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***The Dose Rate Conversion Factors for
Nuclear Fallout***

Gregory D. Spriggs

**Lawrence Livermore National Laboratory
Weapons and Complex Integration
AX-Division**

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The Dose Rate Conversion Factors for Nuclear Fallout

By Gregory D. Spriggs

*Lawrence Livermore National Laboratory, AX-Division, MS L-030
7000 East Avenue, Livermore, CA 94551
Phone: 925 423-8862, spriggs1@llnl.gov*

In a previous paper,¹ the composite exposure rate conversion factor (ECF) for nuclear fallout was calculated using a simple theoretical photon-transport model. The theoretical model was used to fill in the gaps in the FGR-12 table generated by ORNL.² The FGR-12 table contains the individual conversion factors for approximate 1000 radionuclides. However, in order to calculate the exposure rate during the first 30 minutes following a nuclear detonation, the conversion factors for approximately 2000 radionuclides are needed.

From a human-effects standpoint, it is also necessary to have the dose rate conversion factors (DCF) for all 2000 radionuclides. The DCFs are used to predict the whole-body dose rates that would occur if a human were standing in a radiation field of known exposure rate. As calculated by ORNL, the whole-body dose rate (rem/hr) is approximately 70% of the exposure rate (R/hr) at one meter above the surface. Hence, the individual DCFs could be estimated by multiplying the individual ECFs by 0.7. Although this is a handy rule-of-thumb, a more consistent (and perhaps, more accurate) method of estimating the individual DCFs for the missing radionuclides in the FGR-12 table is to use the linear relationship between DCF and total gamma energy released per decay. This relationship is shown in Figure 1.

The DCFs for individual organs in the body can also be estimated from the estimated whole-body DCF. Using the DCFs given FGR-12, the ratio of the organ-specific DCFs to the whole-body DCF were plotted as a function of the whole-body DCF. From these plots, the asymptotic ratios were obtained (see Table 1). Using these asymptotic ratios, the organ-specific DCFs can be estimated using the estimated whole-body DCF for each of the missing radionuclides in the FGR-12 table. Although this procedure for estimating the organ-specific DCFs may over-estimate the value for some low gamma-energy emitters, having a finite value for the organ-specific DCFs in the table is probably better than having no value at all.

A summary of the complete ECF and DCF values are given in Table 2.

¹ Spriggs, Gregory D., *The Exposure Rate Conversion Factor for Nuclear Fallout*, Lawrence Livermore National Laboratory report, UCRL-TR-410524, Feb 11, 2009.

² Eckerman, Keith F. and Jeffrey C. Ryman, *External Exposure to Radionuclides in Air, Water, and Soil*, Federal Guidance Report No. 12, US Environmental Protection Agency Report EPA-402-R-93-081 (September 1993).

Table 1. Organ-Specific DCF.

Specific Organ	DCF (rem/hr per Ci/m2)
Adrenals	$0.85 \cdot H_{\text{subE}}$
Bld Wall	$0.95 \cdot H_{\text{subE}}$
Bsurface	$1.40 \cdot H_{\text{subE}}$
Brain	$0.91 \cdot H_{\text{subE}}$
Breasts	$1.00 \cdot H_{\text{subE}}$
Esophagus	$0.83 \cdot H_{\text{subE}}$
StWall	$0.92 \cdot H_{\text{subE}}$
SIWall	$0.90 \cdot H_{\text{subE}}$
ULIWall	$0.92 \cdot H_{\text{subE}}$
LLIWall	$0.94 \cdot H_{\text{subE}}$
Kidneys	$0.94 \cdot H_{\text{subE}}$
Liver	$0.92 \cdot H_{\text{subE}}$
Lungs	$0.96 \cdot H_{\text{subE}}$
Muscle	$1.04 \cdot H_{\text{subE}}$
Ovaries	$0.90 \cdot H_{\text{subE}}$
Pancreas	$0.85 \cdot H_{\text{subE}}$
Rmarrow	$0.98 \cdot H_{\text{subE}}$
Skin	$1.50 \cdot H_{\text{subE}}$
Spleen	$0.92 \cdot H_{\text{subE}}$
Testes	$1.05 \cdot H_{\text{subE}}$
Thymus	$0.91 \cdot H_{\text{subE}}$
Thyroid	$0.99 \cdot H_{\text{subE}}$
Uterus	$0.89 \cdot H_{\text{subE}}$

