04022E+09	1.04243E+09	.00000E+00	3.80074E+10	3.80074E+10
61	4.56169E+06	3.45845E+06	3.42624E+06	2.58504E+09	2.58985E+09	.00000E+00	1.04793E+11	1.04793E+11
62	7.45794E+06	3.66959E+06	3.07200E+06	2.31778E+09	2.31743E+09	.00000E+00	1.52581E+11	1.52581E+11
63	3.80672E+06	1.21772E+06	5.00302E+05	3.77470E+08	3.68509E+08	.00000E+00	7.42474E+10	7.42474E+10
64	3.67437E+05	1.03012E+05	2.56460E+04	1.93496E+07	1.58028E+07	.00000E+00	7.27724E+09	7.27724E+09
65	4.04107E+03	6.63541E+02	-5.55581E+02	-4.19178E+05	-6.31645E+05	.00000E+00	7.35100E+07	7.35100E+07
66	1.42848E+00	1.66135E-01	-3.09469E-01	-2.33490E+02	-2.78247E+02	.00000E+00	2.52675E+04	2.52675E+04
67	3.43340E-01	8.71250E-02	-3.08904E-03	-2.33063E+00	6.51468E+00	.00000E+00	6.78093E+03	6.78093E+03
68	2.30158E+07	1.41354E+07	1.26189E+07	9.52078E+09	9.52093E+09	.00000E+00	4.95183E+11	4.95183E+11

1 SUMMARY FOR ZONE 7 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 3.78027E+02

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	1.17365E+01	1.23495E+01	1.98647E+00	-1.43361E+01	1.00000E+00
3	.00000E+00	.00000E+00	1.37220E+00	1.24678E+02	1.09783E+02	1.59301E+01	-1.24338E+02	9.98967E-01
4	.00000E+00	.00000E+00	1.12713E+01	2.34567E+02	1.89749E+02	2.30208E+01	-2.01485E+02	9.99394E-01
5	.00000E+00	.00000E+00	2.48493E+01	7.24792E+02	5.51632E+02	5.59203E+01	-5.82666E+02	9.99266E-01
6	.00000E+00	.00000E+00	8.85587E+01	4.33335E+03	3.18014E+03	2.42286E+02	-3.33378E+03	9.99524E-01
7	.00000E+00	.00000E+00	5.17889E+02	1.02581E+04	7.24713E+03	3.62761E+02	-7.09194E+03	9.99943E-01
8	.00000E+00	.00000E+00	1.81068E+03	1.98966E+04	1.20590E+04	4.48673E+02	-1.06972E+04	1.00004E+00
9	.00000E+00	.00000E+00	3.02104E+03	1.55304E+04	1.09039E+04	2.46427E+02	-8.12963E+03	1.00005E+00
10	.00000E+00	.00000E+00	3.79739E+03	1.65889E+04	1.33293E+04	2.04771E+02	-9.73708E+03	1.00005E+00
11	.00000E+00	.00000E+00	6.71765E+03	2.54251E+04	1.82452E+04	2.16801E+02	-1.17461E+04	1.00013E+00
12	.00000E+00	.00000E+00	6.59589E+03	8.96280E+03	1.18491E+04	8.54228E+01	-5.33920E+03	1.00004E+00
13	.00000E+00	.00000E+00	2.24639E+03	7.76437E+02	3.69971E+03	2.11824E+01	-1.47444E+03	9.99987E-01
14	.00000E+00	.00000E+00	8.24357E+03	1.42238E+04	1.76672E+04	1.20611E+02	-9.54521E+03	1.00006E+00

15	.00000E+00	.00000E+00	1.59376E+04	5.90874E+04	3.45719E+04	2.44510E+02	-1.88815E+04	1.00009E+00
16	.00000E+00	.00000E+00	1.83673E+04	7.10443E+04	4.18918E+04	2.27940E+02	-2.37541E+04	1.00004E+00
17	.00000E+00	.00000E+00	3.28545E+04	1.39520E+05	6.40049E+04	3.24933E+02	-3.14796E+04	1.00006E+00
18	.00000E+00	.00000E+00	5.50655E+04	4.42909E+05	9.13116E+04	7.70179E+02	-3.70603E+04	1.00040E+00
19	.00000E+00	.00000E+00	5.49531E+04	2.67991E+05	9.04150E+04	6.60606E+02	-3.61197E+04	9.99974E-01
20	.00000E+00	.00000E+00	8.51309E+04	2.12864E+05	1.04034E+05	5.89371E+02	-1.94835E+04	9.99949E-01
21	.00000E+00	.00000E+00	1.24842E+05	9.70744E+05	1.93326E+05	3.00927E+03	-7.16298E+04	1.00054E+00
22	.00000E+00	.00000E+00	2.07867E+05	1.05447E+06	2.33208E+05	2.41668E+03	-2.78313E+04	1.00018E+00
23	.00000E+00	.00000E+00	2.55059E+05	1.92392E+06	1.91464E+05	2.94061E+03	6.04985E+04	1.00030E+00
24	.00000E+00	.00000E+00	2.06037E+05	2.23932E+06	2.66809E+05	5.76167E+03	-6.68823E+04	1.00085E+00
25	.00000E+00	.00000E+00	2.93934E+05	3.06152E+06	3.03409E+05	6.77715E+03	-1.60748E+04	9.99698E-01
26	.00000E+00	.00000E+00	3.14936E+05	6.09233E+06	3.40604E+05	1.29505E+04	-3.91073E+04	1.00078E+00
27	.00000E+00	.00000E+00	3.46467E+05	7.25771E+06	3.64369E+05	1.81495E+04	-3.55303E+04	9.99249E-01
28	.00000E+00	.00000E+00	3.68233E+05	3.56130E+06	2.54247E+05	9.01074E+03	1.04976E+05	1.00000E+00
29	.00000E+00	.00000E+00	2.55147E+05	1.02958E+06	2.42725E+05	4.19196E+03	8.26836E+03	9.99925E-01
30	.00000E+00	.00000E+00	2.43281E+05	1.94856E+06	2.29768E+05	1.98146E+03	1.15802E+04	9.99900E-01
31	.00000E+00	.00000E+00	2.29050E+05	8.16055E+05	6.41452E+05	4.15987E+03	-4.16515E+05	9.99898E-01
32	.00000E+00	.00000E+00	6.33088E+05	8.74902E+05	5.00955E+05	9.12260E+03	1.23029E+05	9.99984E-01
33	.00000E+00	.00000E+00	5.11651E+05	2.95118E+06	7.60826E+05	4.80216E+03	-2.54121E+05	1.00014E+00
34	.00000E+00	.00000E+00	7.62908E+05	3.54693E+06	2.65420E+05	1.01784E+04	4.87756E+05	9.99708E-01
35	.00000E+00	.00000E+00	2.65929E+05	3.82740E+06	2.09652E+05	6.89530E+03	4.94950E+04	9.99788E-01
36	.00000E+00	.00000E+00	2.09809E+05	4.58210E+06	1.88102E+05	1.80186E+04	3.22209E+03	1.00111E+00
37	.00000E+00	.00000E+00	1.88156E+05	4.22379E+06	1.36258E+05	5.67581E+04	-5.39916E+03	1.00143E+00
38	.00000E+00	.00000E+00	1.36236E+05	3.84374E+06	1.09758E+05	3.49192E+04	-8.89527E+03	1.00167E+00
39	.00000E+00	.00000E+00	1.09652E+05	2.02402E+06	1.01236E+05	2.40590E+04	-1.58407E+04	1.00090E+00
40	.00000E+00	.00000E+00	1.01182E+05	2.34782E+06	8.57490E+04	6.55330E+04	-5.01292E+04	1.00014E+00
41	.00000E+00	.00000E+00	8.56858E+04	2.44612E+06	7.19530E+04	2.37742E+04	-1.02564E+04	1.00126E+00
42	.00000E+00	.00000E+00	7.19857E+04	1.19974E+06	6.00291E+04	1.74358E+04	-5.55000E+03	1.00049E+00
43	.00000E+00	.00000E+00	6.00201E+04	1.23065E+06	4.48083E+04	2.74579E+04	-1.23443E+04	1.00082E+00
44	.00000E+00	.00000E+00	4.47831E+04	6.67162E+05	3.02481E+04	2.31116E+04	-8.61811E+03	1.00046E+00
45	.00000E+00	.00000E+00	3.02730E+04	4.64534E+05	2.45758E+04	2.35613E+04	-1.78898E+04	1.00043E+00
46	.00000E+00	.00000E+00	2.45742E+04	5.33373E+05	9.65825E+03	4.45144E+04	-2.96403E+04	1.00085E+00
47	.00000E+00	.00000E+00	9.64799E+03	1.80736E+05	7.43750E+00	3.39859E+04	-2.43505E+04	1.00027E+00
48	.00000E+00	.00000E+00	3.24384E+01	2.70272E-01	1.51606E+01	.00000E+00	1.72779E+01	1.00000E+00
49	.00000E+00	.00000E+00	7.28574E+04	5.56981E+02	2.00527E+04	.00000E+00	5.28048E+04	1.00000E+00
50	.00000E+00	.00000E+00	1.64041E+05	1.96732E+03	7.71851E+04	.00000E+00	8.68561E+04	1.00000E+00
51	.00000E+00	.00000E+00	5.58578E+04	5.14279E+02	2.49359E+04	.00000E+00	3.09219E+04	1.00000E+00
52	.00000E+00	.00000E+00	6.39382E+04	1.00034E+03	2.56956E+04	.00000E+00	3.82427E+04	1.00000E+00
53	.00000E+00	.00000E+00	8.32640E+04	2.03413E+03	3.55735E+04	.00000E+00	4.76905E+04	1.00000E+00
54	.00000E+00	.00000E+00	1.21723E+05	5.07704E+03	5.63284E+04	.00000E+00	6.53941E+04	1.00000E+00
55	.00000E+00	.00000E+00	1.98110E+05	4.52504E+04	3.46660E+05	.00000E+00	-1.48550E+05	1.00000E+00
56	.00000E+00	.00000E+00	1.87516E+05	4.23339E+06	3.10669E+07	.00000E+00	-3.08794E+07	9.99850E-01
57	.00000E+00	.00000E+00	9.03025E+06	5.16252E+07	2.40321E+08	.00000E+00	-2.31290E+08	9.99968E-01
58	.00000E+00	.00000E+00	5.27958E+07	2.95153E+07	2.00375E+08	.00000E+00	-1.47579E+08	9.99997E-01
59	.00000E+00	.00000E+00	5.57981E+07	2.09133E+07	2.04895E+08	.00000E+00	-1.49097E+08	1.00000E+00
60	.00000E+00	.00000E+00	9.26005E+07	3.75463E+07	2.93665E+08	.00000E+00	-2.01065E+08	1.00000E+00
61	.00000E+00	.00000E+00	3.11338E+08	2.95959E+08	7.79545E+08	.00000E+00	-4.68207E+08	1.00000E+00
62	.00000E+00	.00000E+00	9.98578E+08	9.97129E+08	1.21134E+09	.00000E+00	-2.12786E+08	1.00001E+00
63	.00000E+00	.00000E+00	1.18700E+09	8.23251E+08	1.01415E+09	.00000E+00	1.72839E+08	1.00001E+00
64	.00000E+00	.00000E+00	2.95691E+08	1.05507E+08	2.93313E+08	.00000E+00	2.37766E+06	1.00000E+00
65	.00000E+00	.00000E+00	1.33594E+07	1.92322E+06	1.25492E+07	.00000E+00	8.10254E+05	1.00000E+00
66	.00000E+00	.00000E+00	3.94592E+04	1.51374E+03	3.89854E+04	.00000E+00	4.73774E+02	1.00000E+00
67	.00000E+00	.00000E+00	2.86986E+04	4.86013E+02	2.86916E+04	.00000E+00	6.96638E+00	1.00000E+00
68	.00000E+00	.00000E+00	3.02359E+09	2.43387E+09	4.28826E+09	5.00340E+05	-1.26520E+09	1.00001E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	2.87859E-01	2.25184E-01	2.20271E-01	1.66883E+02	1.81219E+02	.00000E+00	1.13405E+02	1.13405E+02
3	2.50919E+00	1.90828E+00	1.84953E+00	1.40126E+03	1.52559E+03	.00000E+00	9.86650E+02	9.86650E+02
4	4.17231E+00	3.08770E+00	2.96904E+00	2.24942E+03	2.45091E+03	.00000E+00	1.63824E+03	1.63824E+03
5	1.16343E+01	8.50525E+00	8.13992E+00	6.16702E+03	6.74968E+03	.00000E+00	4.57042E+03	4.57042E+03

6	6.43823E+01	4.64687E+01	4.42609E+01	3.35332E+04	3.68670E+04	.00000E+00	2.53408E+04	2.53408E+04
7	1.45272E+02	9.92649E+01	9.23462E+01	6.99640E+04	7.70559E+04	.00000E+00	5.71588E+04	5.71588E+04
8	2.65721E+02	1.55074E+02	1.31908E+02	9.99372E+04	1.10634E+05	.00000E+00	1.03902E+05	1.03902E+05
9	2.32576E+02	1.12263E+02	8.08597E+01	6.12614E+04	6.93910E+04	.00000E+00	8.98660E+04	8.98660E+04
10	2.69848E+02	1.21742E+02	8.02329E+01	6.07866E+04	7.05236E+04	.00000E+00	1.03633E+05	1.03633E+05
11	3.81367E+02	1.54906E+02	8.90720E+01	6.74833E+04	7.92294E+04	.00000E+00	1.45941E+05	1.45941E+05
12	1.86952E+02	7.72536E+01	4.60934E+01	3.49216E+04	4.02608E+04	.00000E+00	7.17042E+04	7.17042E+04
13	4.94059E+01	2.31945E+01	1.61523E+01	1.22374E+04	1.37118E+04	.00000E+00	1.90623E+04	1.90623E+04
14	3.06758E+02	1.17225E+02	5.99752E+01	4.54388E+04	5.49840E+04	.00000E+00	1.16671E+05	1.16671E+05
15	8.78816E+02	3.31803E+02	1.74122E+02	1.31920E+05	1.50801E+05	.00000E+00	3.35737E+05	3.35737E+05
16	1.16047E+03	4.57748E+02	2.60992E+02	1.97734E+05	2.21488E+05	.00000E+00	4.45109E+05	4.45109E+05
17	2.01857E+03	7.66465E+02	4.19804E+02	3.18054E+05	3.49534E+05	.00000E+00	7.73985E+05	7.73985E+05
18	5.69130E+03	2.13003E+03	1.17366E+03	8.89194E+05	9.26254E+05	.00000E+00	2.18881E+06	2.18881E+06
19	3.89039E+03	1.53512E+03	9.17496E+02	6.95119E+05	7.31239E+05	.00000E+00	1.49816E+06	1.49816E+06
20	2.46085E+03	8.10924E+02	3.35976E+02	2.54544E+05	2.74027E+05	.00000E+00	9.43252E+05	9.43252E+05
21	1.26056E+04	4.82230E+03	2.82579E+03	2.14090E+06	2.21253E+06	.00000E+00	4.88185E+06	4.88185E+06
22	1.30756E+04	4.47482E+03	2.10381E+03	1.59390E+06	1.62173E+06	.00000E+00	5.01206E+06	5.01206E+06
23	1.55892E+04	5.64781E+03	3.09254E+03	2.34299E+06	2.28249E+06	.00000E+00	6.10457E+06	6.10457E+06
24	2.36351E+04	8.06948E+03	3.69843E+03	2.80203E+06	2.86891E+06	.00000E+00	9.13956E+06	9.13956E+06
25	2.54923E+04	7.88734E+03	2.63065E+03	1.99305E+06	2.00913E+06	.00000E+00	9.79725E+06	9.79725E+06
26	4.29484E+04	1.37106E+04	5.14336E+03	3.89675E+06	3.93585E+06	.00000E+00	1.66718E+07	1.66718E+07
27	3.98097E+04	1.19071E+04	3.35733E+03	2.54360E+06	2.57913E+06	.00000E+00	1.54143E+07	1.54143E+07
28	2.13054E+04	6.23230E+03	1.60566E+03	1.21649E+06	1.11151E+06	.00000E+00	8.20463E+06	8.20463E+06
29	5.36550E+03	1.45784E+03	2.02493E+02	1.53414E+05	1.45146E+05	.00000E+00	2.05396E+06	2.05396E+06
30	2.60342E+03	6.78977E+02	4.56018E+01	3.45491E+04	2.29689E+04	.00000E+00	1.00010E+06	1.00010E+06
31	1.53181E+04	5.87936E+03	3.44152E+03	2.60738E+06	3.02390E+06	.00000E+00	5.99646E+06	5.99646E+06
32	1.24358E+04	3.45857E+03	6.63055E+02	5.02348E+05	3.79318E+05	.00000E+00	4.75568E+06	4.75568E+06
33	1.24973E+04	3.17434E+03	1.01630E+01	7.69977E+03	2.61821E+05	.00000E+00	4.72088E+06	4.72088E+06
34	2.30791E+04	6.64982E+03	1.69690E+03	1.28562E+06	7.97863E+05	.00000E+00	8.88359E+06	8.88359E+06
35	1.90954E+04	5.54678E+03	1.33963E+03	1.01494E+06	9.65445E+05	.00000E+00	7.38102E+06	7.38102E+06
36	1.15439E+04	3.24097E+03	6.03429E+02	4.57174E+05	4.53952E+05	.00000E+00	4.51423E+06	4.51423E+06
37	1.26614E+04	3.41667E+03	3.87362E+02	2.93476E+05	2.98875E+05	.00000E+00	4.86730E+06	4.86730E+06
38	6.21450E+03	1.64745E+03	1.34338E+02	1.01778E+05	1.10674E+05	.00000E+00	2.40434E+06	2.40434E+06
39	5.78996E+03	1.53932E+03	1.26124E+02	9.55547E+04	1.11395E+05	.00000E+00	2.21771E+06	2.21771E+06
40	6.49145E+03	1.69624E+03	7.55519E+01	5.72401E+04	1.07369E+05	.00000E+00	2.47380E+06	2.47380E+06
41	6.83444E+03	1.75624E+03	3.42314E+01	2.59346E+04	3.61910E+04	.00000E+00	2.59141E+06	2.59141E+06
42	3.42391E+03	8.65719E+02	-9.96538E+00	-7.55003E+03	-2.00003E+03	.00000E+00	1.29185E+06	1.29185E+06
43	3.49710E+03	8.56381E+02	-6.61686E+01	-5.01311E+04	-3.77868E+04	.00000E+00	1.30638E+06	1.30638E+06
44	1.92095E+03	4.62340E+02	-5.36892E+01	-4.06764E+04	-3.20583E+04	.00000E+00	7.13925E+05	7.13925E+05
45	1.38188E+03	3.07124E+02	-9.03073E+01	-6.84192E+04	-5.05294E+04	.00000E+00	5.00501E+05	5.00501E+05
46	1.56538E+03	3.27165E+02	-1.45263E+02	-1.10055E+05	-8.04149E+04	.00000E+00	5.55190E+05	5.55190E+05
47	5.49132E+02	9.83282E+01	-8.56565E+01	-6.48956E+04	-4.05451E+04	.00000E+00	1.83600E+05	1.83600E+05
48	1.53902E-01	8.04242E-02	7.96443E-02	6.03406E+01	4.30627E+01	.00000E+00	6.50332E+01	6.50332E+01
49	2.11273E+02	9.70013E+01	9.69793E+01	7.34741E+04	2.06693E+04	.00000E+00	8.73027E+04	8.73027E+04
50	8.00867E+02	4.38159E+02	4.38098E+02	3.31914E+05	2.45058E+05	.00000E+00	3.35221E+05	3.35221E+05
51	2.56927E+02	1.38975E+02	1.38829E+02	1.05181E+05	7.42589E+04	.00000E+00	1.06174E+05	1.06174E+05
52	2.65579E+02	1.38895E+02	1.38544E+02	1.04965E+05	6.67219E+04	.00000E+00	1.09063E+05	1.09063E+05
53	3.60164E+02	1.91945E+02	1.91194E+02	1.44854E+05	9.71635E+04	.00000E+00	1.48056E+05	1.48056E+05
54	5.50272E+02	3.06803E+02	3.05179E+02	2.31212E+05	1.65818E+05	.00000E+00	2.26088E+05	2.26088E+05
55	3.04540E+03	2.40835E+03	2.37898E+03	1.80238E+06	1.95093E+06	.00000E+00	1.25165E+06	1.25165E+06
56	2.35736E+05	2.12188E+05	2.11764E+05	1.60438E+08	1.91318E+08	.00000E+00	9.80011E+07	9.80011E+07
57	1.62642E+06	1.44857E+06	1.44536E+06	1.09504E+09	1.32633E+09	.00000E+00	6.81015E+08	6.81015E+08
58	1.09627E+06	9.38825E+05	9.37325E+05	7.10142E+08	8.57721E+08	.00000E+00	4.57621E+08	4.57621E+08
59	9.73608E+05	8.27273E+05	8.26192E+05	6.25945E+08	7.75042E+08	.00000E+00	4.10016E+08	4.10016E+08
60	1.34237E+06	1.10934E+06	1.10761E+06	8.39152E+08	1.04022E+09	.00000E+00	5.63474E+08	5.63474E+08
61	3.84430E+06	2.81231E+06	2.79404E+06	2.11684E+09	2.58504E+09	.00000E+00	1.58885E+09	1.58885E+09
62	5.01968E+06	2.88964E+06	2.77841E+06	2.10499E+09	2.31778E+09	.00000E+00	2.35844E+09	2.35844E+09
63	1.37840E+06	7.52647E+05	7.26359E+05	5.50309E+08	3.77470E+08	.00000E+00	9.80059E+08	9.80059E+08
64	4.72378E+04	2.90948E+04	2.86780E+04	2.17272E+07	1.93496E+07	.00000E+00	7.81709E+07	7.81709E+07
65	8.26788E+02	5.19511E+02	5.16186E+02	3.91076E+05	-4.19178E+05	.00000E+00	9.13886E+05	9.13886E+05

66	4.73472E-01	3.17251E-01	3.17154E-01	2.40284E+02	-2.33490E+02	.00000E+00	3.58004E+02	3.58004E+02
67	1.57246E-02	6.12023E-03	6.11878E-03	4.63575E+00	-2.33063E+00	.00000E+00	6.74587E+01	6.74587E+01
68	1.59351E+07	1.11369E+07	1.08966E+07	8.25558E+09	9.52078E+09	.00000E+00	7.35939E+09	7.35939E+09

1 SUMMARY FOR ZONE 8 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 6.06030E+03

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	1.07794E+02	9.63721E+01	9.08371E-02	-9.64643E+01	1.00000E+00
3	.00000E+00	.00000E+00	4.33529E+00	9.04387E+02	8.12835E+02	6.03594E-01	-8.09092E+02	9.98710E-01
4	.00000E+00	.00000E+00	2.87105E+01	1.49080E+03	1.35178E+03	7.95308E-01	-1.32381E+03	9.98976E-01
5	.00000E+00	.00000E+00	6.34541E+01	4.70934E+03	3.64321E+03	1.57117E+00	-3.58102E+03	9.97561E-01
6	.00000E+00	.00000E+00	1.78505E+02	3.10534E+04	1.96720E+04	5.69620E+00	-1.94983E+04	9.97516E-01
7	.00000E+00	.00000E+00	7.81552E+02	8.99385E+04	4.19392E+04	1.07102E+01	-4.11677E+04	9.99574E-01
8	.00000E+00	.00000E+00	2.86671E+03	2.07033E+05	5.87444E+04	2.19517E+01	-5.59011E+04	1.00025E+00
9	.00000E+00	.00000E+00	6.30275E+03	2.18007E+05	3.22200E+04	2.18997E+01	-2.59401E+04	1.00008E+00
10	.00000E+00	.00000E+00	1.23195E+04	2.59341E+05	3.04977E+04	2.89634E+01	-1.82087E+04	1.00006E+00
11	.00000E+00	.00000E+00	2.08229E+04	3.81750E+05	2.73586E+04	5.11883E+01	-6.58474E+03	9.99948E-01
12	.00000E+00	.00000E+00	2.67533E+04	1.60100E+05	3.18362E+04	2.29778E+01	-5.10611E+03	1.00000E+00
13	.00000E+00	.00000E+00	2.24146E+04	2.49201E+04	2.74541E+04	5.49855E+00	-5.04474E+03	9.99995E-01
14	.00000E+00	.00000E+00	3.96200E+04	2.93076E+05	3.64220E+04	3.60153E+01	3.15794E+03	1.00005E+00
15	.00000E+00	.00000E+00	4.50548E+04	7.78309E+05	3.16123E+04	9.12111E+01	1.33514E+04	1.00000E+00
16	.00000E+00	.00000E+00	4.17393E+04	9.80000E+05	6.17074E+04	9.61883E+01	-2.00782E+04	1.00017E+00
17	.00000E+00	.00000E+00	7.69329E+04	1.48190E+06	5.71676E+04	1.44734E+02	1.95622E+04	1.00038E+00
18	.00000E+00	.00000E+00	7.98194E+04	4.09084E+06	7.60105E+04	3.09017E+02	3.40138E+03	1.00062E+00
19	.00000E+00	.00000E+00	9.06480E+04	2.60311E+06	2.37178E+05	6.74957E+02	-1.47350E+05	1.00081E+00
20	.00000E+00	.00000E+00	2.43876E+05	1.79070E+06	1.38146E+05	6.49235E+02	1.05071E+05	1.00002E+00
21	.00000E+00	.00000E+00	1.50441E+05	8.30748E+06	5.03422E+05	5.31165E+03	-3.58734E+05	1.00147E+00
22	.00000E+00	.00000E+00	5.14181E+05	8.85707E+06	1.08273E+05	3.19970E+03	4.02285E+05	1.00041E+00
23	.00000E+00	.00000E+00	1.21672E+05	1.01739E+07	4.11677E+05	9.34511E+02	-2.91052E+05	1.00046E+00
24	.00000E+00	.00000E+00	4.19631E+05	2.24608E+07	9.87206E+05	3.22657E+03	-5.71965E+05	1.00139E+00
25	.00000E+00	.00000E+00	9.98524E+05	2.69250E+07	4.79442E+05	1.63688E+02	5.18101E+05	1.00041E+00
26	.00000E+00	.00000E+00	4.85054E+05	4.98278E+07	9.39720E+05	9.41098E+03	-4.65465E+05	1.00143E+00
27	.00000E+00	.00000E+00	9.42972E+05	6.11595E+07	9.46992E+05	7.63658E+03	-1.20010E+04	1.00018E+00
28	.00000E+00	.00000E+00	9.47769E+05	2.90485E+07	5.72356E+05	5.02926E+02	3.74585E+05	1.00017E+00
29	.00000E+00	.00000E+00	5.74521E+05	8.24046E+06	3.51098E+05	3.90171E+00	2.23238E+05	1.00016E+00
30	.00000E+00	.00000E+00	3.51873E+05	4.40352E+06	2.27583E+05	1.48839E+00	1.24191E+05	1.00014E+00
31	.00000E+00	.00000E+00	2.27540E+05	1.38307E+07	2.06868E+06	4.37426E+00	-1.84115E+06	1.00002E+00
32	.00000E+00	.00000E+00	2.06830E+06	1.53724E+07	1.64089E+06	4.26747E+00	4.27381E+05	1.00001E+00
33	.00000E+00	.00000E+00	1.64119E+06	2.11811E+07	5.61484E+05	4.63438E+00	1.07928E+06	1.00013E+00
34	.00000E+00	.00000E+00	5.61159E+05	3.38775E+07	4.45304E+05	5.83788E+00	1.15909E+05	9.99947E-01
35	.00000E+00	.00000E+00	4.43457E+05	2.96363E+07	3.56354E+05	4.80739E+00	8.65329E+04	1.00064E+00
36	.00000E+00	.00000E+00	3.57799E+05	1.96862E+07	2.82006E+05	3.76715E+00	7.43356E+04	1.00204E+00
37	.00000E+00	.00000E+00	2.82013E+05	2.44840E+07	1.89050E+05	6.55617E+00	9.15766E+04	1.00245E+00
38	.00000E+00	.00000E+00	1.90392E+05	1.25755E+07	1.63649E+05	5.22088E+00	2.62656E+04	1.00124E+00
39	.00000E+00	.00000E+00	1.64281E+05	1.18335E+07	1.55002E+05	7.01036E+00	8.86231E+03	1.00125E+00
40	.00000E+00	.00000E+00	1.54367E+05	1.39478E+07	1.34994E+05	1.27055E+01	1.90341E+04	1.00106E+00
41	.00000E+00	.00000E+00	1.35762E+05	1.50729E+07	1.16189E+05	2.41335E+01	1.90819E+04	1.00172E+00
42	.00000E+00	.00000E+00	1.16643E+05	7.73917E+06	9.99440E+04	2.02442E+01	1.64552E+04	1.00096E+00
43	.00000E+00	.00000E+00	1.00542E+05	8.46647E+06	8.11440E+04	3.42628E+01	1.90997E+04	1.00131E+00
44	.00000E+00	.00000E+00	8.13124E+04	4.86179E+06	9.54355E+04	3.05055E+01	-1.42895E+04	1.00084E+00
45	.00000E+00	.00000E+00	9.56710E+04	3.89104E+06	7.56503E+04	3.53912E+01	1.98888E+04	1.00051E+00
46	.00000E+00	.00000E+00	7.57056E+04	4.86048E+06	4.25990E+04	7.45021E+01	3.27126E+04	1.00211E+00
47	.00000E+00	.00000E+00	4.25887E+04	1.98434E+06	1.04750E+02	6.93649E+01	4.22544E+04	1.00188E+00
48	.00000E+00	.00000E+00	5.41049E+00	1.40353E+00	1.52169E+02	.00000E+00	-1.46758E+02	1.00000E+00
49	.00000E+00	.00000E+00	2.47741E+01	1.10504E+03	7.34253E+04	.00000E+00	-7.34005E+04	9.99855E-01
50	.00000E+00	.00000E+00	1.25099E+03	4.88063E+03	3.31832E+05	.00000E+00	-3.30581E+05	9.99947E-01
51	.00000E+00	.00000E+00	9.38063E+03	1.48897E+03	1.13774E+05	.00000E+00	-1.04393E+05	1.00000E+00
52	.00000E+00	.00000E+00	1.45898E+04	2.95330E+03	1.18195E+05	.00000E+00	-1.03605E+05	1.00000E+00
53	.00000E+00	.00000E+00	2.25924E+04	6.51052E+03	1.67374E+05	.00000E+00	-1.44781E+05	1.00000E+00
54	.00000E+00	.00000E+00	3.99266E+04	1.75076E+04	2.66680E+05	.00000E+00	-2.26753E+05	1.00000E+00

55	.00000E+00	.00000E+00	2.56108E+05	2.26507E+06	2.12154E+06	.00000E+00	-1.86543E+06	9.99996E-01
56	.00000E+00	.00000E+00	3.83097E+05	1.94416E+07	1.58426E+08	.00000E+00	-1.58043E+08	9.99845E-01
57	.00000E+00	.00000E+00	3.57318E+07	2.11179E+08	1.12220E+09	.00000E+00	-1.08647E+09	9.99980E-01
58	.00000E+00	.00000E+00	1.84590E+08	1.22895E+08	8.91704E+08	.00000E+00	-7.07113E+08	9.99999E-01
59	.00000E+00	.00000E+00	1.79933E+08	8.74600E+07	8.04663E+08	.00000E+00	-6.24730E+08	1.00000E+00
60	.00000E+00	.00000E+00	2.68251E+08	1.35325E+08	1.10650E+09	.00000E+00	-8.38252E+08	1.00000E+00
61	.00000E+00	.00000E+00	8.50748E+08	6.15649E+08	2.97476E+09	.00000E+00	-2.12402E+09	1.00001E+00
62	.00000E+00	.00000E+00	1.93107E+09	6.79488E+08	4.04040E+09	.00000E+00	-2.10935E+09	1.00000E+00
63	.00000E+00	.00000E+00	6.96945E+08	9.99862E+07	1.25124E+09	.00000E+00	-5.54297E+08	1.00000E+00
64	.00000E+00	.00000E+00	1.53880E+07	3.29031E+06	3.94192E+07	.00000E+00	-2.40312E+07	9.99998E-01
65	.00000E+00	.00000E+00	1.68072E+05	1.67687E+05	1.71431E+06	.00000E+00	-1.54624E+06	1.00000E+00
66	.00000E+00	.00000E+00	1.20440E+02	1.49842E+02	3.66470E+03	.00000E+00	-3.54426E+03	1.00001E+00
67	.00000E+00	.00000E+00	4.09862E+01	1.59535E+00	7.27485E+01	.00000E+00	-3.17623E+01	1.00000E+00
68	.00000E+00	.00000E+00	4.17651E+09	2.46125E+09	1.24072E+10	3.29129E+04	-8.23075E+09	1.00000E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	1.12215E-01	8.75309E-02	8.73336E-02	7.04190E+01	1.66883E+02	.00000E+00	1.14985E+03	1.14985E+03
3	9.60729E-01	7.37891E-01	7.34401E-01	5.92163E+02	1.40126E+03	.00000E+00	9.97719E+03	9.97719E+03
4	1.52465E+00	1.15926E+00	1.14794E+00	9.25612E+02	2.24942E+03	.00000E+00	1.62134E+04	1.62134E+04
5	4.25822E+00	3.23570E+00	3.20716E+00	2.58600E+03	6.16702E+03	.00000E+00	4.52172E+04	4.52172E+04
6	2.31951E+01	1.75373E+01	1.74062E+01	1.40350E+04	3.35332E+04	.00000E+00	2.48309E+05	2.48309E+05
7	5.06732E+01	3.63372E+01	3.57132E+01	2.87963E+04	6.99640E+04	.00000E+00	5.56170E+05	5.56170E+05
8	9.03671E+01	5.73834E+01	5.46136E+01	4.40361E+04	9.99372E+04	.00000E+00	1.03104E+06	1.03104E+06
9	7.89724E+01	4.63476E+01	4.38055E+01	3.53213E+04	6.12614E+04	.00000E+00	9.49353E+05	9.49353E+05
10	9.27029E+01	5.48611E+01	5.28051E+01	4.25779E+04	6.07866E+04	.00000E+00	1.14288E+06	1.14288E+06
11	1.37205E+02	7.86259E+01	7.55264E+01	6.08985E+04	6.74833E+04	.00000E+00	1.67298E+06	1.67298E+06
12	6.68452E+01	3.84595E+01	3.69771E+01	2.98155E+04	3.49216E+04	.00000E+00	8.12166E+05	8.12166E+05
13	1.55316E+01	9.23513E+00	8.92032E+00	7.19264E+03	1.22374E+04	.00000E+00	2.00872E+05	2.00872E+05
14	1.09567E+02	6.23096E+01	6.02697E+01	4.85968E+04	4.54388E+04	.00000E+00	1.36764E+06	1.36764E+06
15	3.42321E+02	1.89547E+02	1.80165E+02	1.45271E+05	1.31920E+05	.00000E+00	3.95939E+06	3.95939E+06
16	4.18233E+02	2.32728E+02	2.20329E+02	1.77656E+05	1.97734E+05	.00000E+00	5.01015E+06	5.01015E+06
17	8.00469E+02	4.41440E+02	4.18712E+02	3.37617E+05	3.18054E+05	.00000E+00	9.00087E+06	9.00087E+06
18	2.12773E+03	1.16771E+03	1.10700E+03	8.92595E+05	8.89194E+05	.00000E+00	2.45832E+07	2.45832E+07
19	1.39931E+03	7.45689E+02	6.79343E+02	5.47769E+05	6.95119E+05	.00000E+00	1.62045E+07	1.62045E+07
20	9.31449E+02	4.82559E+02	4.45995E+02	3.59615E+05	2.54544E+05	.00000E+00	1.09101E+07	1.09101E+07
21	4.06075E+03	2.29630E+03	2.21024E+03	1.78216E+06	2.14090E+06	.00000E+00	5.10425E+07	5.10425E+07
22	4.91534E+03	2.62283E+03	2.47567E+03	1.99619E+06	1.59390E+06	.00000E+00	5.71705E+07	5.71705E+07
23	5.61981E+03	2.84905E+03	2.54482E+03	2.05194E+06	2.34299E+06	.00000E+00	6.42343E+07	6.42343E+07
24	5.74427E+03	3.00502E+03	2.76573E+03	2.23007E+06	2.80203E+06	.00000E+00	8.86337E+07	8.86337E+07
25	8.05993E+03	3.71947E+03	3.11433E+03	2.51115E+06	1.99305E+06	.00000E+00	1.05341E+08	1.05341E+08
26	1.00412E+04	4.87330E+03	4.25548E+03	3.43128E+06	3.89675E+06	.00000E+00	1.60361E+08	1.60361E+08
27	8.42336E+03	3.81783E+03	3.13969E+03	2.53160E+06	2.54360E+06	.00000E+00	1.46880E+08	1.46880E+08
28	6.41402E+03	2.65204E+03	1.97325E+03	1.59107E+06	1.21649E+06	.00000E+00	8.59584E+07	8.59584E+07
29	2.32457E+03	8.11435E+02	4.67125E+02	3.76653E+05	1.53414E+05	.00000E+00	2.42968E+07	2.42968E+07
30	1.52347E+03	4.66998E+02	1.96870E+02	1.58740E+05	3.45491E+04	.00000E+00	1.29421E+07	1.29421E+07
31	1.99892E+03	1.05136E+03	9.50280E+02	7.66231E+05	2.60738E+06	.00000E+00	4.41598E+07	4.41598E+07
32	2.59239E+03	1.29133E+03	1.15305E+03	9.29728E+05	5.02348E+05	.00000E+00	4.70941E+07	4.70941E+07
33	4.89094E+03	1.93027E+03	1.34808E+03	1.08698E+06	7.69977E+03	.00000E+00	5.97159E+07	5.97159E+07
34	8.02458E+03	2.90742E+03	1.73817E+03	1.40153E+06	1.28562E+06	.00000E+00	9.30866E+07	9.30866E+07
35	7.54850E+03	2.59182E+03	1.36605E+03	1.10147E+06	1.01494E+06	.00000E+00	8.06072E+07	8.06072E+07
36	6.19826E+03	1.86992E+03	6.59178E+02	5.31509E+05	4.57174E+05	.00000E+00	5.34242E+07	5.34242E+07
37	9.23057E+03	2.52318E+03	4.77542E+02	3.85052E+05	2.93476E+05	.00000E+00	6.58667E+07	6.58667E+07
38	5.10115E+03	1.34776E+03	1.58800E+02	1.28044E+05	1.01778E+05	.00000E+00	3.39753E+07	3.39753E+07
39	4.84372E+03	1.27517E+03	1.29498E+02	1.04417E+05	9.55547E+04	.00000E+00	3.19620E+07	3.19620E+07
40	5.94370E+03	1.53532E+03	9.45953E+01	7.62742E+04	5.72401E+04	.00000E+00	3.75421E+07	3.75421E+07
41	6.58791E+03	1.68107E+03	5.58295E+01	4.50165E+04	2.59346E+04	.00000E+00	4.04879E+07	4.04879E+07
42	3.48258E+03	8.80428E+02	1.10442E+01	8.90520E+03	-7.55003E+03	.00000E+00	2.08959E+07	2.08959E+07
43	4.02360E+03	9.91096E+02	-3.84852E+01	-3.10314E+04	-5.01311E+04	.00000E+00	2.27825E+07	2.27825E+07
44	2.49103E+03	5.91666E+02	-6.81687E+01	-5.49659E+04	-4.06764E+04	.00000E+00	1.32128E+07	1.32128E+07
45	2.06648E+03	4.89886E+02	-6.01875E+01	-4.85304E+04	-6.84192E+04	.00000E+00	1.05718E+07	1.05718E+07