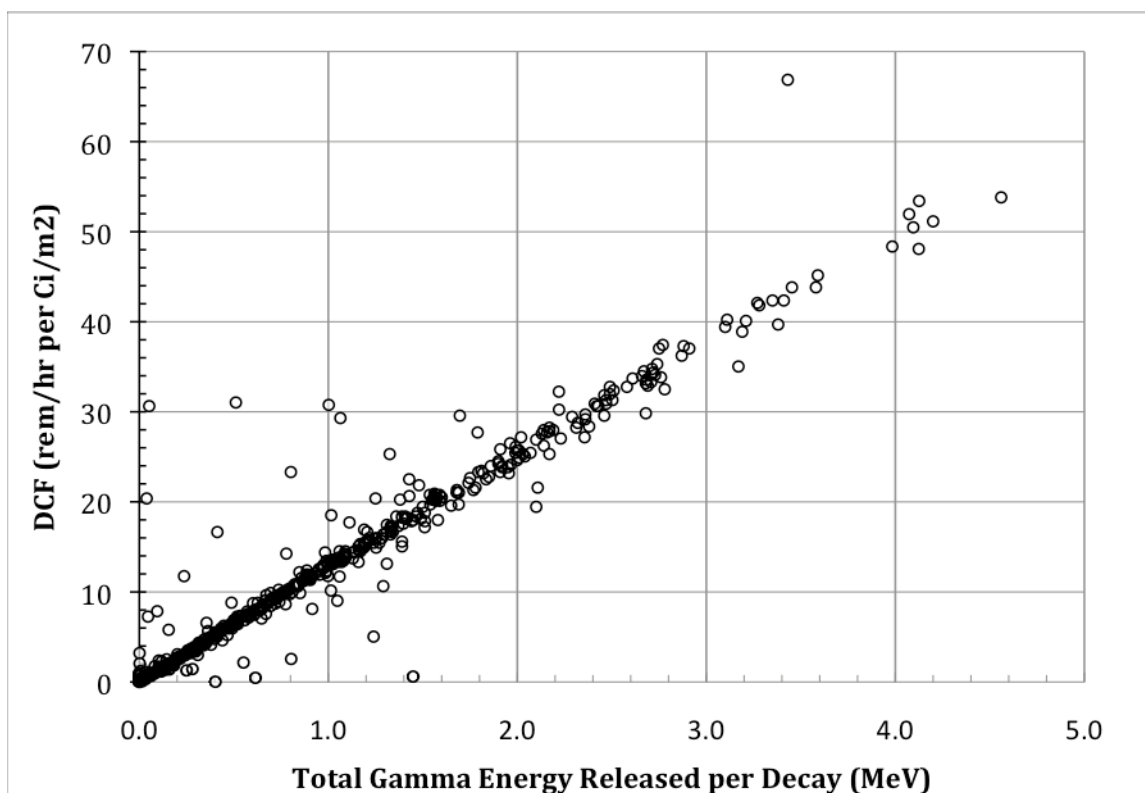
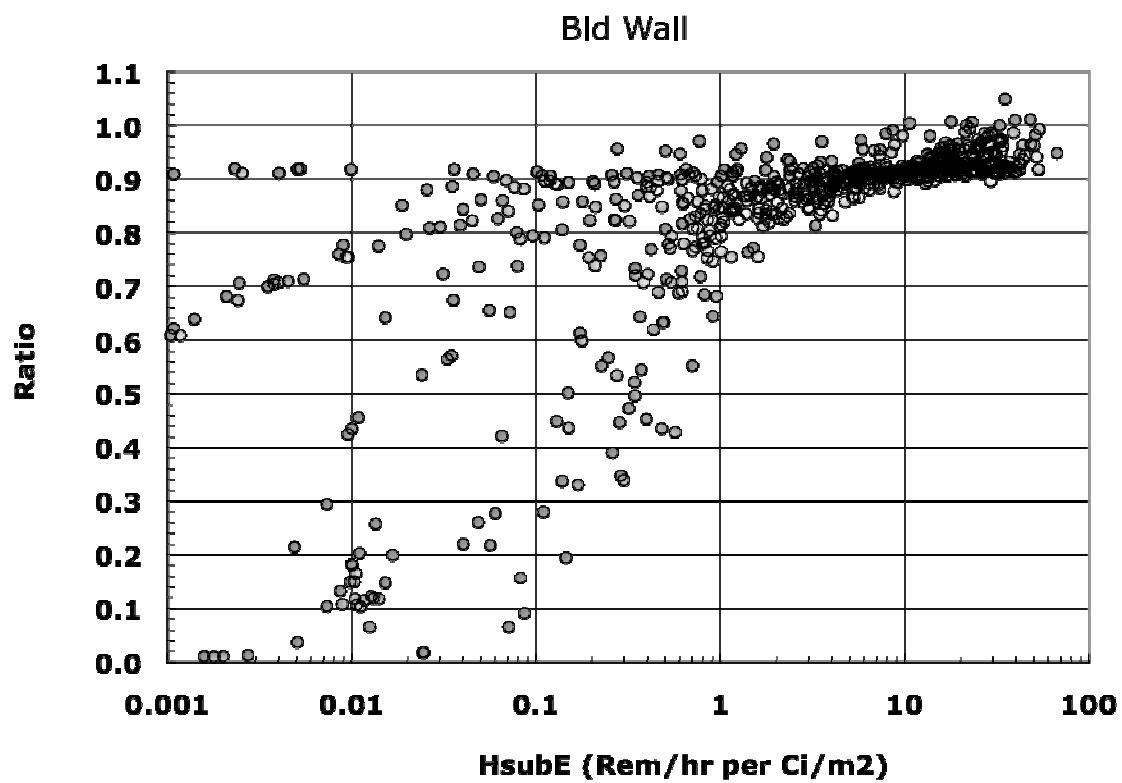