46	2.66051E+03	6.23108E+02	-9.59203E+01	-7.73426E+04	-1.10055E+05	.00000E+00	1.30652E+07	1.30652E+07
47	1.08418E+03	2.59483E+02	-2.80796E+01	-2.26412E+04	-6.48956E+04	.00000E+00	5.27876E+06	5.27876E+06
48	2.83529E-01	9.70305E-04	-1.07175E-01	-8.64178E+01	6.03406E+01	.00000E+00	2.66585E+02	2.66585E+02
49	1.23397E+00	3.98542E-01	9.12023E-02	7.35384E+01	7.34741E+04	.00000E+00	1.36878E+05	1.36878E+05
50	5.48450E+00	2.62839E+00	1.65344E+00	1.33320E+03	3.31914E+05	.00000E+00	6.45942E+05	6.45942E+05
51	2.46914E+00	1.33913E+00	9.76540E-01	7.87405E+02	1.05181E+05	.00000E+00	2.29605E+05	2.29605E+05
52	2.26674E+00	1.75595E+00	1.68567E+00	1.35919E+03	1.04965E+05	.00000E+00	2.47110E+05	2.47110E+05
53	1.08207E+01	3.00734E+00	8.99795E-02	7.25524E+01	1.44854E+05	.00000E+00	3.63734E+05	3.63734E+05
54	8.33644E+00	5.96545E+00	5.52922E+00	4.45833E+03	2.31212E+05	.00000E+00	5.98058E+05	5.98058E+05
55	4.26370E+02	6.01378E+01	-7.82050E+01	-6.30584E+04	1.80238E+06	.00000E+00	4.70113E+06	4.70113E+06
56	3.27708E+03	2.98206E+03	2.97024E+03	2.39496E+06	1.60438E+08	.00000E+00	3.22135E+08	3.22135E+08
57	1.20031E+04	1.06603E+04	1.06312E+04	8.57218E+06	1.09504E+09	.00000E+00	1.95055E+09	1.95055E+09
58	4.59514E+03	3.76326E+03	3.75630E+03	3.02878E+06	7.10142E+08	.00000E+00	1.12933E+09	1.12933E+09
59	2.00563E+03	1.50617E+03	1.50647E+03	1.21470E+06	6.25945E+08	.00000E+00	8.23454E+08	8.23454E+08
60	1.67320E+03	1.11859E+03	1.11658E+03	9.00320E+05	8.39152E+08	.00000E+00	9.63579E+08	9.63579E+08
61	2.67827E+04	1.21939E+03	-8.91577E+03	-7.18897E+06	2.11684E+09	.00000E+00	1.84831E+09	1.84831E+09
62	1.29131E+04	3.56007E+02	-5.39993E+03	-4.35408E+06	2.10499E+09	.00000E+00	7.82357E+08	7.82357E+08
63	1.00611E+04	6.41698E+01	-4.94658E+03	-3.98853E+06	5.50309E+08	.00000E+00	4.43735E+07	4.43735E+07
64	5.50838E+03	3.89299E+00	-2.85746E+03	-2.30403E+06	2.17272E+07	.00000E+00	8.91804E+05	8.91804E+05
65	2.68817E+03	8.18838E-01	-1.43263E+03	-1.15516E+06	3.91076E+05	.00000E+00	2.14540E+04	2.14540E+04
66	7.50392E+00	3.18983E-04	-4.09759E+00	-3.30398E+03	2.40284E+02	.00000E+00	6.86377E+00	6.86377E+00
67	6.29085E-02	1.02955E-06	-3.36424E-02	-2.71266E+01	4.63575E+00	.00000E+00	5.77541E-02	5.77541E-02
68	2.24560E+05	7.63704E+04	3.07932E+04	2.48292E+07	8.25558E+09	.00000E+00	9.42024E+09	9.42024E+09

1 SUMMARY FOR ZONE 9 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 1.30270E+04

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	1.69174E+01	5.15847E+01	3.04004E+00	-5.46246E+01	1.00000E+00
3	.00000E+00	.00000E+00	1.31158E+01	1.37663E+02	4.54204E+02	2.90709E+01	-4.70159E+02	1.00001E+00
4	.00000E+00	.00000E+00	9.04036E+01	1.58841E+02	7.75920E+02	6.30213E+01	-7.48538E+02	1.00000E+00
5	.00000E+00	.00000E+00	2.09867E+02	6.57313E+02	2.32640E+03	8.41423E+01	-2.20065E+03	9.99941E-01
6	.00000E+00	.00000E+00	7.63086E+02	2.76594E+03	1.26590E+04	1.68369E+02	-1.20642E+04	9.99974E-01
7	.00000E+00	.00000E+00	3.93230E+03	6.92110E+03	2.90959E+04	1.71106E+02	-2.53347E+04	9.99997E-01
8	.00000E+00	.00000E+00	1.43135E+04	2.37255E+04	5.36200E+04	3.42322E+02	-3.96484E+04	9.99985E-01
9	.00000E+00	.00000E+00	2.04046E+04	1.39730E+04	5.32839E+04	6.32957E+01	-3.29425E+04	9.99997E-01
10	.00000E+00	.00000E+00	1.56801E+04	8.10886E+03	5.66131E+04	6.33910E+01	-4.09962E+04	9.99995E-01
11	.00000E+00	.00000E+00	2.31610E+04	8.90082E+03	8.18629E+04	7.88017E+01	-5.87806E+04	1.00000E+00
12	.00000E+00	.00000E+00	1.39380E+04	1.69491E+03	4.27222E+04	3.45364E+01	-2.88188E+04	9.99999E-01
13	.00000E+00	.00000E+00	3.25738E+03	7.81070E+01	1.02095E+04	8.25286E+00	-6.96035E+03	9.99999E-01
14	.00000E+00	.00000E+00	1.91260E+04	3.27048E+03	6.62943E+04	5.68349E+01	-4.72251E+04	1.00000E+00
15	.00000E+00	.00000E+00	6.35377E+04	3.36084E+04	2.04683E+05	2.30397E+02	-1.41375E+05	9.99992E-01
16	.00000E+00	.00000E+00	9.23870E+04	3.64698E+04	2.65854E+05	3.09772E+02	-1.73775E+05	9.99993E-01
17	.00000E+00	.00000E+00	1.61135E+05	9.34575E+04	4.93054E+05	3.16511E+02	-3.32231E+05	9.99986E-01
18	.00000E+00	.00000E+00	3.26093E+05	4.09080E+05	1.20984E+06	5.12416E+02	-8.84245E+05	9.99984E-01
19	.00000E+00	.00000E+00	4.85135E+05	1.77571E+05	1.02782E+06	3.99424E+02	-5.43071E+05	9.99986E-01
20	.00000E+00	.00000E+00	3.40533E+05	6.52816E+04	6.97522E+05	2.97157E+02	-3.57286E+05	9.99999E-01
21	.00000E+00	.00000E+00	6.78525E+05	4.45437E+05	2.45453E+06	1.42220E+03	-1.77742E+06	9.99988E-01
22	.00000E+00	.00000E+00	1.15793E+06	6.44557E+05	3.14702E+06	2.55107E+03	-1.99162E+06	9.99990E-01
23	.00000E+00	.00000E+00	2.16471E+06	1.59108E+06	4.20708E+06	4.10490E+03	-2.04645E+06	9.99994E-01
24	.00000E+00	.00000E+00	2.15545E+06	7.84856E+05	4.37847E+06	3.93630E+03	-2.22687E+06	9.99979E-01
25	.00000E+00	.00000E+00	4.64350E+06	3.26471E+06	7.13947E+06	9.19389E+03	-2.50502E+06	9.99985E-01
26	.00000E+00	.00000E+00	5.59207E+06	3.73206E+06	9.00640E+06	1.25439E+04	-3.42682E+06	9.99995E-01
27	.00000E+00	.00000E+00	6.99277E+06	3.84542E+06	9.50709E+06	1.39014E+04	-2.52817E+06	9.99996E-01
28	.00000E+00	.00000E+00	7.94579E+06	3.64410E+06	9.51891E+06	1.51306E+04	-1.58801E+06	9.99985E-01
29	.00000E+00	.00000E+00	5.03078E+06	9.84926E+05	5.39801E+06	8.15725E+03	-3.75266E+05	9.99988E-01
30	.00000E+00	.00000E+00	4.19986E+06	6.34999E+05	4.35099E+06	6.87045E+03	-1.57916E+05	9.99991E-01
31	.00000E+00	.00000E+00	1.72218E+06	1.28655E+05	2.48433E+06	3.78678E+03	-7.65915E+05	9.99993E-01
32	.00000E+00	.00000E+00	2.35017E+06	2.28726E+05	3.27415E+06	5.24673E+03	-9.29188E+05	9.99992E-01
33	.00000E+00	.00000E+00	7.63907E+06	2.47283E+06	8.70601E+06	1.84653E+04	-1.08511E+06	9.99980E-01
34	.00000E+00	.00000E+00	1.29541E+07	7.96629E+06	1.43049E+07	4.72386E+04	-1.39797E+06	9.99997E-01

35	.00000E+00	.00000E+00	1.36556E+07	8.26247E+06	1.46847E+07	6.90418E+04	-1.09802E+06	9.99996E-01
36	.00000E+00	.00000E+00	1.41897E+07	7.47556E+06	1.46213E+07	9.75021E+04	-5.28489E+05	9.99980E-01
37	.00000E+00	.00000E+00	1.93169E+07	1.81330E+07	1.94260E+07	2.71216E+05	-3.79631E+05	9.99984E-01
38	.00000E+00	.00000E+00	1.44751E+07	7.90767E+06	1.43381E+07	2.62516E+05	-1.25188E+05	9.99989E-01
39	.00000E+00	.00000E+00	1.43988E+07	7.79210E+06	1.41237E+07	3.76453E+05	-1.01119E+05	9.99994E-01
40	.00000E+00	.00000E+00	1.69663E+07	1.20242E+07	1.62817E+07	7.56482E+05	-7.18635E+04	9.99997E-01
41	.00000E+00	.00000E+00	1.85886E+07	1.59476E+07	1.70701E+07	1.55852E+06	-3.96735E+04	9.99990E-01
42	.00000E+00	.00000E+00	1.30612E+07	6.44947E+06	1.16709E+07	1.39640E+06	-5.90004E+03	9.99993E-01
43	.00000E+00	.00000E+00	1.46601E+07	9.99173E+06	1.19982E+07	2.62736E+06	3.47538E+04	9.99993E-01
44	.00000E+00	.00000E+00	1.10914E+07	6.25953E+06	8.40633E+06	2.62775E+06	5.73837E+04	9.99995E-01
45	.00000E+00	.00000E+00	9.92174E+06	6.36985E+06	6.65286E+06	3.21846E+06	5.05034E+04	9.99996E-01
46	.00000E+00	.00000E+00	1.18985E+07	1.66560E+07	4.53442E+06	7.28482E+06	7.96146E+04	9.99987E-01
47	.00000E+00	.00000E+00	6.95852E+06	1.35704E+07	-1.12000E+02	6.93543E+06	2.33655E+04	9.99989E-01
48	.00000E+00	.00000E+00	2.13186E+02	1.87621E+00	6.02244E+01	.00000E+00	1.52961E+02	1.00000E+00
49	.00000E+00	.00000E+00	5.73300E+02	1.22591E+01	2.75601E+02	.00000E+00	2.97699E+02	1.00000E+00
50	.00000E+00	.00000E+00	1.87225E+03	4.85998E+01	1.28423E+03	.00000E+00	5.88020E+02	1.00000E+00
51	.00000E+00	.00000E+00	7.89414E+02	1.79921E+01	6.40548E+02	.00000E+00	1.48867E+02	1.00000E+00
52	.00000E+00	.00000E+00	2.17255E+02	3.02761E+01	5.98915E+02	.00000E+00	-3.81659E+02	9.99999E-01
53	.00000E+00	.00000E+00	6.40168E+03	2.27920E+02	3.27797E+03	.00000E+00	3.12372E+03	9.99999E-01
54	.00000E+00	.00000E+00	1.32478E+03	2.63216E+02	2.57654E+03	.00000E+00	-1.25175E+03	9.99997E-01
55	.00000E+00	.00000E+00	3.05265E+05	2.13603E+04	1.56801E+05	.00000E+00	1.48464E+05	1.00000E+00
56	.00000E+00	.00000E+00	3.05117E+04	1.72744E+05	1.27035E+06	.00000E+00	-1.23984E+06	1.00003E+00
57	.00000E+00	.00000E+00	4.01891E+05	1.07586E+06	5.10598E+06	.00000E+00	-4.70407E+06	9.99977E-01
58	.00000E+00	.00000E+00	1.21439E+06	3.70139E+05	2.63339E+06	.00000E+00	-1.41901E+06	1.00000E+00
59	.00000E+00	.00000E+00	9.98586E+05	1.35354E+05	1.44857E+06	.00000E+00	-4.49985E+05	1.00000E+00
60	.00000E+00	.00000E+00	1.26112E+06	1.70098E+05	1.45390E+06	.00000E+00	-1.92785E+05	1.00000E+00
61	.00000E+00	.00000E+00	2.88578E+07	6.56406E+06	1.77345E+07	.00000E+00	1.11233E+07	1.00000E+00
62	.00000E+00	.00000E+00	1.86173E+07	1.02314E+07	1.11384E+07	.00000E+00	7.47888E+06	1.00000E+00
63	.00000E+00	.00000E+00	1.51554E+07	1.86699E+07	8.23840E+06	.00000E+00	6.91700E+06	1.00000E+00
64	.00000E+00	.00000E+00	8.14292E+06	1.82604E+07	3.66093E+06	.00000E+00	4.48199E+06	1.00000E+00
65	.00000E+00	.00000E+00	3.29194E+06	1.33704E+07	9.54551E+05	.00000E+00	2.33738E+06	1.00000E+00
66	.00000E+00	.00000E+00	4.45120E+04	5.77045E+04	3.78411E+04	.00000E+00	6.67093E+03	1.00000E+00
67	.00000E+00	.00000E+00	2.73744E+03	1.01343E+03	2.68305E+03	.00000E+00	5.43905E+01	1.00000E+00
68	.00000E+00	.00000E+00	3.24329E+08	2.37195E+08	2.99839E+08	2.76377E+07	-3.14349E+06	9.99993E-01

0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	2.12900E-02	1.76586E-02	1.75077E-02	1.57944E+01	7.04190E+01	.00000E+00	6.81681E+02	6.81681E+02
3	1.67655E-01	1.36874E-01	1.35238E-01	1.22004E+02	5.92163E+02	.00000E+00	5.63938E+03	5.63938E+03
4	2.46714E-01	1.99387E-01	1.96282E-01	1.77074E+02	9.25612E+02	.00000E+00	8.70903E+03	8.70903E+03
5	5.42812E-01	4.34596E-01	4.27153E-01	3.85352E+02	2.58600E+03	.00000E+00	2.22607E+04	2.22607E+04
6	2.76638E+00	2.22533E+00	2.18451E+00	1.97073E+03	1.40350E+04	.00000E+00	1.18273E+05	1.18273E+05
7	5.14937E+00	3.94817E+00	3.83709E+00	3.46159E+03	2.87963E+04	.00000E+00	2.43062E+05	2.43062E+05
8	7.73853E+00	5.18041E+00	4.86363E+00	4.38768E+03	4.40361E+04	.00000E+00	4.03708E+05	4.03708E+05
9	4.87786E+00	2.94609E+00	2.63689E+00	2.37884E+03	3.53213E+04	.00000E+00	2.96163E+05	2.96163E+05
10	3.30222E+00	2.00019E+00	1.75325E+00	1.58167E+03	4.25779E+04	.00000E+00	2.77557E+05	2.77557E+05
11	4.44691E+00	2.69018E+00	2.34765E+00	2.11791E+03	6.08985E+04	.00000E+00	3.99255E+05	3.99255E+05
12	2.08457E+00	1.26598E+00	1.10479E+00	9.96679E+02	2.98155E+04	.00000E+00	1.93602E+05	1.93602E+05
13	4.73768E-01	2.93242E-01	2.57486E-01	2.32289E+02	7.19264E+03	.00000E+00	4.52799E+04	4.52799E+04
14	2.92804E+00	1.76217E+00	1.52042E+00	1.37163E+03	4.85968E+04	.00000E+00	2.97245E+05	2.97245E+05
15	8.49957E+00	5.00683E+00	4.31884E+00	3.89620E+03	1.45271E+05	.00000E+00	9.22550E+05	9.22550E+05
16	8.69201E+00	5.02142E+00	4.30185E+00	3.88087E+03	1.77656E+05	.00000E+00	1.08014E+06	1.08014E+06
17	1.24332E+01	7.02480E+00	5.96979E+00	5.38559E+03	3.37617E+05	.00000E+00	1.88873E+06	1.88873E+06
18	2.04153E+01	1.10944E+01	9.25637E+00	8.35054E+03	8.92595E+05	.00000E+00	4.42673E+06	4.42673E+06
19	1.16942E+01	6.20728E+00	5.20712E+00	4.69755E+03	5.47769E+05	.00000E+00	2.92026E+06	2.92026E+06
20	6.56553E+00	3.25935E+00	2.58237E+00	2.32966E+03	3.59615E+05	.00000E+00	1.76644E+06	1.76644E+06
21	1.26225E+01	6.45688E+00	5.26155E+00	4.74665E+03	1.78216E+06	.00000E+00	6.20839E+06	6.20839E+06
22	1.22965E+01	6.19498E+00	5.06718E+00	4.57130E+03	1.99619E+06	.00000E+00	7.33508E+06	7.33508E+06
23	1.61203E+01	7.66165E+00	6.08470E+00	5.48925E+03	2.05194E+06	.00000E+00	9.40720E+06	9.40720E+06
24	1.06675E+01	4.76004E+00	3.54224E+00	3.19559E+03	2.23007E+06	.00000E+00	7.94105E+06	7.94105E+06
25	2.09665E+01	9.14173E+00	6.79568E+00	6.13066E+03	2.51115E+06	.00000E+00	1.39745E+07	1.39745E+07

26	1.74221E+01	7.12492E+00	4.95027E+00	4.46583E+03	3.43128E+06	.00000E+00	1.41371E+07	1.41371E+07
27	1.52351E+01	5.90218E+00	3.80182E+00	3.42978E+03	2.53160E+06	.00000E+00	1.27133E+07	1.27133E+07
28	1.27863E+01	5.02740E+00	3.39061E+00	3.05881E+03	1.59107E+06	.00000E+00	1.10930E+07	1.10930E+07
29	5.99371E+00	2.32574E+00	1.53724E+00	1.38681E+03	3.76653E+05	.00000E+00	5.02244E+06	5.02244E+06
30	5.15107E+00	1.79725E+00	9.14367E-01	8.24887E+02	1.58740E+05	.00000E+00	3.79864E+06	3.79864E+06
31	1.88537E+00	6.60854E-01	3.50073E-01	3.15815E+02	7.66231E+05	.00000E+00	1.95592E+06	1.95592E+06
32	2.21803E+00	8.72591E-01	5.98935E-01	5.40323E+02	9.29728E+05	.00000E+00	2.59590E+06	2.59590E+06
33	8.25610E+00	3.17810E+00	2.08151E+00	1.87781E+03	1.08698E+06	.00000E+00	8.09077E+06	8.09077E+06
34	1.59451E+01	6.09314E+00	3.94261E+00	3.55678E+03	1.40153E+06	.00000E+00	1.55027E+07	1.55027E+07
35	1.57541E+01	5.99127E+00	3.83148E+00	3.45653E+03	1.10147E+06	.00000E+00	1.54870E+07	1.54870E+07
36	1.59104E+01	5.79309E+00	3.34829E+00	3.02062E+03	5.31509E+05	.00000E+00	1.47163E+07	1.47163E+07
37	2.75184E+01	1.01265E+01	6.00954E+00	5.42145E+03	3.85052E+05	.00000E+00	2.47437E+07	2.47437E+07
38	1.77649E+01	6.18649E+00	3.16598E+00	2.85616E+03	1.28044E+05	.00000E+00	1.46059E+07	1.46059E+07
39	1.71582E+01	6.26231E+00	3.65601E+00	3.29823E+03	1.04417E+05	.00000E+00	1.43644E+07	1.43644E+07
40	2.29416E+01	8.37763E+00	4.88912E+00	4.41067E+03	7.62742E+04	.00000E+00	1.85336E+07	1.85336E+07
41	2.79647E+01	1.01924E+01	5.92267E+00	5.34307E+03	4.50165E+04	.00000E+00	2.16076E+07	2.16076E+07
42	1.57929E+01	5.74613E+00	3.33115E+00	3.00516E+03	8.90520E+03	.00000E+00	1.18458E+07	1.18458E+07
43	1.95031E+01	7.09406E+00	4.12621E+00	3.72242E+03	-3.10314E+04	.00000E+00	1.43097E+07	1.43097E+07
44	1.26842E+01	4.60131E+00	2.68011E+00	2.41784E+03	-5.49659E+04	.00000E+00	9.29621E+06	9.29621E+06
45	1.04220E+01	3.75724E+00	2.18702E+00	1.97300E+03	-4.85304E+04	.00000E+00	7.83036E+06	7.83036E+06
46	1.23428E+01	4.38173E+00	2.51851E+00	2.27204E+03	-7.73426E+04	.00000E+00	1.04060E+07	1.04060E+07
47	4.03950E+00	1.41229E+00	8.02903E-01	7.24331E+02	-2.26412E+04	.00000E+00	4.29058E+06	4.29058E+06
48	1.43631E-01	7.38905E-02	7.37620E-02	6.65436E+01	-8.64178E+01	.00000E+00	3.18598E+03	3.18598E+03
49	7.01307E-01	4.42348E-01	4.11508E-01	3.71238E+02	7.35384E+01	.00000E+00	1.35622E+04	1.35622E+04
50	3.07512E+00	2.20692E+00	2.12963E+00	1.92122E+03	1.33320E+03	.00000E+00	5.83630E+04	5.83630E+04
51	1.44052E+00	1.06400E+00	1.03783E+00	9.36272E+02	7.87405E+02	.00000E+00	2.63733E+04	2.63733E+04
52	1.40051E+00	1.11982E+00	1.08357E+00	9.77532E+02	1.35919E+03	.00000E+00	2.33142E+04	2.33142E+04
53	5.54004E+00	3.59421E+00	3.54299E+00	3.19627E+03	7.25524E+01	.00000E+00	1.17154E+05	1.17154E+05
54	4.65921E+00	3.64274E+00	3.55441E+00	3.20658E+03	4.45833E+03	.00000E+00	8.27745E+04	8.27745E+04
55	1.49525E+02	9.51881E+01	9.46706E+01	8.54061E+04	-6.30584E+04	.00000E+00	4.18854E+06	4.18854E+06
56	1.40205E+03	1.28330E+03	1.28042E+03	1.15512E+06	2.39496E+06	.00000E+00	2.85329E+07	2.85329E+07
57	4.81794E+03	4.29750E+03	4.28770E+03	3.86810E+06	8.57218E+06	.00000E+00	1.01643E+08	1.01643E+08
58	2.18729E+03	1.78611E+03	1.78440E+03	1.60977E+06	3.02878E+06	.00000E+00	4.23168E+07	4.23168E+07
59	1.14374E+03	8.47187E+02	8.47667E+02	7.64714E+05	1.21470E+06	.00000E+00	2.04934E+07	2.04934E+07
60	1.18708E+03	7.84818E+02	7.84285E+02	7.07535E+05	9.00320E+05	.00000E+00	1.97428E+07	1.97428E+07
61	7.43012E+03	4.42325E+03	4.36111E+03	3.93434E+06	-7.18897E+06	.00000E+00	2.60913E+08	2.60913E+08
62	7.51205E+03	3.71656E+03	3.46377E+03	3.12480E+06	-4.35408E+06	.00000E+00	1.84308E+08	1.84308E+08
63	6.20953E+03	3.29072E+03	3.24614E+03	2.92847E+06	-3.98853E+06	.00000E+00	1.84902E+08	1.84902E+08
64	4.43863E+03	2.41716E+03	2.41421E+03	2.17796E+06	-2.30403E+06	.00000E+00	1.29053E+08	1.29053E+08
65	2.39606E+03	1.31121E+03	1.31046E+03	1.18222E+06	-1.15516E+06	.00000E+00	7.28970E+07	7.28970E+07
66	6.74153E+00	3.73248E+00	3.73218E+00	3.36695E+03	-3.30398E+03	.00000E+00	2.77225E+05	2.77225E+05
67	5.63117E-02	3.02223E-02	3.02214E-02	2.72639E+01	-2.71266E+01	.00000E+00	3.98385E+03	3.98385E+03
68	3.93782E+04	2.44767E+04	2.40381E+04	2.16858E+07	2.48292E+07	.00000E+00	1.36672E+09	1.36672E+09

1 SUMMARY FOR ZONE 10 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 9.05285E+02

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	1.71309E+00	1.53157E+00	1.44360E-03	-1.53292E+00	1.00000E+00
3	.00000E+00	.00000E+00	6.88974E-02	1.30043E+01	1.16878E+01	8.67915E-03	-1.16264E+01	9.91363E-01
4	.00000E+00	.00000E+00	4.16952E-01	1.93236E+01	1.75216E+01	1.03087E-02	-1.71132E+01	9.97792E-01
5	.00000E+00	.00000E+00	8.60818E-01	4.81034E+01	3.72135E+01	1.60487E-02	-3.63626E+01	9.96457E-01
6	.00000E+00	.00000E+00	2.05903E+00	2.94237E+02	1.86396E+02	5.39727E-02	-1.84375E+02	9.96108E-01
7	.00000E+00	.00000E+00	7.80571E+00	7.06867E+02	3.29619E+02	8.41765E-02	-3.21859E+02	9.97534E-01
8	.00000E+00	.00000E+00	2.55172E+01	1.30713E+03	3.70891E+02	1.38595E-01	-3.45488E+02	9.99509E-01
9	.00000E+00	.00000E+00	4.79291E+01	9.39583E+02	1.38864E+02	9.43849E-02	-9.09983E+01	9.99674E-01
10	.00000E+00	.00000E+00	6.45847E+01	6.34908E+02	7.46633E+01	7.09070E-02	-1.01244E+01	9.99806E-01
11	.00000E+00	.00000E+00	7.29867E+01	8.62130E+02	6.17856E+01	1.15602E-01	1.11533E+01	9.99535E-01
12	.00000E+00	.00000E+00	7.10757E+01	3.49876E+02	6.95736E+01	5.02146E-02	1.45123E+00	1.00000E+00
13	.00000E+00	.00000E+00	5.12732E+01	4.96597E+01	5.47094E+01	1.09573E-02	-3.44833E+00	1.00001E+00
14	.00000E+00	.00000E+00	9.49652E+01	5.32953E+02	6.62327E+01	6.54932E-02	2.87168E+01	9.99738E-01

15	.00000E+00	.00000E+00	1.32700E+02	1.42524E+03	5.78887E+01	1.67026E-01	7.47673E+01	9.99538E-01
16	.00000E+00	.00000E+00	1.34907E+02	1.44200E+03	9.07982E+01	1.41534E-01	4.40569E+01	9.99670E-01
17	.00000E+00	.00000E+00	2.03926E+02	1.74878E+03	6.74633E+01	1.70799E-01	1.36280E+02	1.00003E+00
18	.00000E+00	.00000E+00	2.32475E+02	2.89576E+03	5.38052E+01	2.18742E-01	1.78476E+02	9.99947E-01
19	.00000E+00	.00000E+00	1.49746E+02	1.58015E+03	1.43972E+02	4.09715E-01	5.38477E+00	9.99929E-01
20	.00000E+00	.00000E+00	1.87327E+02	9.13190E+02	7.04495E+01	3.31086E-01	1.16550E+02	9.99990E-01
21	.00000E+00	.00000E+00	1.49636E+02	1.73616E+03	1.05209E+02	1.11007E+00	4.33242E+01	9.99974E-01
22	.00000E+00	.00000E+00	1.73788E+02	1.60573E+03	1.96293E+01	5.80083E-01	1.53581E+02	9.99995E-01
23	.00000E+00	.00000E+00	9.93497E+01	2.14867E+03	8.69436E+01	1.97363E-01	1.22085E+01	1.00000E+00
24	.00000E+00	.00000E+00	1.25755E+02	2.18923E+03	9.62217E+01	3.14490E-01	2.92185E+01	1.00000E+00
25	.00000E+00	.00000E+00	1.50567E+02	4.30350E+03	7.66309E+01	2.61627E-02	7.39028E+01	1.00002E+00
26	.00000E+00	.00000E+00	1.03515E+02	4.28104E+03	8.07383E+01	8.08561E-01	2.19688E+01	9.99997E-01
27	.00000E+00	.00000E+00	9.37987E+01	4.86945E+03	7.53989E+01	6.08016E-01	1.77920E+01	9.99999E-01
28	.00000E+00	.00000E+00	8.09902E+01	3.35958E+03	6.61948E+01	5.81654E-02	1.47371E+01	1.00000E+00
29	.00000E+00	.00000E+00	6.78756E+01	1.58152E+03	6.73833E+01	7.48823E-04	4.91821E-01	9.99998E-01
30	.00000E+00	.00000E+00	6.82612E+01	1.45639E+03	7.52692E+01	4.92261E-04	-7.00861E+00	1.00000E+00
31	.00000E+00	.00000E+00	7.54664E+01	4.93834E+02	7.38635E+01	1.56186E-04	1.60272E+00	1.00000E+00
32	.00000E+00	.00000E+00	7.41141E+01	5.50834E+02	5.87972E+01	1.52914E-04	1.53167E+01	1.00000E+00
33	.00000E+00	.00000E+00	5.94655E+01	2.26503E+03	6.00437E+01	4.95585E-04	-5.78857E-01	1.00000E+00
34	.00000E+00	.00000E+00	6.03232E+01	4.50802E+03	5.92559E+01	7.76838E-04	1.06665E+00	9.99999E-01
35	.00000E+00	.00000E+00	5.90820E+01	4.50858E+03	5.42124E+01	7.31350E-04	4.86987E+00	9.99991E-01
36	.00000E+00	.00000E+00	5.44490E+01	4.71069E+03	6.74814E+01	9.01438E-04	-1.30334E+01	1.00000E+00
37	.00000E+00	.00000E+00	6.74885E+01	8.15243E+03	6.29482E+01	2.18300E-03	4.53760E+00	1.00000E+00
38	.00000E+00	.00000E+00	6.33954E+01	5.42948E+03	7.06553E+01	2.25411E-03	-7.26050E+00	9.99987E-01
39	.00000E+00	.00000E+00	7.09286E+01	5.08321E+03	6.65835E+01	3.01138E-03	4.34277E+00	9.99995E-01
40	.00000E+00	.00000E+00	6.63102E+01	6.81838E+03	6.59917E+01	6.21107E-03	3.12988E-01	9.99995E-01
41	.00000E+00	.00000E+00	6.63674E+01	8.34208E+03	6.43037E+01	1.33566E-02	2.05176E+00	9.99989E-01
42	.00000E+00	.00000E+00	6.45557E+01	4.68706E+03	6.05283E+01	1.22604E-02	4.01587E+00	9.99994E-01
43	.00000E+00	.00000E+00	6.08908E+01	5.79997E+03	5.55869E+01	2.34717E-02	5.28101E+00	9.99995E-01
44	.00000E+00	.00000E+00	5.57032E+01	3.72459E+03	7.31123E+01	2.33701E-02	-1.74331E+01	1.00001E+00
45	.00000E+00	.00000E+00	7.32894E+01	3.05013E+03	5.93015E+01	2.77427E-02	1.39601E+01	1.00000E+00
46	.00000E+00	.00000E+00	5.93430E+01	3.63620E+03	3.18694E+01	5.57361E-02	2.74187E+01	9.99993E-01
47	.00000E+00	.00000E+00	3.18613E+01	1.19391E+03	6.31104E-02	4.17344E-02	3.17565E+01	9.99999E-01
48	.00000E+00	.00000E+00	6.10334E-02	3.85778E-01	4.18254E+01	.00000E+00	-4.17644E+01	9.99923E-01
49	.00000E+00	.00000E+00	1.07633E+00	4.06214E+00	2.69913E+02	.00000E+00	-2.68836E+02	1.00002E+00
50	.00000E+00	.00000E+00	5.37504E+00	1.62009E+01	1.10150E+03	.00000E+00	-1.09612E+03	9.99970E-01
51	.00000E+00	.00000E+00	3.40393E+01	6.48942E+00	4.95866E+02	.00000E+00	-4.61827E+02	9.99999E-01
52	.00000E+00	.00000E+00	6.11357E+01	1.25622E+01	5.02758E+02	.00000E+00	-4.41622E+02	1.00000E+00
53	.00000E+00	.00000E+00	9.61388E+01	6.36633E+01	1.63667E+03	.00000E+00	-1.54053E+03	1.00002E+00
54	.00000E+00	.00000E+00	2.36638E+02	1.01246E+02	1.54220E+03	.00000E+00	-1.30557E+03	1.00001E+00
55	.00000E+00	.00000E+00	1.54988E+03	4.49311E+03	4.20839E+04	.00000E+00	-4.05341E+04	1.00001E+00
56	.00000E+00	.00000E+00	5.98267E+03	5.93411E+04	4.83562E+05	.00000E+00	-4.77578E+05	9.99928E-01
57	.00000E+00	.00000E+00	1.14366E+05	3.54155E+05	1.88198E+06	.00000E+00	-1.76760E+06	9.99946E-01
58	.00000E+00	.00000E+00	3.32515E+05	1.56023E+05	1.13207E+06	.00000E+00	-7.99559E+05	1.00000E+00
59	.00000E+00	.00000E+00	2.78002E+05	7.53530E+04	6.93275E+05	.00000E+00	-4.15273E+05	1.00000E+00
60	.00000E+00	.00000E+00	3.54619E+05	9.53438E+04	7.79589E+05	.00000E+00	-4.24970E+05	1.00000E+00
61	.00000E+00	.00000E+00	1.06102E+06	9.22540E+05	4.45763E+06	.00000E+00	-3.39661E+06	1.00000E+00
62	.00000E+00	.00000E+00	2.58080E+06	9.87199E+05	5.87013E+06	.00000E+00	-3.28934E+06	1.00000E+00
63	.00000E+00	.00000E+00	9.76121E+05	3.18407E+05	3.98459E+06	.00000E+00	-3.00846E+06	9.99997E-01
64	.00000E+00	.00000E+00	4.90039E+04	1.86180E+05	2.23052E+06	.00000E+00	-2.18152E+06	9.99994E-01
65	.00000E+00	.00000E+00	9.50405E+03	1.16572E+05	1.19174E+06	.00000E+00	-1.18224E+06	1.00004E+00
66	.00000E+00	.00000E+00	5.49982E+01	1.39953E+02	3.42286E+03	.00000E+00	-3.36786E+03	1.00001E+00
67	.00000E+00	.00000E+00	6.80893E-01	6.17221E-01	2.81455E+01	.00000E+00	-2.74646E+01	1.00000E+00
68	.00000E+00	.00000E+00	5.76763E+06	3.39220E+06	2.27599E+07	6.07839E+00	-1.69922E+07	9.99999E-01