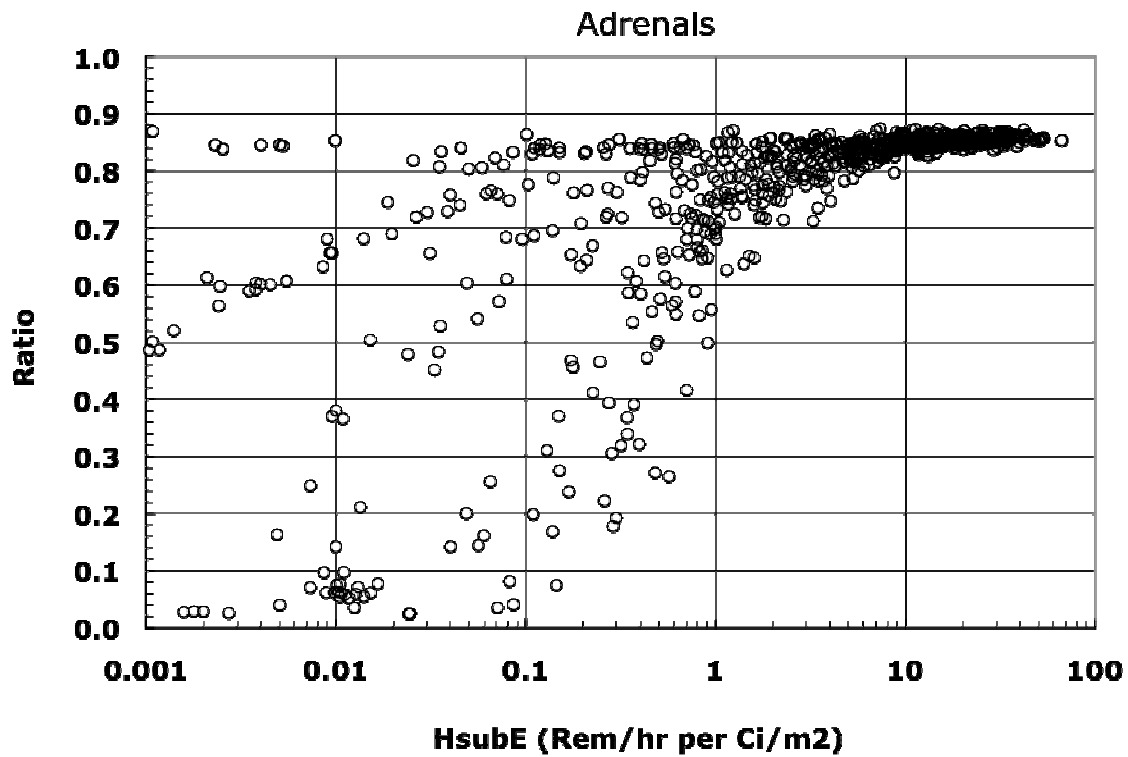
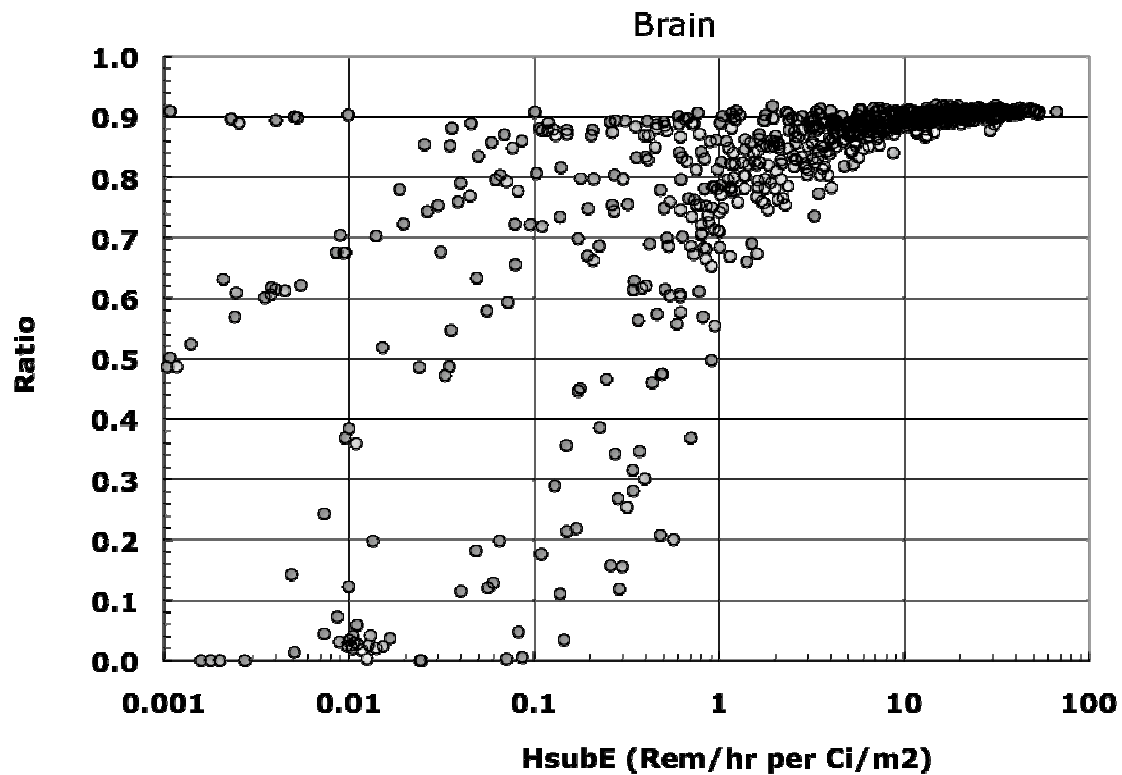