0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	1.90501E-02	1.57437E-02	1.56991E-02	1.42614E+01	1.57944E+01	.00000E+00	1.82736E+01	1.82736E+01
3	1.49093E-01	1.21967E-01	1.21505E-01	1.10378E+02	1.22004E+02	.00000E+00	1.43463E+02	1.43463E+02
4	2.17340E-01	1.77072E-01	1.76086E-01	1.59961E+02	1.77074E+02	.00000E+00	2.10156E+02	2.10156E+02
5	4.77196E-01	3.86445E-01	3.84170E-01	3.48989E+02	3.85352E+02	.00000E+00	4.61871E+02	4.61871E+02

6	2.43119E+00	1.97902E+00	1.96644E+00	1.78636E+03	1.97073E+03	.00000E+00	2.35278E+03	2.35278E+03
7	4.50399E+00	3.49779E+00	3.45625E+00	3.13973E+03	3.46159E+03	.00000E+00	4.37119E+03	4.37119E+03
8	6.61168E+00	4.57486E+00	4.44968E+00	4.04219E+03	4.38768E+03	.00000E+00	6.50964E+03	6.50964E+03
9	4.11200E+00	2.63028E+00	2.51848E+00	2.28785E+03	2.37884E+03	.00000E+00	4.09159E+03	4.09159E+03
10	2.83072E+00	1.81691E+00	1.72998E+00	1.57155E+03	1.58167E+03	.00000E+00	2.79795E+03	2.79795E+03
11	3.82909E+00	2.45955E+00	2.34369E+00	2.12906E+03	2.11791E+03	.00000E+00	3.77819E+03	3.77819E+03
12	1.80466E+00	1.15757E+00	1.09875E+00	9.98130E+02	9.96679E+02	.00000E+00	1.77487E+03	1.77487E+03
13	4.02464E-01	2.63516E-01	2.51909E-01	2.28840E+02	2.32289E+02	.00000E+00	4.00289E+02	4.00289E+02
14	2.51122E+00	1.61621E+00	1.54152E+00	1.40035E+03	1.37163E+03	.00000E+00	2.48703E+03	2.48703E+03
15	7.39827E+00	4.63332E+00	4.37127E+00	3.97097E+03	3.89620E+03	.00000E+00	7.25046E+03	7.25046E+03
16	7.47403E+00	4.60248E+00	4.32059E+00	3.92492E+03	3.88087E+03	.00000E+00	7.37207E+03	7.37207E+03
17	1.08935E+01	6.54633E+00	6.07852E+00	5.52187E+03	5.38559E+03	.00000E+00	1.06219E+04	1.06219E+04
18	1.78214E+01	1.02886E+01	9.38882E+00	8.52902E+03	8.35054E+03	.00000E+00	1.74016E+04	1.74016E+04
19	9.93957E+00	5.65322E+00	5.17703E+00	4.70293E+03	4.69755E+03	.00000E+00	9.83653E+03	9.83653E+03
20	5.65243E+00	3.02534E+00	2.69281E+00	2.44621E+03	2.32966E+03	.00000E+00	5.56375E+03	5.56375E+03
21	1.08416E+01	5.90501E+00	5.27285E+00	4.78997E+03	4.74665E+03	.00000E+00	1.06673E+04	1.06673E+04
22	1.04975E+01	5.73117E+00	5.20119E+00	4.72488E+03	4.57130E+03	.00000E+00	1.03646E+04	1.03646E+04
23	1.37714E+01	6.97841E+00	6.05605E+00	5.50145E+03	5.48925E+03	.00000E+00	1.35659E+04	1.35659E+04
24	8.30697E+00	4.11407E+00	3.54990E+00	3.22481E+03	3.19559E+03	.00000E+00	8.63904E+03	8.63904E+03
25	1.60490E+01	7.87297E+00	6.83003E+00	6.20456E+03	6.13066E+03	.00000E+00	1.68369E+04	1.68369E+04
26	1.28878E+01	5.95524E+00	4.94021E+00	4.48780E+03	4.46583E+03	.00000E+00	1.37777E+04	1.37777E+04
27	1.04738E+01	4.68711E+00	3.79511E+00	3.44757E+03	3.42978E+03	.00000E+00	1.16944E+04	1.16944E+04
28	9.11261E+00	4.12059E+00	3.38339E+00	3.07355E+03	3.05881E+03	.00000E+00	9.94144E+03	9.94144E+03
29	4.28326E+00	1.90043E+00	1.52715E+00	1.38730E+03	1.38681E+03	.00000E+00	4.66308E+03	4.66308E+03
30	4.29805E+00	1.55297E+00	9.00327E-01	8.17878E+02	8.24887E+02	.00000E+00	4.28040E+03	4.28040E+03
31	1.60374E+00	5.73106E-01	3.49416E-01	3.17417E+02	3.15815E+02	.00000E+00	1.57676E+03	1.57676E+03
32	1.49289E+00	7.06926E-01	6.11653E-01	5.55640E+02	5.40323E+02	.00000E+00	1.68750E+03	1.68750E+03
33	5.81828E+00	2.57894E+00	2.06647E+00	1.87723E+03	1.87781E+03	.00000E+00	6.38582E+03	6.38582E+03
34	1.13698E+01	4.95338E+00	3.91651E+00	3.55785E+03	3.55678E+03	.00000E+00	1.23869E+04	1.23869E+04
35	1.12818E+01	4.87653E+00	3.81034E+00	3.46140E+03	3.45653E+03	.00000E+00	1.22628E+04	1.22628E+04
36	1.23070E+01	4.83667E+00	3.31078E+00	3.00759E+03	3.02062E+03	.00000E+00	1.27839E+04	1.27839E+04
37	2.08690E+01	8.40334E+00	5.97297E+00	5.42598E+03	5.42145E+03	.00000E+00	2.19316E+04	2.19316E+04
38	1.46232E+01	5.30682E+00	3.13609E+00	2.84890E+03	2.85616E+03	.00000E+00	1.46688E+04	1.46688E+04
39	1.31415E+01	5.21703E+00	3.63550E+00	3.30258E+03	3.29823E+03	.00000E+00	1.37296E+04	1.37296E+04
40	1.75567E+01	6.97543E+00	4.85564E+00	4.41098E+03	4.41067E+03	.00000E+00	1.83525E+04	1.83525E+04
41	2.14874E+01	8.49831E+00	5.88396E+00	5.34513E+03	5.34307E+03	.00000E+00	2.24080E+04	2.24080E+04
42	1.21362E+01	4.79320E+00	3.31253E+00	3.00918E+03	3.00516E+03	.00000E+00	1.26551E+04	1.26551E+04
43	1.49445E+01	5.91438E+00	4.10349E+00	3.72770E+03	3.72242E+03	.00000E+00	1.56072E+04	1.56072E+04
44	9.67310E+00	3.81980E+00	2.64239E+00	2.40040E+03	2.41784E+03	.00000E+00	1.01223E+04	1.01223E+04
45	7.87624E+00	3.12585E+00	2.18726E+00	1.98696E+03	1.97300E+03	.00000E+00	8.28708E+03	8.28708E+03
46	9.25386E+00	3.64294E+00	2.53127E+00	2.29946E+03	2.27204E+03	.00000E+00	9.77426E+03	9.77426E+03
47	2.97233E+00	1.17896E+00	8.32308E-01	7.56087E+02	7.24331E+02	.00000E+00	3.17604E+03	3.17604E+03
48	4.10724E-02	2.76158E-02	2.72772E-02	2.47793E+01	6.65436E+01	.00000E+00	7.32740E+01	7.32740E+01
49	5.31475E-01	2.12941E-01	1.12724E-01	1.02401E+02	3.71238E+02	.00000E+00	5.03168E+02	5.03168E+02
50	2.00368E+00	1.14663E+00	9.08281E-01	8.25103E+02	1.92122E+03	.00000E+00	2.14416E+03	2.14416E+03
51	8.82863E-01	5.89015E-01	5.22273E-01	4.74445E+02	9.36272E+02	.00000E+00	1.00070E+03	1.00070E+03
52	9.96934E-01	6.70937E-01	5.89934E-01	5.35910E+02	9.77532E+02	.00000E+00	1.05111E+03	1.05111E+03
53	2.78535E+00	1.92887E+00	1.82265E+00	1.65574E+03	3.19627E+03	.00000E+00	3.55678E+03	3.55678E+03
54	3.17959E+00	2.26977E+00	2.09264E+00	1.90101E+03	3.20658E+03	.00000E+00	3.45855E+03	3.45855E+03
55	6.79432E+01	4.96775E+01	4.93955E+01	4.48720E+04	8.54061E+04	.00000E+00	9.32537E+04	9.32537E+04
56	8.11521E+02	7.46728E+02	7.45846E+02	6.77544E+05	1.15512E+06	.00000E+00	9.83245E+05	9.83245E+05
57	2.58776E+03	2.31452E+03	2.31225E+03	2.10050E+06	3.86810E+06	.00000E+00	3.27114E+06	3.27114E+06
58	1.08743E+03	8.92210E+02	8.91892E+02	8.10216E+05	1.60977E+06	.00000E+00	1.43376E+06	1.43376E+06
59	5.09091E+02	3.84217E+02	3.84667E+02	3.49440E+05	7.64714E+05	.00000E+00	7.09465E+05	7.09465E+05
60	4.58115E+02	3.11948E+02	3.11049E+02	2.82564E+05	7.07535E+05	.00000E+00	6.78892E+05	6.78892E+05
61	1.13776E+03	6.23757E+02	5.91930E+02	5.37723E+05	3.93434E+06	.00000E+00	2.76966E+06	2.76966E+06
62	9.31161E+02	9.69083E+01	-1.81119E+02	-1.64533E+05	3.12480E+06	.00000E+00	1.13665E+06	1.13665E+06
63	2.05544E+02	4.57897E+00	-8.80585E+01	-7.99944E+04	2.92847E+06	.00000E+00	1.41308E+05	1.41308E+05
64	8.59068E+00	9.47964E-02	-3.91757E+00	-3.55881E+03	2.17796E+06	.00000E+00	5.04623E+04	5.04623E+04
65	3.48936E-02	7.65434E-05	-2.20811E-02	-2.00590E+01	1.18222E+06	.00000E+00	1.49143E+04	1.49143E+04

66	1.97103E-03	1.52793E-07	-1.00674E-03	-9.14541E-01	3.36695E+03	.00000E+00	6.41082E+00	6.41082E+00
67	4.34339E-04	1.55238E-07	-2.20876E-04	-2.00649E-01	2.72639E+01	.00000E+00	2.23443E-02	2.23443E-02
68	8.19339E+03	5.61115E+03	5.16669E+03	4.69354E+06	2.16858E+07	.00000E+00	1.16842E+07	1.16842E+07

1 SUMMARY FOR ZONE 11 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 4.55000E+02

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	8.58252E-01	9.03075E-01	1.45264E-01	-1.04828E+00	1.00000E+00
3	.00000E+00	.00000E+00	1.00344E-01	8.18947E+00	7.21108E+00	1.04637E+00	-8.15624E+00	9.95730E-01
4	.00000E+00	.00000E+00	7.43045E-01	1.35410E+01	1.09538E+01	1.32894E+00	-1.15381E+01	9.98965E-01
5	.00000E+00	.00000E+00	1.46112E+00	3.29106E+01	2.50479E+01	2.53917E+00	-2.61208E+01	9.98239E-01
6	.00000E+00	.00000E+00	4.23311E+00	1.80793E+02	1.32679E+02	1.01085E+01	-1.38542E+02	9.98451E-01
7	.00000E+00	.00000E+00	2.20773E+01	3.49723E+02	2.47073E+02	1.23674E+01	-2.37339E+02	9.99461E-01
8	.00000E+00	.00000E+00	6.53733E+01	5.39596E+02	3.27040E+02	1.21680E+01	-2.73814E+02	9.99840E-01
9	.00000E+00	.00000E+00	9.10574E+01	2.99751E+02	2.10455E+02	4.75625E+00	-1.24142E+02	9.99936E-01
10	.00000E+00	.00000E+00	8.88887E+01	1.90945E+02	1.53425E+02	2.35699E+00	-6.68849E+01	9.99952E-01
11	.00000E+00	.00000E+00	1.04557E+02	2.80144E+02	2.01033E+02	2.38880E+00	-9.88386E+01	9.99876E-01
12	.00000E+00	.00000E+00	8.55715E+01	9.47965E+01	1.25324E+02	9.03488E-01	-4.06538E+01	9.99988E-01
13	.00000E+00	.00000E+00	2.67861E+01	6.98345E+00	3.32760E+01	1.90519E-01	-6.68050E+00	1.00000E+00
14	.00000E+00	.00000E+00	1.02766E+02	1.28996E+02	1.60225E+02	1.09383E+00	-5.85508E+01	9.99993E-01
15	.00000E+00	.00000E+00	2.06646E+02	5.47419E+02	3.20294E+02	2.26528E+00	-1.15861E+02	9.99875E-01
16	.00000E+00	.00000E+00	2.25673E+02	5.02138E+02	2.96089E+02	1.61107E+00	-7.19927E+01	9.99925E-01
17	.00000E+00	.00000E+00	3.36230E+02	8.24312E+02	3.78153E+02	1.91977E+00	-4.38286E+01	9.99979E-01
18	.00000E+00	.00000E+00	4.92539E+02	1.51376E+03	3.12082E+02	2.63229E+00	1.77839E+02	9.99986E-01
19	.00000E+00	.00000E+00	3.04080E+02	7.49992E+02	2.53033E+02	1.84876E+00	4.92090E+01	9.99983E-01
20	.00000E+00	.00000E+00	2.98378E+02	5.22570E+02	2.55397E+02	1.44688E+00	4.15352E+01	9.99998E-01
21	.00000E+00	.00000E+00	4.19076E+02	8.98059E+02	1.78851E+02	2.78395E+00	2.37445E+02	9.99995E-01
22	.00000E+00	.00000E+00	3.12564E+02	9.21550E+02	2.03810E+02	2.11204E+00	1.06643E+02	9.99999E-01
23	.00000E+00	.00000E+00	3.29563E+02	1.74825E+03	1.73983E+02	2.67212E+00	1.52908E+02	1.00000E+00
24	.00000E+00	.00000E+00	2.53935E+02	8.31588E+02	9.90812E+01	2.13964E+00	1.52714E+02	1.00000E+00
25	.00000E+00	.00000E+00	2.25300E+02	2.00532E+03	1.98735E+02	4.43909E+00	2.21230E+01	1.00001E+00
26	.00000E+00	.00000E+00	2.50212E+02	1.84265E+03	1.03017E+02	3.91694E+00	1.43279E+02	9.99999E-01
27	.00000E+00	.00000E+00	1.27624E+02	1.87868E+03	9.43180E+01	4.69806E+00	2.86084E+01	9.99999E-01
28	.00000E+00	.00000E+00	1.07510E+02	1.51800E+03	1.08373E+02	3.84083E+00	-4.70386E+00	1.00000E+00
29	.00000E+00	.00000E+00	1.12164E+02	7.95072E+02	1.87440E+02	3.23717E+00	-7.85128E+01	9.99999E-01
30	.00000E+00	.00000E+00	1.89792E+02	2.56809E+03	3.02821E+02	2.61145E+00	-1.15641E+02	1.00000E+00
31	.00000E+00	.00000E+00	3.02249E+02	8.80082E+01	6.91781E+01	4.48625E-01	2.32622E+02	1.00000E+00
32	.00000E+00	.00000E+00	7.04135E+01	1.10618E+02	6.33380E+01	1.15341E+00	5.92224E+00	9.99999E-01
33	.00000E+00	.00000E+00	6.73316E+01	1.29653E+03	3.34250E+02	2.10971E+00	-2.69029E+02	1.00000E+00
34	.00000E+00	.00000E+00	3.40481E+02	1.76280E+03	1.31912E+02	5.05856E+00	2.03511E+02	9.99999E-01
35	.00000E+00	.00000E+00	1.33506E+02	2.21207E+03	1.21170E+02	3.98519E+00	8.35156E+00	1.00000E+00
36	.00000E+00	.00000E+00	1.21589E+02	4.30499E+03	1.76726E+02	1.69289E+01	-7.20652E+01	9.99996E-01
37	.00000E+00	.00000E+00	1.76882E+02	6.39034E+03	2.06149E+02	8.58716E+01	-1.15141E+02	1.00000E+00
38	.00000E+00	.00000E+00	2.06127E+02	7.52806E+03	2.14963E+02	6.83901E+01	-7.72275E+01	1.00000E+00
39	.00000E+00	.00000E+00	2.14760E+02	4.19099E+03	2.09622E+02	4.98174E+01	-4.46799E+01	1.00000E+00
40	.00000E+00	.00000E+00	2.09512E+02	5.77860E+03	2.11050E+02	1.61294E+02	-1.62833E+02	1.00000E+00
41	.00000E+00	.00000E+00	2.10896E+02	7.08274E+03	2.08340E+02	6.88381E+01	-6.62832E+01	1.00000E+00
42	.00000E+00	.00000E+00	2.08434E+02	3.93082E+03	1.96678E+02	5.71264E+01	-4.53699E+01	1.00000E+00
43	.00000E+00	.00000E+00	1.96649E+02	4.90055E+03	1.78431E+02	1.09340E+02	-9.11211E+01	9.99998E-01
44	.00000E+00	.00000E+00	1.78331E+02	3.13952E+03	1.42341E+02	1.08758E+02	-7.27690E+01	1.00000E+00
45	.00000E+00	.00000E+00	1.42456E+02	2.52305E+03	1.33480E+02	1.27970E+02	-1.18994E+02	1.00000E+00
46	.00000E+00	.00000E+00	1.33468E+02	3.04590E+03	5.51548E+01	2.54206E+02	-1.75892E+02	9.99999E-01
47	.00000E+00	.00000E+00	5.50959E+01	9.75320E+02	3.99170E-02	1.83401E+02	-1.28345E+02	1.00000E+00
48	.00000E+00	.00000E+00	3.06373E-01	7.12026E-02	3.99402E+00	.00000E+00	-3.68764E+00	9.99992E-01
49	.00000E+00	.00000E+00	2.10778E+02	1.48931E+00	5.36188E+01	.00000E+00	1.57160E+02	1.00000E+00
50	.00000E+00	.00000E+00	5.01826E+02	5.10188E+00	2.00166E+02	.00000E+00	3.01660E+02	1.00000E+00
51	.00000E+00	.00000E+00	1.45922E+02	1.84466E+00	8.94423E+01	.00000E+00	5.64801E+01	1.00000E+00
52	.00000E+00	.00000E+00	1.77875E+02	3.96724E+00	1.01906E+02	.00000E+00	7.59694E+01	1.00000E+00
53	.00000E+00	.00000E+00	2.40937E+02	1.62164E+01	2.83598E+02	.00000E+00	-4.26630E+01	1.00000E+00
54	.00000E+00	.00000E+00	4.23137E+02	3.07525E+01	3.41191E+02	.00000E+00	8.19454E+01	1.00000E+00