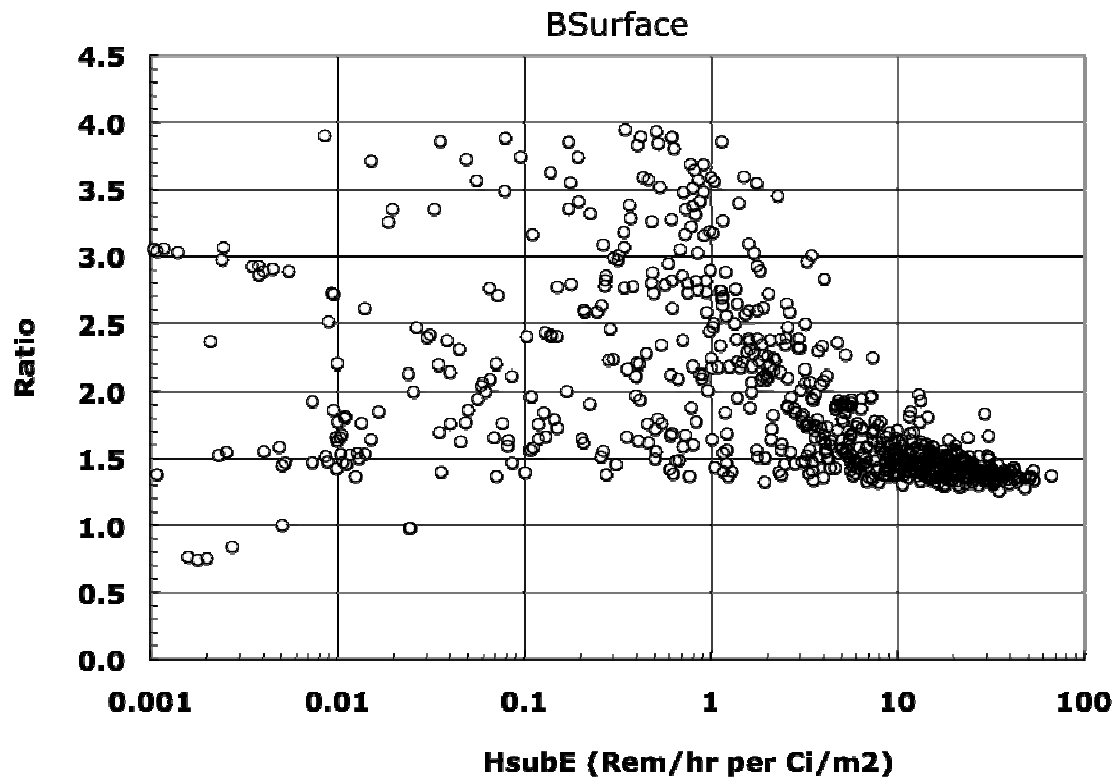