55	.00000E+00	.00000E+00	7.32031E+02	1.01393E+03	7.76762E+03	.00000E+00	-7.03564E+03	1.00003E+00
56	.00000E+00	.00000E+00	1.88475E+03	1.46590E+04	1.07576E+05	.00000E+00	-1.05691E+05	9.99853E-01
57	.00000E+00	.00000E+00	3.30353E+04	8.17136E+04	3.80386E+05	.00000E+00	-3.47347E+05	9.99947E-01
58	.00000E+00	.00000E+00	9.24499E+04	2.98322E+04	2.02527E+05	.00000E+00	-1.10077E+05	1.00000E+00
59	.00000E+00	.00000E+00	7.52836E+04	1.13339E+04	1.11042E+05	.00000E+00	-3.57584E+04	9.99999E-01
60	.00000E+00	.00000E+00	9.51894E+04	1.37379E+04	1.07449E+05	.00000E+00	-1.22597E+04	9.99999E-01
61	.00000E+00	.00000E+00	2.51099E+05	9.21128E+04	2.42621E+05	.00000E+00	8.47769E+03	9.99999E-01
62	.00000E+00	.00000E+00	5.38068E+05	1.49688E+05	1.81845E+05	.00000E+00	3.56223E+05	1.00000E+00
63	.00000E+00	.00000E+00	2.13888E+05	7.15020E+04	8.80820E+04	.00000E+00	1.25806E+05	1.00000E+00
64	.00000E+00	.00000E+00	2.57198E+04	6.77112E+03	1.88239E+04	.00000E+00	6.89588E+03	1.00000E+00
65	.00000E+00	.00000E+00	1.12284E+03	1.69313E+02	1.10478E+03	.00000E+00	1.80577E+01	1.00000E+00
66	.00000E+00	.00000E+00	1.09033E+02	4.16259E+00	1.07204E+02	.00000E+00	1.82900E+00	1.00000E+00
67	.00000E+00	.00000E+00	8.68813E+01	1.46489E+00	8.64793E+01	.00000E+00	4.01932E-01	1.00000E+00
68	.00000E+00	.00000E+00	1.33812E+06	5.53654E+05	1.45825E+06	1.40027E+03	-1.21518E+05	9.99998E-01
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	1.73947E-02	1.44921E-02	1.44950E-02	1.32132E+01	1.42614E+01	.00000E+00	8.29294E+00	8.29294E+00
3	1.35778E-01	1.12143E-01	1.12138E-01	1.02221E+02	1.10378E+02	.00000E+00	6.48080E+01	6.48080E+01
4	1.98361E-01	1.62938E-01	1.62822E-01	1.48423E+02	1.59961E+02	.00000E+00	9.45719E+01	9.45719E+01
5	4.35300E-01	3.54495E-01	3.54191E-01	3.22868E+02	3.48989E+02	.00000E+00	2.07529E+02	2.07529E+02
6	2.21607E+00	1.80876E+00	1.80768E+00	1.64781E+03	1.78636E+03	.00000E+00	1.05725E+03	1.05725E+03
7	4.06166E+00	3.18948E+00	3.18397E+00	2.90240E+03	3.13973E+03	.00000E+00	1.94869E+03	1.94869E+03
8	5.77428E+00	4.15773E+00	4.13396E+00	3.76837E+03	4.04219E+03	.00000E+00	2.81781E+03	2.81781E+03
9	3.51214E+00	2.39457E+00	2.37361E+00	2.16370E+03	2.28785E+03	.00000E+00	1.73449E+03	1.73449E+03
10	2.41257E+00	1.66277E+00	1.65064E+00	1.50467E+03	1.57155E+03	.00000E+00	1.19285E+03	1.19285E+03
11	3.23921E+00	2.24008E+00	2.22718E+00	2.03022E+03	2.12906E+03	.00000E+00	1.60804E+03	1.60804E+03
12	1.52893E+00	1.05743E+00	1.05037E+00	9.57477E+02	9.98130E+02	.00000E+00	7.58391E+02	7.58391E+02
13	3.51164E-01	2.45129E-01	2.43713E-01	2.22160E+02	2.28840E+02	.00000E+00	1.71450E+02	1.71450E+02
14	2.13979E+00	1.48043E+00	1.47197E+00	1.34180E+03	1.40035E+03	.00000E+00	1.05810E+03	1.05810E+03
15	6.27407E+00	4.26010E+00	4.22911E+00	3.85511E+03	3.97097E+03	.00000E+00	3.11046E+03	3.11046E+03
16	6.35458E+00	4.26040E+00	4.22672E+00	3.85293E+03	3.92492E+03	.00000E+00	3.14601E+03	3.14601E+03
17	9.20696E+00	6.07052E+00	6.00949E+00	5.47804E+03	5.52187E+03	.00000E+00	4.57285E+03	4.57285E+03
18	1.50615E+01	9.66764E+00	9.55155E+00	8.70686E+03	8.52902E+03	.00000E+00	7.48085E+03	7.48085E+03
19	8.48995E+00	5.31330E+00	5.21317E+00	4.75214E+03	4.70293E+03	.00000E+00	4.19272E+03	4.19272E+03
20	4.52619E+00	2.77305E+00	2.72909E+00	2.48774E+03	2.44621E+03	.00000E+00	2.31564E+03	2.31564E+03
21	9.01035E+00	5.57957E+00	5.51515E+00	5.02742E+03	4.78997E+03	.00000E+00	4.51632E+03	4.51632E+03
22	8.75633E+00	5.36914E+00	5.30025E+00	4.83152E+03	4.72488E+03	.00000E+00	4.38025E+03	4.38025E+03
23	1.06119E+01	6.30730E+00	6.20292E+00	5.65436E+03	5.50145E+03	.00000E+00	5.54720E+03	5.54720E+03
24	6.61189E+00	3.80657E+00	3.70519E+00	3.37752E+03	3.22481E+03	.00000E+00	3.39404E+03	3.39404E+03
25	1.21588E+01	7.00025E+00	6.83077E+00	6.22668E+03	6.20456E+03	.00000E+00	6.41727E+03	6.41727E+03
26	9.27684E+00	5.21780E+00	5.08037E+00	4.63108E+03	4.48780E+03	.00000E+00	5.04245E+03	5.04245E+03
27	7.06481E+00	3.93721E+00	3.81342E+00	3.47618E+03	3.44757E+03	.00000E+00	3.99003E+03	3.99003E+03
28	6.25980E+00	3.48119E+00	3.36656E+00	3.06884E+03	3.07355E+03	.00000E+00	3.49722E+03	3.49722E+03
29	2.68876E+00	1.49699E+00	1.43576E+00	1.30879E+03	1.38730E+03	.00000E+00	1.58613E+03	1.58613E+03
30	1.49570E+00	8.14590E-01	7.70365E-01	7.02237E+02	8.17878E+02	.00000E+00	1.31808E+03	1.31808E+03
31	1.23887E+00	6.18917E-01	6.03402E-01	5.50040E+02	3.17417E+02	.00000E+00	6.46694E+02	6.46694E+02
32	1.15011E+00	6.35635E-01	6.16042E-01	5.61562E+02	5.55640E+02	.00000E+00	6.01282E+02	6.01282E+02
33	3.29822E+00	1.85386E+00	1.76422E+00	1.60820E+03	1.87723E+03	.00000E+00	2.07400E+03	2.07400E+03
34	8.03708E+00	4.32267E+00	4.12627E+00	3.76136E+03	3.55785E+03	.00000E+00	4.41507E+03	4.41507E+03
35	7.46946E+00	4.02341E+00	3.80637E+00	3.46975E+03	3.46140E+03	.00000E+00	4.26591E+03	4.26591E+03
36	6.33576E+00	3.41268E+00	3.22032E+00	2.93553E+03	3.00759E+03	.00000E+00	4.24122E+03	4.24122E+03
37	1.14999E+01	6.18419E+00	5.82607E+00	5.31084E+03	5.42598E+03	.00000E+00	7.36393E+03	7.36393E+03
38	6.07547E+00	3.23984E+00	3.04057E+00	2.77167E+03	2.84890E+03	.00000E+00	4.70895E+03	4.70895E+03
39	7.04332E+00	3.78743E+00	3.57396E+00	3.25790E+03	3.30258E+03	.00000E+00	4.59205E+03	4.59205E+03
40	9.20667E+00	4.95386E+00	4.66028E+00	4.24815E+03	4.41098E+03	.00000E+00	6.08867E+03	6.08867E+03
41	1.14947E+01	6.15604E+00	5.79097E+00	5.27884E+03	5.34513E+03	.00000E+00	7.50341E+03	7.50341E+03
42	6.46872E+00	3.46040E+00	3.25134E+00	2.96381E+03	3.00918E+03	.00000E+00	4.23261E+03	4.23261E+03
43	7.92201E+00	4.24410E+00	3.98938E+00	3.63658E+03	3.72770E+03	.00000E+00	5.20213E+03	5.20213E+03
44	5.09430E+00	2.72270E+00	2.55345E+00	2.32763E+03	2.40040E+03	.00000E+00	3.35958E+03	3.35958E+03
45	4.07280E+00	2.18590E+00	2.04919E+00	1.86796E+03	1.98696E+03	.00000E+00	2.71841E+03	2.71841E+03

46	4.68238E+00	2.49911E+00	2.32959E+00	2.12357E+03	2.29946E+03	.00000E+00	3.17049E+03	3.17049E+03
47	1.38272E+00	7.44658E-01	6.88643E-01	6.27743E+02	7.56087E+02	.00000E+00	9.90773E+02	9.90773E+02
48	3.42369E-02	2.33927E-02	2.31378E-02	2.10916E+01	2.47793E+01	.00000E+00	1.71329E+01	1.71329E+01
49	4.94630E-01	2.84849E-01	2.84742E-01	2.59561E+02	1.02401E+02	.00000E+00	2.33439E+02	2.33439E+02
50	1.81758E+00	1.23630E+00	1.23608E+00	1.12676E+03	8.25103E+02	.00000E+00	8.69335E+02	8.69335E+02
51	7.91130E-01	5.83140E-01	5.82433E-01	5.30925E+02	4.74445E+02	.00000E+00	3.80833E+02	3.80833E+02
52	9.04303E-01	6.73383E-01	6.71241E-01	6.11879E+02	5.35910E+02	.00000E+00	4.32532E+02	4.32532E+02
53	2.40290E+00	1.77021E+00	1.76957E+00	1.61308E+03	1.65574E+03	.00000E+00	1.18033E+03	1.18033E+03
54	2.84001E+00	2.17578E+00	2.17533E+00	1.98295E+03	1.90101E+03	.00000E+00	1.36946E+03	1.36946E+03
55	5.53349E+01	4.15068E+01	4.15070E+01	3.78363E+04	4.48720E+04	.00000E+00	2.80458E+04	2.80458E+04
56	6.80345E+02	6.27262E+02	6.27331E+02	5.71853E+05	6.77544E+05	.00000E+00	3.39349E+05	3.39349E+05
57	2.15332E+03	1.92287E+03	1.92324E+03	1.75316E+06	2.10050E+06	.00000E+00	1.07793E+06	1.07793E+06
58	9.47587E+02	7.67876E+02	7.68063E+02	7.00139E+05	8.10216E+05	.00000E+00	4.62535E+05	4.62535E+05
59	4.68433E+02	3.44084E+02	3.44114E+02	3.13682E+05	3.49440E+05	.00000E+00	2.22207E+05	2.22207E+05
60	4.49658E+02	2.96637E+02	2.96528E+02	2.70305E+05	2.82564E+05	.00000E+00	2.06170E+05	2.06170E+05
61	1.03630E+03	6.00370E+02	5.99190E+02	5.46200E+05	5.37723E+05	.00000E+00	4.94504E+05	4.94504E+05
62	6.25090E+02	2.28790E+02	2.10287E+02	1.91690E+05	-1.64533E+05	.00000E+00	3.54047E+05	3.54047E+05
63	1.68616E+02	6.11179E+01	5.02563E+01	4.58119E+04	-7.99944E+04	.00000E+00	8.51214E+04	8.51214E+04
64	1.34610E+01	4.96144E+00	3.66081E+00	3.33707E+03	-3.55881E+03	.00000E+00	5.01677E+03	5.01677E+03
65	3.35059E-01	7.80372E-02	-2.19547E-03	-2.00132E+00	-2.00590E+01	.00000E+00	8.04548E+01	8.04548E+01
66	2.35628E-03	1.09296E-03	1.00318E-03	9.14461E-01	-9.14541E-01	.00000E+00	9.84463E-01	9.84463E-01
67	4.59408E-04	2.26750E-04	2.20810E-04	2.01283E-01	-2.00649E-01	.00000E+00	2.03327E-01	2.03327E-01
68	6.86011E+03	5.05158E+03	5.01557E+03	4.57202E+06	4.69354E+06	.00000E+00	3.42289E+06	3.42289E+06

1 SUMMARY FOR ZONE 12 BY GROUP INCLUDING SUM FOR ALL GROUPS IN LINE 68 ZONE VOLUME= 4.05316E+06

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	.00000E+00	.00000E+00	.00000E+00	4.56240E-01	5.54213E-01	1.72157E-01	-7.26366E-01	1.00000E+00
3	.00000E+00	.00000E+00	2.47696E-01	2.85788E+00	4.01945E+00	1.46220E+00	-5.23369E+00	9.99462E-01
4	.00000E+00	.00000E+00	1.67199E+00	3.52875E+00	5.74133E+00	1.73282E+00	-5.80168E+00	9.99857E-01
5	.00000E+00	.00000E+00	3.38576E+00	7.72473E+00	1.43912E+01	3.51847E+00	-1.45233E+01	9.99920E-01
6	.00000E+00	.00000E+00	9.38474E+00	4.36235E+01	6.22583E+01	1.85349E+01	-7.14066E+01	9.99899E-01
7	.00000E+00	.00000E+00	4.51807E+01	9.89651E+01	1.13084E+02	2.93698E+01	-9.72651E+01	9.99911E-01
8	.00000E+00	.00000E+00	1.09353E+02	2.04223E+02	1.28719E+02	7.93217E+01	-9.86875E+01	9.99999E-01
9	.00000E+00	.00000E+00	1.08352E+02	8.89586E+01	1.25209E+02	3.96166E+01	-5.64707E+01	9.99989E-01
10	.00000E+00	.00000E+00	7.12296E+01	2.77779E+01	9.07270E+01	1.69380E+01	-3.64390E+01	1.00002E+00
11	.00000E+00	.00000E+00	8.42427E+01	3.47587E+01	1.25551E+02	1.50835E+01	-5.63909E+01	9.99994E-01
12	.00000E+00	.00000E+00	5.19714E+01	7.03397E+00	6.62690E+01	5.74488E+00	-2.00427E+01	1.00000E+00
13	.00000E+00	.00000E+00	1.19718E+01	3.47419E-01	1.56400E+01	1.29705E+00	-4.96552E+00	1.00001E+00
14	.00000E+00	.00000E+00	6.78811E+01	1.44874E+01	9.54198E+01	1.09577E+01	-3.84976E+01	1.00001E+00
15	.00000E+00	.00000E+00	2.02759E+02	1.27176E+02	2.45137E+02	1.91933E+01	-6.15659E+01	9.99986E-01
16	.00000E+00	.00000E+00	2.38591E+02	1.50160E+02	3.37447E+02	2.26223E+01	-1.21483E+02	1.00001E+00
17	.00000E+00	.00000E+00	3.60975E+02	3.33486E+02	4.48217E+02	3.54984E+01	-1.22736E+02	9.99994E-01
18	.00000E+00	.00000E+00	4.98975E+02	7.55806E+02	5.93428E+02	1.51495E+01	-1.09610E+02	1.00001E+00
19	.00000E+00	.00000E+00	5.38272E+02	2.26689E+02	4.12973E+02	3.52524E+00	1.21771E+02	1.00000E+00
20	.00000E+00	.00000E+00	2.99563E+02	7.78106E+01	2.81343E+02	2.48207E+00	1.57390E+01	9.99998E-01
21	.00000E+00	.00000E+00	4.23877E+02	3.11724E+02	4.39485E+02	3.52385E+01	-5.08418E+01	9.99995E-01
22	.00000E+00	.00000E+00	4.40450E+02	3.51509E+02	4.40664E+02	4.93583E+00	-5.14844E+00	9.99999E-01
23	.00000E+00	.00000E+00	4.75761E+02	9.66408E+02	5.69622E+02	1.23464E+01	-1.06214E+02	1.00001E+00
24	.00000E+00	.00000E+00	5.47781E+02	3.12012E+02	4.79523E+02	5.90092E-01	6.76633E+01	1.00000E+00
25	.00000E+00	.00000E+00	5.03109E+02	1.19151E+03	4.00456E+02	7.42578E-01	1.01904E+02	1.00001E+00
26	.00000E+00	.00000E+00	4.00771E+02	1.00102E+03	3.79636E+02	4.10942E-01	2.07231E+01	1.00000E+00
27	.00000E+00	.00000E+00	3.79726E+02	8.83272E+02	3.34783E+02	2.93968E-01	4.46492E+01	1.00000E+00
28	.00000E+00	.00000E+00	3.34815E+02	8.81331E+02	3.50548E+02	2.77180E-01	-1.60051E+01	9.99993E-01
29	.00000E+00	.00000E+00	3.45647E+02	2.76360E+02	3.26339E+02	1.38816E-01	1.91692E+01	9.99999E-01
30	.00000E+00	.00000E+00	3.02628E+02	1.44426E+02	2.33337E+02	9.08387E-02	6.92015E+01	9.99998E-01
31	.00000E+00	.00000E+00	1.27866E+02	3.67357E+01	2.09107E+02	6.03536E-02	-8.12999E+01	9.99996E-01
32	.00000E+00	.00000E+00	1.90409E+02	5.36704E+01	2.17345E+02	6.72787E-02	-2.70026E+01	9.99997E-01
33	.00000E+00	.00000E+00	3.70129E+02	5.65631E+02	3.27108E+02	2.31726E-01	4.27897E+01	1.00000E+00
34	.00000E+00	.00000E+00	3.27110E+02	1.82509E+03	4.20296E+02	7.06136E-01	-9.38914E+01	1.00000E+00