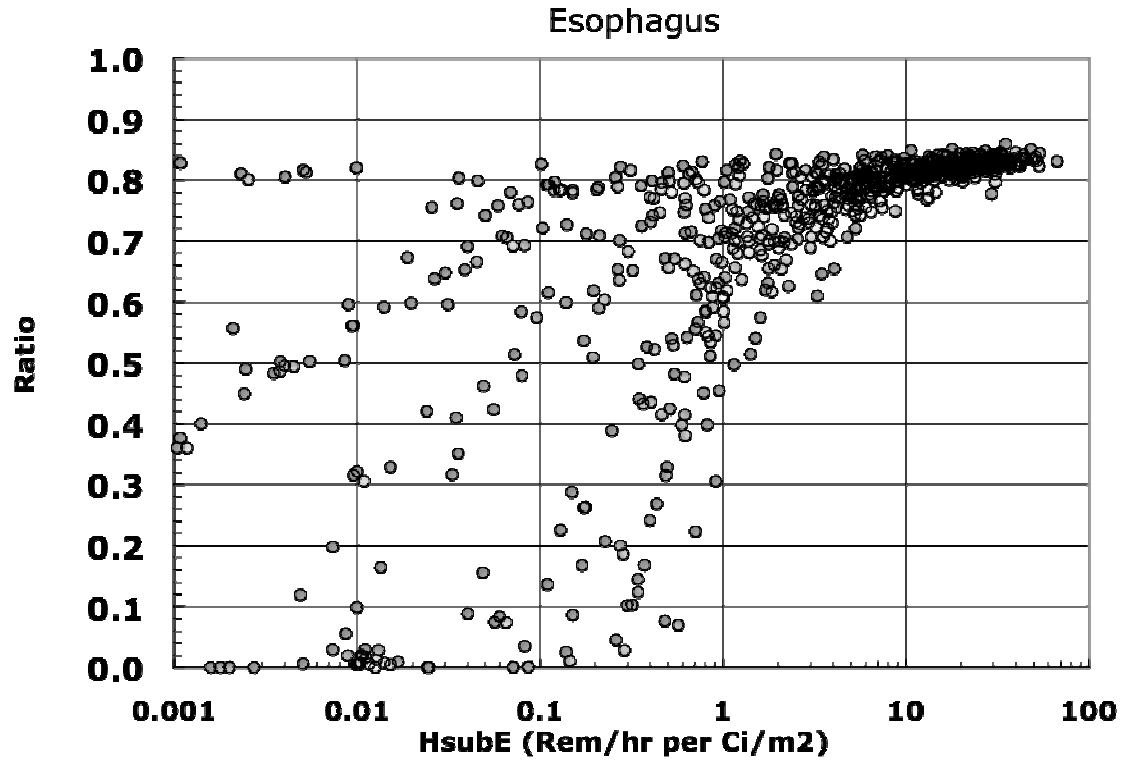
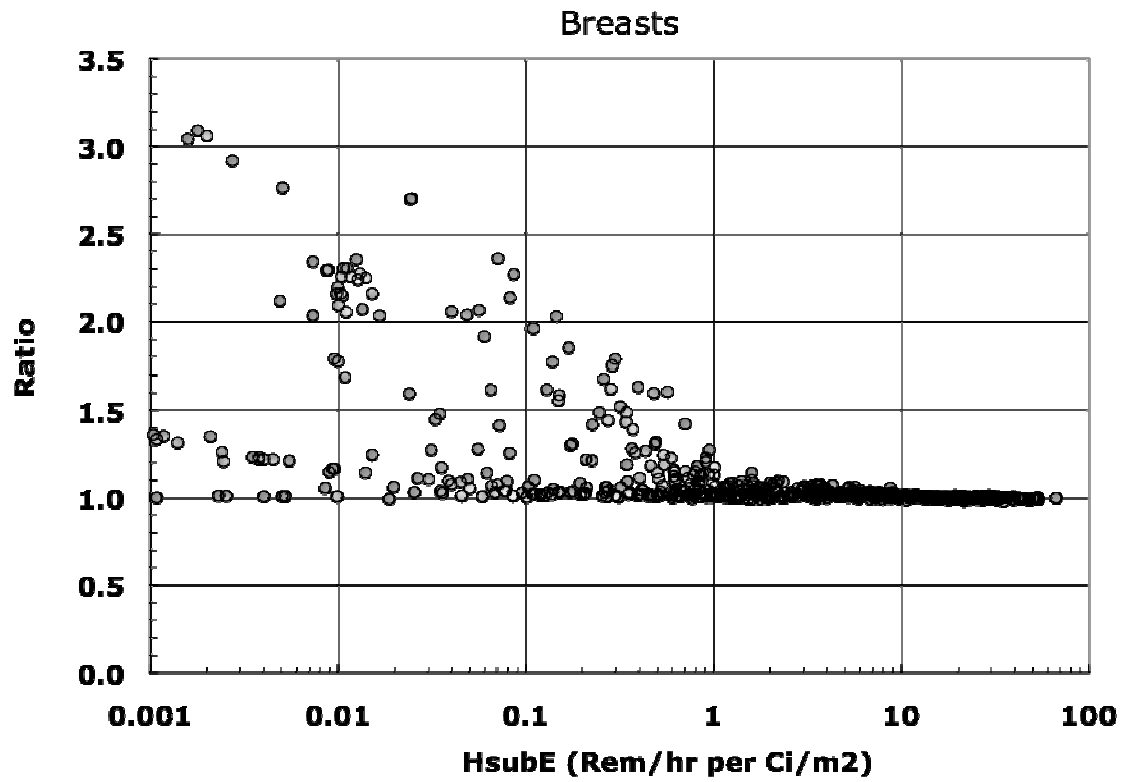
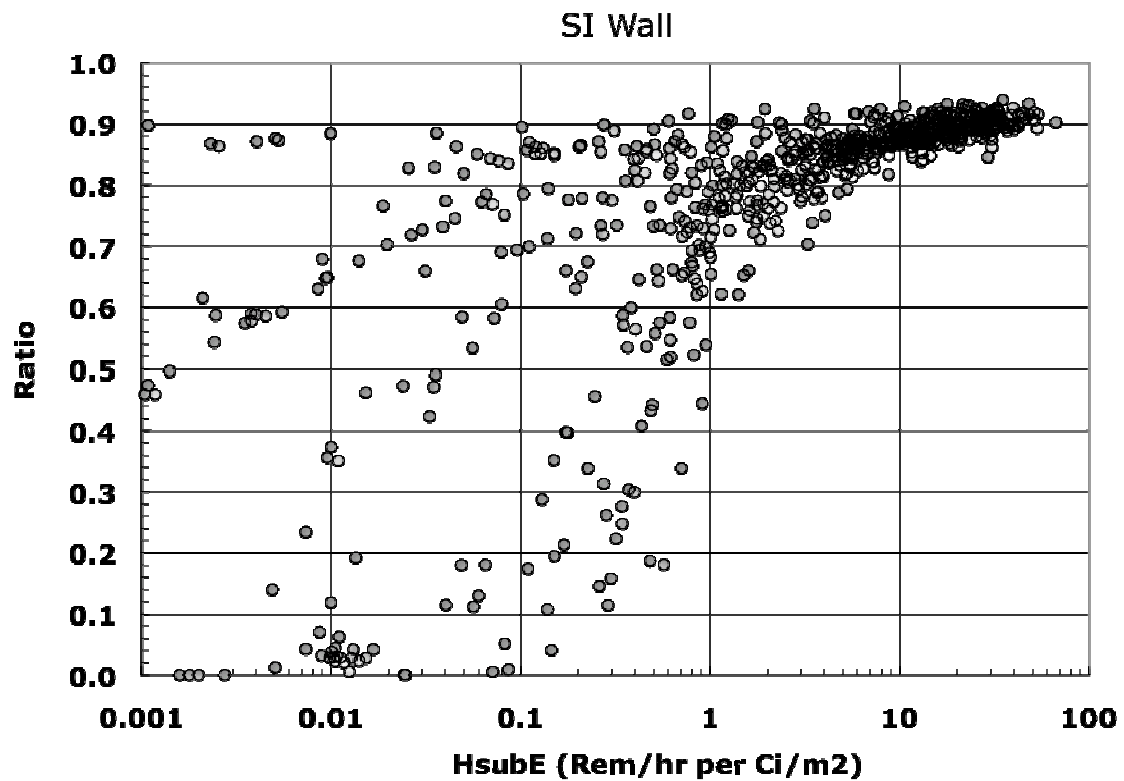
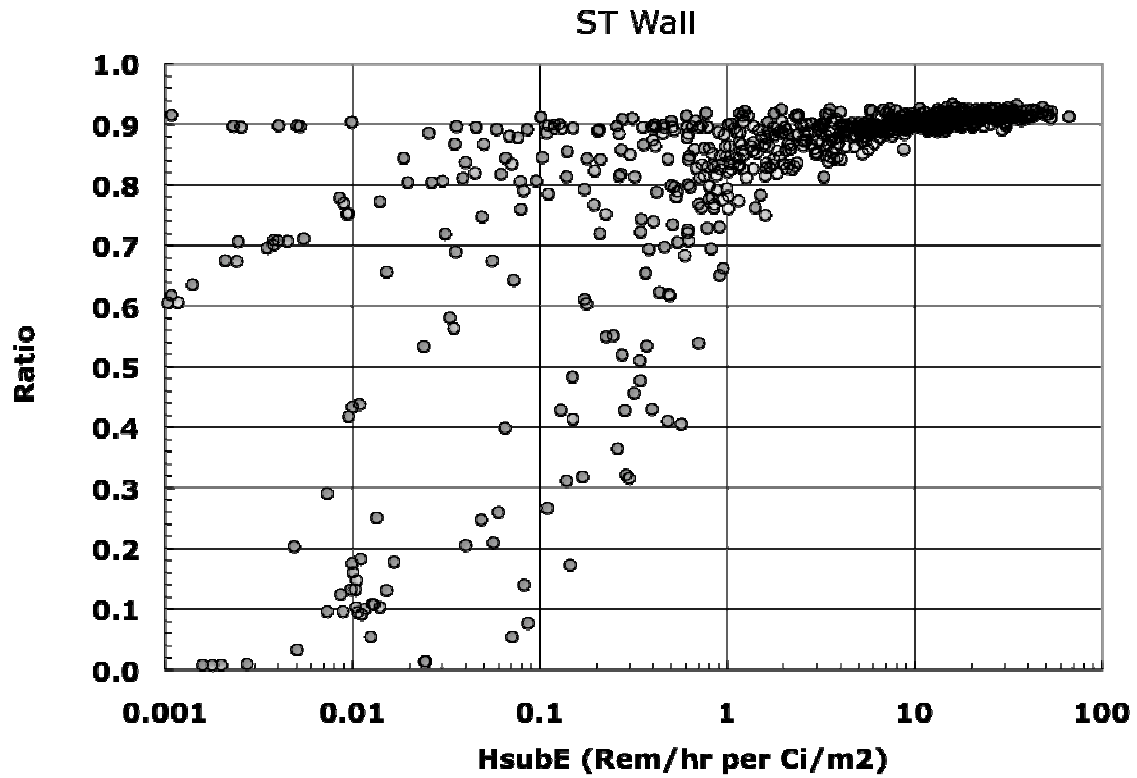