35	.00000E+00	.00000E+00	4.20302E+02	1.93807E+03	4.17249E+02	1.00759E+00	2.05273E+00	9.99991E-01
36	.00000E+00	.00000E+00	4.17264E+02	1.68750E+03	4.23750E+02	1.29188E+00	-7.77710E+00	9.99999E-01
37	.00000E+00	.00000E+00	4.23764E+02	3.52081E+03	4.32411E+02	3.91499E+00	-1.25586E+01	9.99996E-01
38	.00000E+00	.00000E+00	4.32391E+02	1.74633E+03	3.88058E+02	3.42753E+00	4.09048E+01	1.00000E+00
39	.00000E+00	.00000E+00	3.88065E+02	1.99188E+03	4.41500E+02	5.67732E+00	-5.91174E+01	1.00001E+00
40	.00000E+00	.00000E+00	4.41482E+02	2.79644E+03	4.39213E+02	1.17399E+01	-9.47070E+00	1.00000E+00
41	.00000E+00	.00000E+00	4.39211E+02	3.59013E+03	4.35244E+02	2.57591E+01	-2.17871E+01	9.99995E-01
42	.00000E+00	.00000E+00	4.35259E+02	1.86416E+03	4.10671E+02	2.37662E+01	8.23242E-01	9.99998E-01
43	.00000E+00	.00000E+00	4.10722E+02	2.41763E+03	3.71556E+02	4.53550E+01	-6.19092E+00	1.00000E+00
44	.00000E+00	.00000E+00	3.71462E+02	1.50857E+03	3.03243E+02	4.53224E+01	2.28936E+01	1.00000E+00
45	.00000E+00	.00000E+00	3.03152E+02	1.20929E+03	2.42022E+02	5.27535E+01	8.37512E+00	1.00000E+00
46	.00000E+00	.00000E+00	2.42040E+02	1.61471E+03	8.66522E+01	1.04977E+02	5.04102E+01	1.00000E+00
47	.00000E+00	.00000E+00	8.66820E+01	5.25894E+02	5.27344E-02	7.31017E+01	1.35278E+01	9.99999E-01
48	.00000E+00	.00000E+00	2.18431E+00	1.97762E-02	6.75417E-01	.00000E+00	1.50889E+00	1.00000E+00
49	.00000E+00	.00000E+00	1.04621E+00	3.57438E-01	8.43552E+00	.00000E+00	-7.38849E+00	9.99607E-01
50	.00000E+00	.00000E+00	2.71162E+00	1.31962E+00	3.63549E+01	.00000E+00	-3.36426E+01	9.99874E-01
51	.00000E+00	.00000E+00	8.95973E+00	5.01043E-01	1.83675E+01	.00000E+00	-9.40759E+00	9.99992E-01
52	.00000E+00	.00000E+00	2.36967E+01	1.11717E+00	2.26443E+01	.00000E+00	1.05249E+00	1.00000E+00
53	.00000E+00	.00000E+00	1.41884E+01	4.31354E+00	6.30895E+01	.00000E+00	-4.88988E+01	9.99917E-01
54	.00000E+00	.00000E+00	2.35608E+01	8.48670E+00	8.38460E+01	.00000E+00	-6.02804E+01	9.99898E-01
55	.00000E+00	.00000E+00	8.07617E+01	2.60835E+02	1.91540E+03	.00000E+00	-1.83471E+03	1.00046E+00
56	.00000E+00	.00000E+00	4.04241E+02	4.23648E+03	3.10632E+04	.00000E+00	-3.06589E+04	9.99926E-01
57	.00000E+00	.00000E+00	9.41481E+03	2.30496E+04	1.08837E+05	.00000E+00	-9.94224E+04	9.99997E-01
58	.00000E+00	.00000E+00	2.62225E+04	8.03847E+03	5.67092E+04	.00000E+00	-3.04858E+04	9.99982E-01
59	.00000E+00	.00000E+00	2.15487E+04	2.86946E+03	3.04100E+04	.00000E+00	-8.86063E+03	9.99984E-01
60	.00000E+00	.00000E+00	2.70651E+04	3.43046E+03	2.90332E+04	.00000E+00	-1.96813E+03	9.99999E-01
61	.00000E+00	.00000E+00	6.93751E+04	2.19154E+04	5.91041E+04	.00000E+00	1.02706E+04	1.00000E+00
62	.00000E+00	.00000E+00	1.46829E+05	3.27315E+04	3.55416E+04	.00000E+00	1.11288E+05	1.00000E+00
63	.00000E+00	.00000E+00	5.21490E+04	1.82755E+04	8.08700E+03	.00000E+00	4.40621E+04	9.99999E-01
64	.00000E+00	.00000E+00	7.92476E+03	2.95134E+03	6.26688E+02	.00000E+00	7.29808E+03	9.99999E-01
65	.00000E+00	.00000E+00	5.23706E+02	1.88326E+02	2.25283E+01	.00000E+00	5.01178E+02	1.00000E+00
66	.00000E+00	.00000E+00	6.08203E-01	4.84547E-01	4.99355E-01	.00000E+00	1.08842E-01	1.00001E+00
67	.00000E+00	.00000E+00	2.09557E-02	4.54905E-02	1.85210E-01	.00000E+00	-1.64254E-01	9.99996E-01
68	.00000E+00	.00000E+00	3.74301E+05	1.55382E+05	3.74270E+05	7.76445E+02	-7.44431E+02	9.99998E-01

0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	1.97230E-03	1.73554E-03	1.73554E-03	1.24868E+01	1.32132E+01	.00000E+00	1.46604E+04	1.46604E+04
3	1.53873E-02	1.34803E-02	1.34803E-02	9.69877E+01	1.02221E+02	.00000E+00	1.14212E+05	1.14212E+05
4	2.27565E-02	1.98229E-02	1.98229E-02	1.42621E+02	1.48423E+02	.00000E+00	1.68043E+05	1.68043E+05
5	4.92503E-02	4.28569E-02	4.28569E-02	3.08345E+02	3.22868E+02	.00000E+00	3.65231E+05	3.65231E+05
6	2.51503E-01	2.19105E-01	2.19105E-01	1.57641E+03	1.64781E+03	.00000E+00	1.86114E+06	1.86114E+06
7	4.56582E-01	3.89886E-01	3.89886E-01	2.80513E+03	2.90240E+03	.00000E+00	3.37319E+06	3.37319E+06
8	6.18318E-01	5.10051E-01	5.10051E-01	3.66969E+03	3.76837E+03	.00000E+00	4.61795E+06	4.61795E+06
9	3.61504E-01	2.92885E-01	2.92885E-01	2.10723E+03	2.16370E+03	.00000E+00	2.72964E+06	2.72964E+06
10	2.49696E-01	2.04069E-01	2.04069E-01	1.46823E+03	1.50467E+03	.00000E+00	1.87343E+06	1.87343E+06
11	3.35368E-01	2.74343E-01	2.74343E-01	1.97383E+03	2.03022E+03	.00000E+00	2.51137E+06	2.51137E+06
12	1.59418E-01	1.30294E-01	1.30294E-01	9.37434E+02	9.57477E+02	.00000E+00	1.19156E+06	1.19156E+06
13	3.67526E-02	3.01879E-02	3.01879E-02	2.17194E+02	2.22160E+02	.00000E+00	2.74153E+05	2.74153E+05
14	2.21351E-01	1.81146E-01	1.81146E-01	1.30330E+03	1.34180E+03	.00000E+00	1.65752E+06	1.65752E+06
15	6.53753E-01	5.27265E-01	5.27265E-01	3.79354E+03	3.85511E+03	.00000E+00	4.88069E+06	4.88069E+06
16	6.45682E-01	5.18635E-01	5.18635E-01	3.73145E+03	3.85293E+03	.00000E+00	4.88118E+06	4.88118E+06
17	9.36089E-01	7.44335E-01	7.44335E-01	5.35530E+03	5.47804E+03	.00000E+00	7.08532E+06	7.08532E+06
18	1.52023E+00	1.19493E+00	1.19493E+00	8.59725E+03	8.70686E+03	.00000E+00	1.15152E+07	1.15152E+07
19	8.74513E-01	6.77426E-01	6.77426E-01	4.87391E+03	4.75214E+03	.00000E+00	6.61443E+06	6.61443E+06
20	4.51135E-01	3.47959E-01	3.47959E-01	2.50348E+03	2.48774E+03	.00000E+00	3.41903E+06	3.41903E+06
21	8.93765E-01	6.91696E-01	6.91696E-01	4.97658E+03	5.02742E+03	.00000E+00	6.77414E+06	6.77414E+06
22	8.72617E-01	6.70819E-01	6.70819E-01	4.82638E+03	4.83152E+03	.00000E+00	6.60652E+06	6.60652E+06
23	1.01895E+00	7.71138E-01	7.71138E-01	5.54815E+03	5.65436E+03	.00000E+00	7.89417E+06	7.89417E+06
24	6.40126E-01	4.78847E-01	4.78847E-01	3.44519E+03	3.37752E+03	.00000E+00	4.99641E+06	4.99641E+06
25	1.18059E+00	8.79612E-01	8.79612E-01	6.32859E+03	6.22668E+03	.00000E+00	9.18669E+06	9.18669E+06

26	8.73171E-01	6.46556E-01	6.46556E-01	4.65181E+03	4.63108E+03	.00000E+00	6.89572E+06	6.89572E+06
27	6.65362E-01	4.89360E-01	4.89360E-01	3.52083E+03	3.47618E+03	.00000E+00	5.31110E+06	5.31110E+06
28	5.76999E-01	4.24314E-01	4.24314E-01	3.05284E+03	3.06884E+03	.00000E+00	4.67558E+06	4.67558E+06
29	2.52421E-01	1.84573E-01	1.84573E-01	1.32795E+03	1.30879E+03	.00000E+00	2.06694E+06	2.06694E+06
30	1.49664E-01	1.07222E-01	1.07222E-01	7.71439E+02	7.02237E+02	.00000E+00	1.21851E+06	1.21851E+06
31	8.79607E-02	6.51503E-02	6.51503E-02	4.68740E+02	5.50040E+02	.00000E+00	7.69142E+05	7.69142E+05
32	1.00773E-01	7.42985E-02	7.42985E-02	5.34559E+02	5.61562E+02	.00000E+00	8.33924E+05	8.33924E+05
33	3.15474E-01	2.29472E-01	2.29472E-01	1.65099E+03	1.60820E+03	.00000E+00	2.61811E+06	2.61811E+06
34	7.01239E-01	5.09742E-01	5.09742E-01	3.66747E+03	3.76136E+03	.00000E+00	5.97097E+06	5.97097E+06
35	6.68575E-01	4.82547E-01	4.82547E-01	3.47181E+03	3.46975E+03	.00000E+00	5.74003E+06	5.74003E+06
36	5.64358E-01	4.06928E-01	4.06928E-01	2.92775E+03	2.93553E+03	.00000E+00	4.88631E+06	4.88631E+06
37	1.02273E+00	7.36410E-01	7.36410E-01	5.29828E+03	5.31084E+03	.00000E+00	8.89274E+06	8.89274E+06
38	5.45210E-01	3.90921E-01	3.90921E-01	2.81258E+03	2.77167E+03	.00000E+00	4.74443E+06	4.74443E+06
39	6.16237E-01	4.44599E-01	4.44599E-01	3.19878E+03	3.25790E+03	.00000E+00	5.38441E+06	5.38441E+06
40	8.18763E-01	5.89135E-01	5.89135E-01	4.23868E+03	4.24815E+03	.00000E+00	7.14393E+06	7.14393E+06
41	1.01593E+00	7.30679E-01	7.30679E-01	5.25706E+03	5.27884E+03	.00000E+00	8.87879E+06	8.87879E+06
42	5.73521E-01	4.12055E-01	4.12055E-01	2.96463E+03	2.96381E+03	.00000E+00	5.01524E+06	5.01524E+06
43	7.02206E-01	5.04589E-01	5.04589E-01	3.63039E+03	3.63658E+03	.00000E+00	6.14719E+06	6.14719E+06
44	4.56065E-01	3.26700E-01	3.26700E-01	2.35053E+03	2.32763E+03	.00000E+00	3.99128E+06	3.99128E+06
45	3.63756E-01	2.60793E-01	2.60793E-01	1.87634E+03	1.86796E+03	.00000E+00	3.19440E+06	3.19440E+06
46	4.23555E-01	3.02162E-01	3.02162E-01	2.17398E+03	2.12357E+03	.00000E+00	3.73332E+06	3.73332E+06
47	1.25291E-01	8.91303E-02	8.91303E-02	6.41270E+02	6.27743E+02	.00000E+00	1.12628E+06	1.12628E+06
48	3.98515E-03	3.14125E-03	3.14125E-03	2.26005E+01	2.10916E+01	.00000E+00	2.87243E+04	2.87243E+04
49	4.54950E-02	3.50495E-02	3.50495E-02	2.52173E+02	2.59561E+02	.00000E+00	3.38134E+05	3.38134E+05
50	1.83978E-01	1.51933E-01	1.51933E-01	1.09312E+03	1.12676E+03	.00000E+00	1.36014E+06	1.36014E+06
51	8.56455E-02	7.24858E-02	7.24858E-02	5.21517E+02	5.30925E+02	.00000E+00	6.28986E+05	6.28986E+05
52	1.01100E-01	8.51915E-02	8.51915E-02	6.12932E+02	6.11879E+02	.00000E+00	7.37939E+05	7.37939E+05
53	2.57572E-01	2.17405E-01	2.17405E-01	1.56418E+03	1.61308E+03	.00000E+00	1.90213E+06	1.90213E+06
54	3.10655E-01	2.67233E-01	2.67233E-01	1.92267E+03	1.98295E+03	.00000E+00	2.28982E+06	2.28982E+06
55	5.88496E+00	5.00387E+00	5.00387E+00	3.60016E+04	3.78363E+04	.00000E+00	4.38443E+07	4.38443E+07
56	8.10033E+01	7.52207E+01	7.52207E+01	5.41194E+05	5.71853E+05	.00000E+00	6.00001E+08	6.00001E+08
57	2.51292E+02	2.29853E+02	2.29853E+02	1.65373E+06	1.75316E+06	.00000E+00	1.86618E+09	1.86618E+09
58	1.06262E+02	9.30752E+01	9.30752E+01	6.69653E+05	7.00139E+05	.00000E+00	7.85100E+08	7.85100E+08
59	5.05305E+01	4.23672E+01	4.23672E+01	3.04821E+05	3.13682E+05	.00000E+00	3.70545E+08	3.70545E+08
60	4.67623E+01	3.72962E+01	3.72962E+01	2.68337E+05	2.70305E+05	.00000E+00	3.39598E+08	3.39598E+08
61	1.03703E+02	7.73440E+01	7.73440E+01	5.56471E+05	5.46200E+05	.00000E+00	7.48440E+08	7.48440E+08
62	6.89125E+01	4.21109E+01	4.21109E+01	3.02978E+05	1.91690E+05	.00000E+00	5.06200E+08	5.06200E+08
63	1.98919E+01	1.24916E+01	1.24916E+01	8.98740E+04	4.58119E+04	.00000E+00	1.54711E+08	1.54711E+08
64	2.42292E+00	1.47818E+00	1.47818E+00	1.06351E+04	3.33707E+03	.00000E+00	1.77780E+07	1.77780E+07
65	1.20880E-01	6.93806E-02	6.93806E-02	4.99176E+02	-2.00132E+00	.00000E+00	8.68613E+05	8.68613E+05
66	2.08577E-04	1.42229E-04	1.42229E-04	1.02330E+00	9.14461E-01	.00000E+00	1.87908E+03	1.87908E+03
67	6.42103E-06	5.14664E-06	5.14664E-06	3.70288E-02	2.01283E-01	.00000E+00	1.37601E+02	1.37601E+02
68	7.61862E+02	6.35363E+02	6.35363E+02	4.57128E+06	4.57202E+06	.00000E+00	5.63440E+09	5.63440E+09

1 SUMMARY FOR SYSTEM INCLUDING SUM OVER ALL GROUPS IN LINE 68 SYSTEM VOLUME= 4.11928E+06

0 GRP.	FIX SOURCE	FISS SOURCE	IN SCATTER	SLF SCATTER	OUT SCATTER	ABSORPTION	LEAKAGE	BALANCE
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	1.00000E+00
2	9.90728E+03	.00000E+00	.00000E+00	8.84690E+03	7.69323E+03	2.20156E+03	1.24868E+01	1.00000E+00
3	8.58963E+04	.00000E+00	1.39791E+03	7.98171E+04	6.80691E+04	1.91280E+04	9.69877E+01	1.00000E+00
4	1.32601E+05	.00000E+00	1.16524E+04	1.32350E+05	1.13500E+05	3.06099E+04	1.42621E+02	1.00000E+00
5	4.20939E+05	.00000E+00	2.44557E+04	4.36652E+05	3.63591E+05	8.14961E+04	3.08345E+02	1.00000E+00
6	2.54696E+06	.00000E+00	9.35868E+04	2.97313E+06	2.18428E+06	4.54687E+05	1.57641E+03	1.00000E+00
7	5.26596E+06	.00000E+00	6.01203E+05	7.41482E+06	5.23371E+06	6.30651E+05	2.80513E+03	1.00000E+00
8	6.16495E+06	.00000E+00	2.00089E+06	1.25586E+07	7.29024E+06	8.71924E+05	3.66969E+03	1.00000E+00
9	3.19433E+06	.00000E+00	2.60834E+06	8.14921E+06	5.39005E+06	4.10514E+05	2.10723E+03	1.00000E+00
10	4.37593E+06	.00000E+00	1.98352E+06	7.20011E+06	5.90387E+06	4.54115E+05	1.46823E+03	1.00000E+00
11	4.07678E+06	.00000E+00	3.18948E+06	8.61375E+06	6.74722E+06	5.17073E+05	1.97383E+03	1.00000E+00
12	1.58325E+06	.00000E+00	2.13536E+06	3.08095E+06	3.48542E+06	2.32257E+05	9.37434E+02	1.00000E+00
13	3.08153E+05	.00000E+00	6.80048E+05	4.08416E+05	9.35216E+05	5.27684E+04	2.17194E+02	1.00000E+00
14	1.79866E+06	.00000E+00	2.53104E+06	4.02836E+06	4.04640E+06	2.81998E+05	1.30330E+03	1.00000E+00