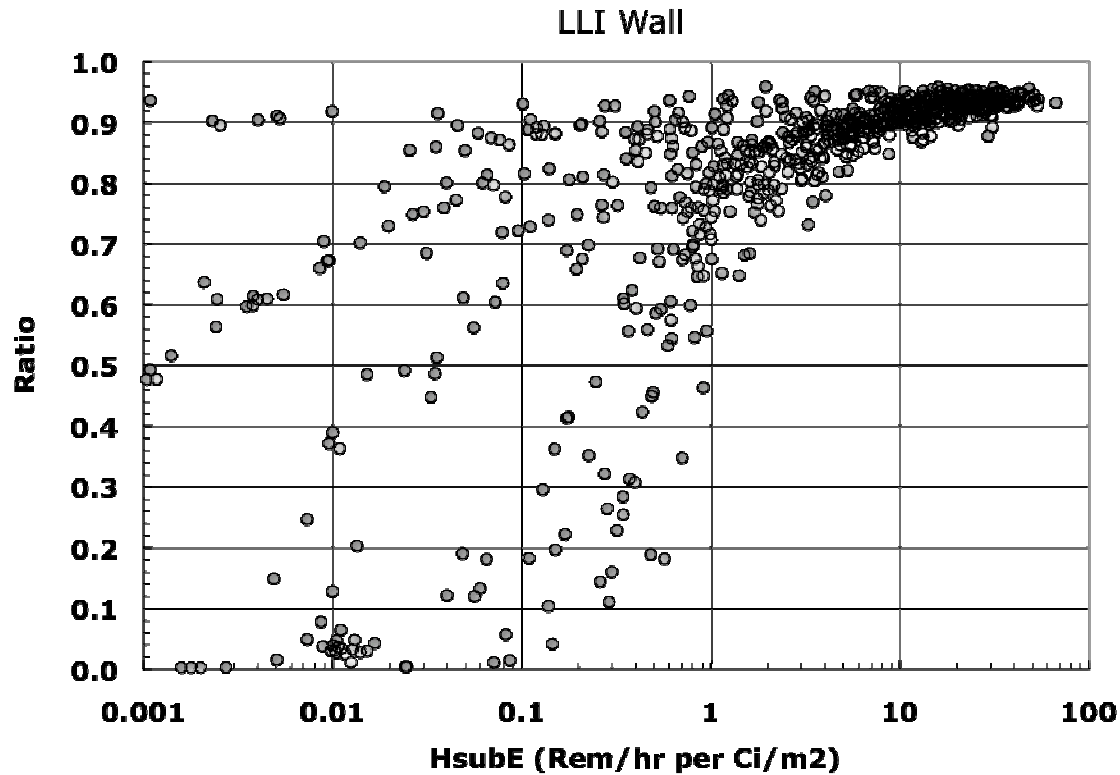
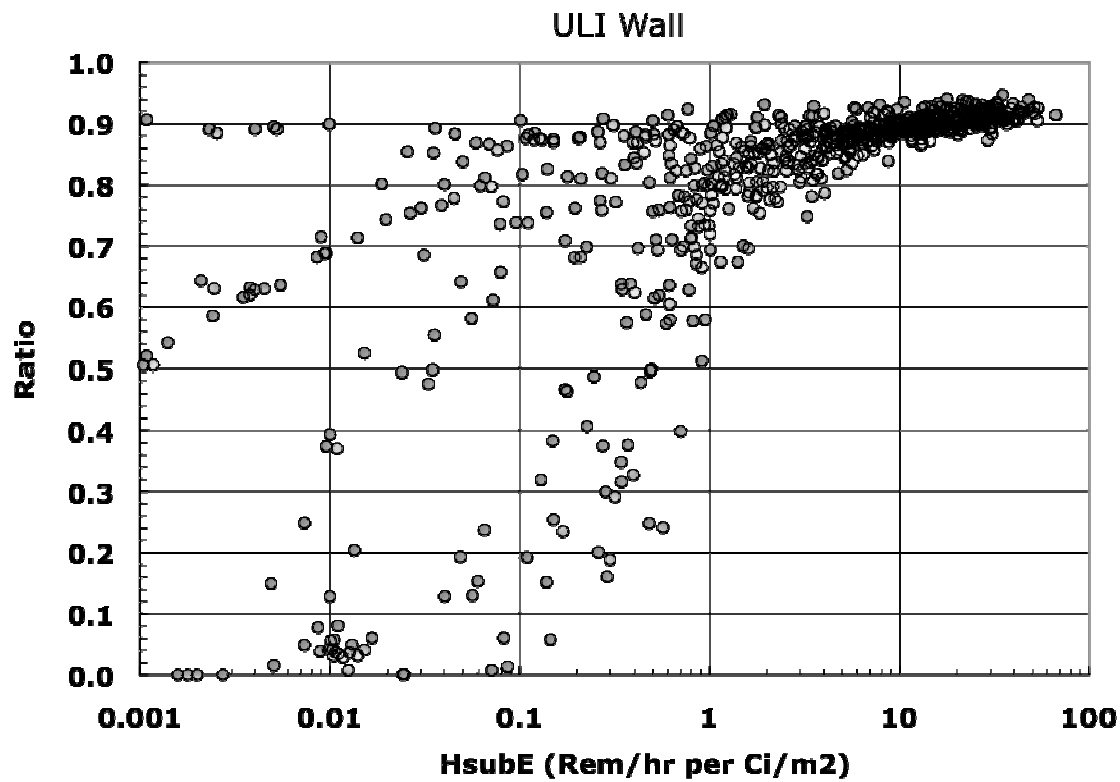
Figure 1. Whole Body Dose Rate Conversion Factors from FGR-12 vs Total Gamma Energy Released per Decay.