15	4.88656E+06	.00000E+00	4.66455E+06	1.37265E+07	8.87154E+06	6.75776E+05	3.79354E+03	1.00000E+00
16	5.59008E+06	.00000E+00	5.93684E+06	1.61010E+07	1.08040E+07	7.19145E+05	3.73145E+03	1.00000E+00
17	7.04964E+06	.00000E+00	9.87531E+06	2.94551E+07	1.60696E+07	8.50025E+05	5.35530E+03	1.00000E+00
18	9.74178E+06	.00000E+00	1.58468E+07	7.44575E+07	2.48802E+07	6.99799E+05	8.59725E+03	1.00000E+00
19	5.24994E+06	.00000E+00	1.88689E+07	4.93437E+07	2.36048E+07	5.09192E+05	4.87391E+03	1.00000E+00
20	2.36923E+06	.00000E+00	2.00212E+07	3.76111E+07	2.19879E+07	4.00090E+05	2.50348E+03	1.00000E+00
21	4.08384E+06	.00000E+00	3.03244E+07	1.17885E+08	3.35071E+07	8.96121E+05	4.97658E+03	1.00000E+00
22	3.34347E+06	.00000E+00	3.61674E+07	1.38131E+08	3.86107E+07	8.95347E+05	4.82638E+03	1.00000E+00
23	3.27700E+06	.00000E+00	4.40984E+07	2.39281E+08	4.64736E+07	8.96296E+05	5.54815E+03	1.00000E+00
24	7.08736E+05	.00000E+00	4.70205E+07	1.80444E+08	4.67919E+07	9.33898E+05	3.44519E+03	1.00000E+00
25	1.12861E+06	.00000E+00	5.34358E+07	4.12663E+08	5.23493E+07	2.20872E+06	6.32859E+03	1.00000E+00
26	7.13179E+05	.00000E+00	5.35665E+07	5.13391E+08	5.17920E+07	2.48298E+06	4.65181E+03	1.00000E+00
27	1.09744E+05	.00000E+00	5.09133E+07	5.42277E+08	4.81401E+07	2.87939E+06	3.52083E+03	1.00000E+00
28	.00000E+00	.00000E+00	4.58372E+07	3.54935E+08	4.29097E+07	2.92440E+06	3.05284E+03	1.00000E+00
29	.00000E+00	.00000E+00	3.86233E+07	1.41032E+08	3.68078E+07	1.81422E+06	1.32795E+03	1.00000E+00
30	.00000E+00	.00000E+00	3.55645E+07	1.84710E+08	3.41381E+07	1.42564E+06	7.71439E+02	1.00000E+00
31	.00000E+00	.00000E+00	2.62506E+07	4.77092E+07	2.56058E+07	6.44345E+05	4.68740E+02	1.00000E+00
32	.00000E+00	.00000E+00	2.65902E+07	5.54571E+07	2.56903E+07	8.99311E+05	5.34559E+02	1.00000E+00
33	.00000E+00	.00000E+00	3.56073E+07	1.68807E+08	3.33038E+07	2.30191E+06	1.65099E+03	1.00000E+00
34	.00000E+00	.00000E+00	3.79868E+07	3.21398E+08	3.37994E+07	4.18376E+06	3.66747E+03	1.00000E+00
35	.00000E+00	.00000E+00	3.32601E+07	3.06064E+08	2.91767E+07	4.07996E+06	3.47181E+03	1.00000E+00
36	.00000E+00	.00000E+00	2.87174E+07	2.39063E+08	2.56262E+07	3.08833E+06	2.92775E+03	1.00000E+00
37	.00000E+00	.00000E+00	3.03315E+07	2.15786E+08	2.51461E+07	5.18010E+06	5.29828E+03	1.00000E+00
38	.00000E+00	.00000E+00	2.01964E+07	1.25271E+08	1.84100E+07	1.78354E+06	2.81258E+03	1.00000E+00
39	.00000E+00	.00000E+00	1.84674E+07	7.82166E+07	1.73509E+07	1.11323E+06	3.19878E+03	1.00000E+00
40	.00000E+00	.00000E+00	2.01911E+07	8.25364E+07	1.85450E+07	1.64188E+06	4.23868E+03	1.00000E+00
41	.00000E+00	.00000E+00	2.08507E+07	8.04576E+07	1.86464E+07	2.19906E+06	5.25706E+03	1.00000E+00
42	.00000E+00	.00000E+00	1.46387E+07	3.57501E+07	1.28579E+07	1.77787E+06	2.96463E+03	1.00000E+00
43	.00000E+00	.00000E+00	1.58475E+07	3.73645E+07	1.27775E+07	3.06637E+06	3.63039E+03	1.00000E+00
44	.00000E+00	.00000E+00	1.18702E+07	2.00081E+07	8.90806E+06	2.95982E+06	2.35053E+03	1.00000E+00
45	.00000E+00	.00000E+00	1.04241E+07	1.48239E+07	6.97339E+06	3.44885E+06	1.87634E+03	1.00000E+00
46	.00000E+00	.00000E+00	1.22191E+07	2.50557E+07	4.64179E+06	7.57512E+06	2.17398E+03	1.00000E+00
47	.00000E+00	.00000E+00	7.06581E+06	1.62673E+07	2.99701E+01	7.06514E+06	6.41270E+02	1.00000E+00
48	.00000E+00	.00000E+00	3.01917E+03	4.92519E+01	2.99657E+03	.00000E+00	2.26005E+01	1.00000E+00
49	2.88451E+04	.00000E+00	1.42673E+06	3.73583E+04	1.45533E+06	.00000E+00	2.52173E+02	1.00000E+00
50	9.05669E+04	.00000E+00	3.82787E+06	9.30802E+04	3.91735E+06	.00000E+00	1.09312E+03	1.00000E+00
51	2.76137E+05	.00000E+00	1.51503E+06	3.27892E+04	1.79065E+06	.00000E+00	5.21517E+02	1.00000E+00
52	4.61721E+05	.00000E+00	1.68644E+06	7.18814E+04	2.14755E+06	.00000E+00	6.12932E+02	1.00000E+00
53	1.72564E+06	.00000E+00	4.69975E+06	2.96883E+05	6.42383E+06	.00000E+00	1.56418E+03	1.00000E+00
54	4.04251E+07	.00000E+00	1.02196E+07	3.60878E+06	5.06428E+07	.00000E+00	1.92267E+03	1.00000E+00
55	3.79176E+09	.00000E+00	3.66549E+07	4.20234E+08	3.82838E+09	.00000E+00	3.60016E+04	1.00000E+00
56	9.01966E+11	.00000E+00	5.65091E+08	1.10389E+11	9.02530E+11	.00000E+00	5.41194E+05	1.00000E+00
57	1.23340E+13	.00000E+00	2.06499E+11	2.32212E+12	1.25405E+13	.00000E+00	1.65373E+06	1.00000E+00
58	8.06074E+12	.00000E+00	2.00976E+12	1.34241E+12	1.00705E+13	.00000E+00	6.69653E+05	1.00000E+00
59	6.01580E+13	.00000E+00	2.01291E+12	6.38051E+12	6.21710E+13	.00000E+00	3.04821E+05	1.00000E+00
60	6.01580E+13	.00000E+00	9.13032E+12	8.05785E+12	6.92884E+13	.00000E+00	2.68337E+05	1.00000E+00
61	1.15561E+13	.00000E+00	3.41929E+13	9.65084E+12	4.57490E+13	.00000E+00	5.56471E+05	1.00000E+00
62	4.20182E+12	.00000E+00	5.63478E+13	1.31063E+13	6.05496E+13	.00000E+00	3.02978E+05	1.00000E+00
63	1.15256E+13	.00000E+00	1.80077E+13	6.17282E+12	2.95333E+13	.00000E+00	8.98740E+04	1.00000E+00
64	1.14133E+13	.00000E+00	1.78036E+12	2.07024E+12	1.31937E+13	.00000E+00	1.06351E+04	1.00000E+00
65	2.79771E+13	.00000E+00	1.42653E+11	2.36149E+12	2.81197E+13	.00000E+00	4.99176E+02	1.00000E+00
66	1.25615E+13	.00000E+00	1.23825E+09	3.96306E+11	1.25628E+13	.00000E+00	1.02330E+00	1.00000E+00
67	1.25615E+13	.00000E+00	1.29728E+09	3.54900E+11	1.25628E+13	.00000E+00	3.70288E-02	1.00000E+00
68	2.33414E+14	.00000E+00	1.23835E+14	5.23315E+13	3.57249E+14	7.82590E+07	4.57128E+06	1.00000E+00
0 GRP.	RT BDY FLUX	RT BDY J+	RT BDY J	RT LEAKAGE	LFT LEAKAGE	FISS RATE	TOTAL FLUX	DENSITY
1	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
2	1.97230E-03	1.73554E-03	1.73554E-03	1.24868E+01	.00000E+00	5.50316E+03	3.66406E+05	3.66406E+05
3	1.53873E-02	1.34803E-02	1.34803E-02	9.69877E+01	.00000E+00	4.26523E+04	3.20586E+06	3.20586E+06
4	2.27565E-02	1.98229E-02	1.98229E-02	1.42621E+02	.00000E+00	6.63739E+04	5.24299E+06	5.24299E+06
5	4.92503E-02	4.28569E-02	4.28569E-02	3.08345E+02	.00000E+00	1.95859E+05	1.61188E+07	1.61188E+07

6	2.51503E-01	2.19105E-01	2.19105E-01	1.57641E+03	.00000E+00	9.82827E+05	1.01003E+08	1.01003E+08
7	4.56582E-01	3.89886E-01	3.89886E-01	2.80513E+03	.00000E+00	1.41313E+06	2.22138E+08	2.22138E+08
8	6.18318E-01	5.10051E-01	5.10051E-01	3.66969E+03	.00000E+00	1.81162E+06	3.13280E+08	3.13280E+08
9	3.61504E-01	2.92885E-01	2.92885E-01	2.10723E+03	.00000E+00	1.01577E+06	1.96132E+08	1.96132E+08
10	2.49696E-01	2.04069E-01	2.04069E-01	1.46823E+03	.00000E+00	1.11905E+06	2.20272E+08	2.20272E+08
11	3.35368E-01	2.74343E-01	2.74343E-01	1.97383E+03	.00000E+00	1.26841E+06	2.51874E+08	2.51874E+08
12	1.59418E-01	1.30294E-01	1.30294E-01	9.37434E+02	.00000E+00	5.67358E+05	1.13393E+08	1.13393E+08
13	3.67526E-02	3.01879E-02	3.01879E-02	2.17194E+02	.00000E+00	1.28388E+05	2.60331E+07	2.60331E+07
14	2.21351E-01	1.81146E-01	1.81146E-01	1.30330E+03	.00000E+00	6.84502E+05	1.39884E+08	1.39884E+08
15	6.53753E-01	5.27265E-01	5.27265E-01	3.79354E+03	.00000E+00	1.61942E+06	3.45770E+08	3.45770E+08
16	6.45682E-01	5.18635E-01	5.18635E-01	3.73145E+03	.00000E+00	1.66824E+06	4.02848E+08	4.02848E+08
17	9.36089E-01	7.44335E-01	7.44335E-01	5.35530E+03	.00000E+00	1.81148E+06	6.43042E+08	6.43042E+08
18	1.52023E+00	1.19493E+00	1.19493E+00	8.59725E+03	.00000E+00	8.63266E+05	1.18178E+09	1.18178E+09
19	8.74513E-01	6.77426E-01	6.77426E-01	4.87391E+03	.00000E+00	4.31368E+05	8.73563E+08	8.73563E+08
20	4.51135E-01	3.47959E-01	3.47959E-01	2.50348E+03	.00000E+00	2.89685E+05	6.86668E+08	6.86668E+08
21	8.93765E-01	6.91696E-01	6.91696E-01	4.97658E+03	.00000E+00	5.46354E+05	1.80597E+09	1.80597E+09
22	8.72617E-01	6.70819E-01	6.70819E-01	4.82638E+03	.00000E+00	5.38226E+05	1.95147E+09	1.95147E+09
23	1.01895E+00	7.71138E-01	7.71138E-01	5.54815E+03	.00000E+00	4.65220E+05	2.09319E+09	2.09319E+09
24	6.40126E-01	4.78847E-01	4.78847E-01	3.44519E+03	.00000E+00	4.17780E+05	2.22225E+09	2.22225E+09
25	1.18059E+00	8.79612E-01	8.79612E-01	6.32859E+03	.00000E+00	1.03230E+06	4.26241E+09	4.26241E+09
26	8.73171E-01	6.46556E-01	6.46556E-01	4.65181E+03	.00000E+00	9.20266E+05	4.58895E+09	4.58895E+09
27	6.65362E-01	4.89360E-01	4.89360E-01	3.52083E+03	.00000E+00	8.34131E+05	4.03249E+09	4.03249E+09
28	5.76999E-01	4.24314E-01	4.24314E-01	3.05284E+03	.00000E+00	6.61855E+05	2.81043E+09	2.81043E+09
29	2.52421E-01	1.84573E-01	1.84573E-01	1.32795E+03	.00000E+00	3.47818E+05	1.18827E+09	1.18827E+09
30	1.49664E-01	1.07222E-01	1.07222E-01	7.71439E+02	.00000E+00	2.61995E+05	8.12724E+08	8.12724E+08
31	8.79607E-02	6.51503E-02	6.51503E-02	4.68740E+02	.00000E+00	1.06644E+05	8.70309E+08	8.70309E+08
32	1.00773E-01	7.42985E-02	7.42985E-02	5.34559E+02	.00000E+00	1.33813E+05	7.68608E+08	7.68608E+08
33	3.15474E-01	2.29472E-01	2.29472E-01	1.65099E+03	.00000E+00	3.98815E+05	1.38499E+09	1.38499E+09
34	7.01239E-01	5.09742E-01	5.09742E-01	3.66747E+03	.00000E+00	6.48432E+05	2.33718E+09	2.33718E+09
35	6.68575E-01	4.82547E-01	4.82547E-01	3.47181E+03	.00000E+00	5.80550E+05	1.78434E+09	1.78434E+09
36	5.64358E-01	4.06928E-01	4.06928E-01	2.92775E+03	.00000E+00	3.76118E+05	9.27063E+08	9.27063E+08
37	1.02273E+00	7.36410E-01	7.36410E-01	5.29828E+03	.00000E+00	4.26828E+05	7.90923E+08	7.90923E+08
38	5.45210E-01	3.90921E-01	3.90921E-01	2.81258E+03	.00000E+00	1.36901E+05	3.11390E+08	3.11390E+08
39	6.16237E-01	4.44599E-01	4.44599E-01	3.19878E+03	.00000E+00	2.38024E+04	2.40194E+08	2.40194E+08
40	8.18763E-01	5.89135E-01	5.89135E-01	4.23868E+03	.00000E+00	5.28605E+04	2.60695E+08	2.60695E+08
41	1.01593E+00	7.30679E-01	7.30679E-01	5.25706E+03	.00000E+00	1.10909E+04	2.60274E+08	2.60274E+08
42	5.73521E-01	4.12055E-01	4.12055E-01	2.96463E+03	.00000E+00	2.09960E+03	1.28690E+08	1.28690E+08
43	7.02206E-01	5.04589E-01	5.04589E-01	3.63039E+03	.00000E+00	1.46810E+04	1.33297E+08	1.33297E+08
44	4.56065E-01	3.26700E-01	3.26700E-01	2.35053E+03	.00000E+00	6.69880E+02	7.28673E+07	7.28673E+07
45	3.63756E-01	2.60793E-01	2.60793E-01	1.87634E+03	.00000E+00	6.44757E+03	5.19046E+07	5.19046E+07
46	4.23555E-01	3.02162E-01	3.02162E-01	2.17398E+03	.00000E+00	1.05291E+04	5.82640E+07	5.82640E+07
47	1.25291E-01	8.91303E-02	8.91303E-02	6.41270E+02	.00000E+00	8.46347E+02	1.99909E+07	1.99909E+07
48	3.98515E-03	3.14125E-03	3.14125E-03	2.26005E+01	.00000E+00	.00000E+00	5.26751E+04	5.26751E+04
49	4.54950E-02	3.50495E-02	3.50495E-02	2.52173E+02	.00000E+00	.00000E+00	1.30765E+07	1.30765E+07
50	1.83978E-01	1.51933E-01	1.51933E-01	1.09312E+03	.00000E+00	.00000E+00	4.11462E+07	4.11462E+07
51	8.56455E-02	7.24858E-02	7.24858E-02	5.21517E+02	.00000E+00	.00000E+00	1.85961E+07	1.85961E+07
52	1.01100E-01	8.51915E-02	8.51915E-02	6.12932E+02	.00000E+00	.00000E+00	2.29941E+07	2.29941E+07
53	2.57572E-01	2.17405E-01	2.17405E-01	1.56418E+03	.00000E+00	.00000E+00	7.34231E+07	7.34231E+07
54	3.10655E-01	2.67233E-01	2.67233E-01	1.92267E+03	.00000E+00	.00000E+00	6.03515E+08	6.03515E+08
55	5.88496E+00	5.00387E+00	5.00387E+00	3.60016E+04	.00000E+00	.00000E+00	4.44676E+10	4.44676E+10
56	8.10033E+01	7.52207E+01	7.52207E+01	5.41194E+05	.00000E+00	.00000E+00	9.48208E+12	9.48208E+12
57	2.51292E+02	2.29853E+02	2.29853E+02	1.65373E+06	.00000E+00	.00000E+00	1.12222E+14	1.12222E+14
58	1.06262E+02	9.30752E+01	9.30752E+01	6.69653E+05	.00000E+00	.00000E+00	6.56666E+13	6.56666E+13
59	5.05305E+01	4.23672E+01	4.23672E+01	3.04821E+05	.00000E+00	.00000E+00	3.31570E+14	3.31570E+14
60	4.67623E+01	3.72962E+01	3.72962E+01	2.68337E+05	.00000E+00	.00000E+00	3.16025E+14	3.16025E+14
61	1.03703E+02	7.73440E+01	7.73440E+01	5.56471E+05	.00000E+00	.00000E+00	1.50011E+14	1.50011E+14
62	6.89125E+01	4.21109E+01	4.21109E+01	3.02978E+05	.00000E+00	.00000E+00	7.17919E+13	7.17919E+13
63	1.98919E+01	1.24916E+01	1.24916E+01	8.98740E+04	.00000E+00	.00000E+00	1.26980E+13	1.26980E+13
64	2.42292E+00	1.47818E+00	1.47818E+00	1.06351E+04	.00000E+00	.00000E+00	2.79572E+12	2.79572E+12
65	1.20880E-01	6.93806E-02	6.93806E-02	4.99176E+02	.00000E+00	.00000E+00	1.69057E+12	1.69057E+12

66	2.08577E-04	1.42229E-04	1.42229E-04	1.02330E+00	.00000E+00	.00000E+00	1.24425E+11	1.24425E+11
67	6.42103E-06	5.14664E-06	5.14664E-06	3.70288E-02	.00000E+00	.00000E+00	9.37999E+10	9.37999E+10
68	7.61862E+02	6.35363E+02	6.35363E+02	4.57128E+06	.00000E+00	2.49420E+07	1.07426E+15	1.07426E+15

1 EFFECTIVE ONE-GROUP PARAMETERS

INPUT TRANSVERSE BUCKLING (1/CM**2) = 3.20006E-14
OUTPUT RADIAL BUCKLING BG**2 (1/CM**2) = -3.22723E-09
RADIAL BUCKLING FOR CRITICALITY(1/CM**2) = -2.19868E-09
TOTAL BUCKLING FOR CRITICALITY (1/CM**2) = -2.19865E-09
EXTRAPOLATED RADIUS (2.405/BG) = .00000E+00
EFFECTIVE DIFFUSION COEFFICIENT (CM) = 2.25733E+01
EFFECTIVE MIGRATION AREA (CM**2) = 3.09866E+08
INFINITE MULTIPLICATION FACTOR - - - = 3.18714E-01

0 THIS PROBLEM REQUIRED 71.24 SECONDS