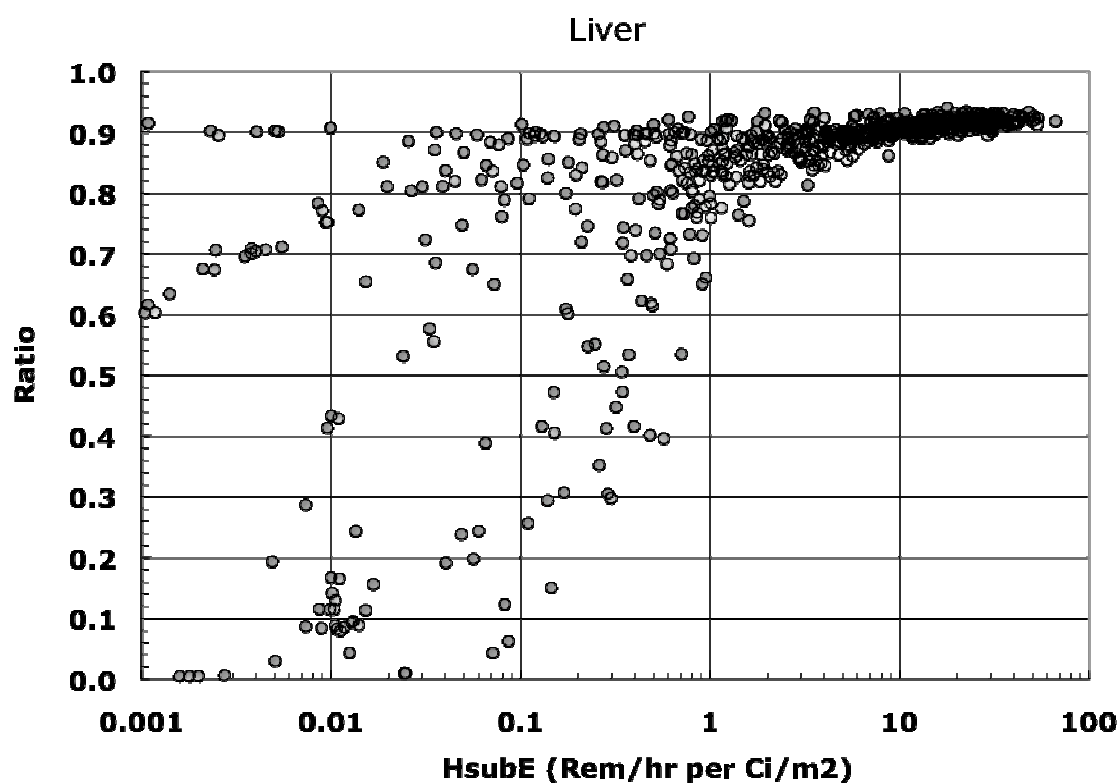
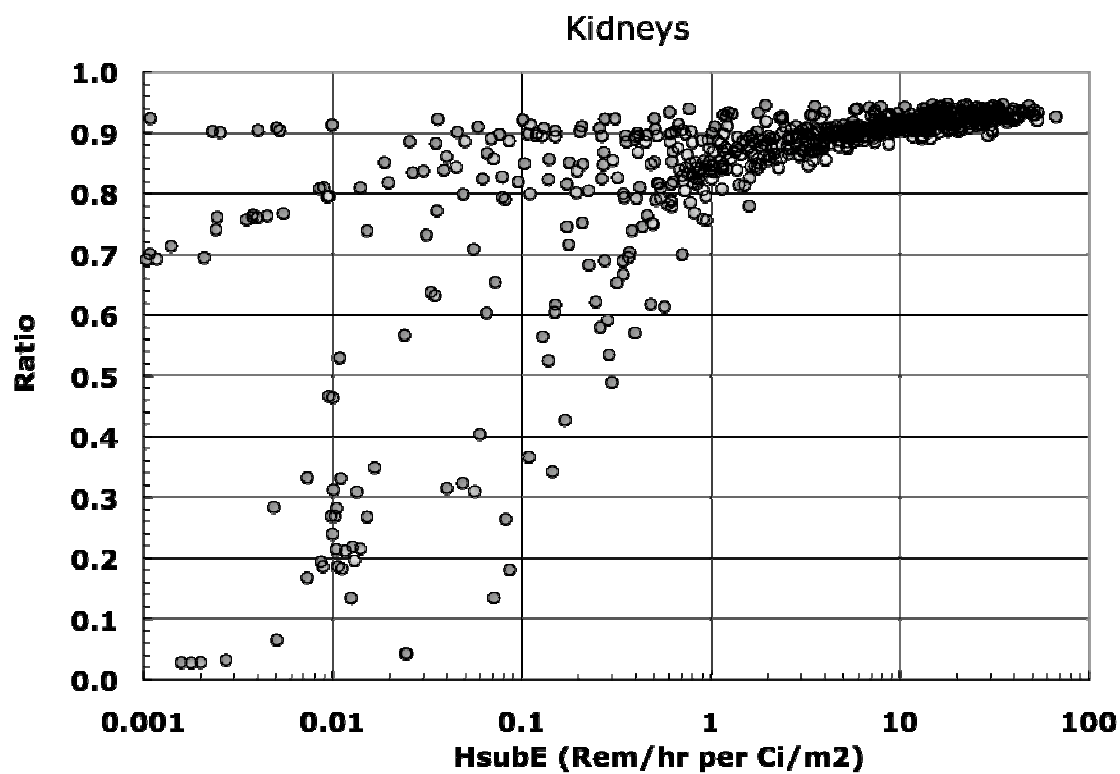


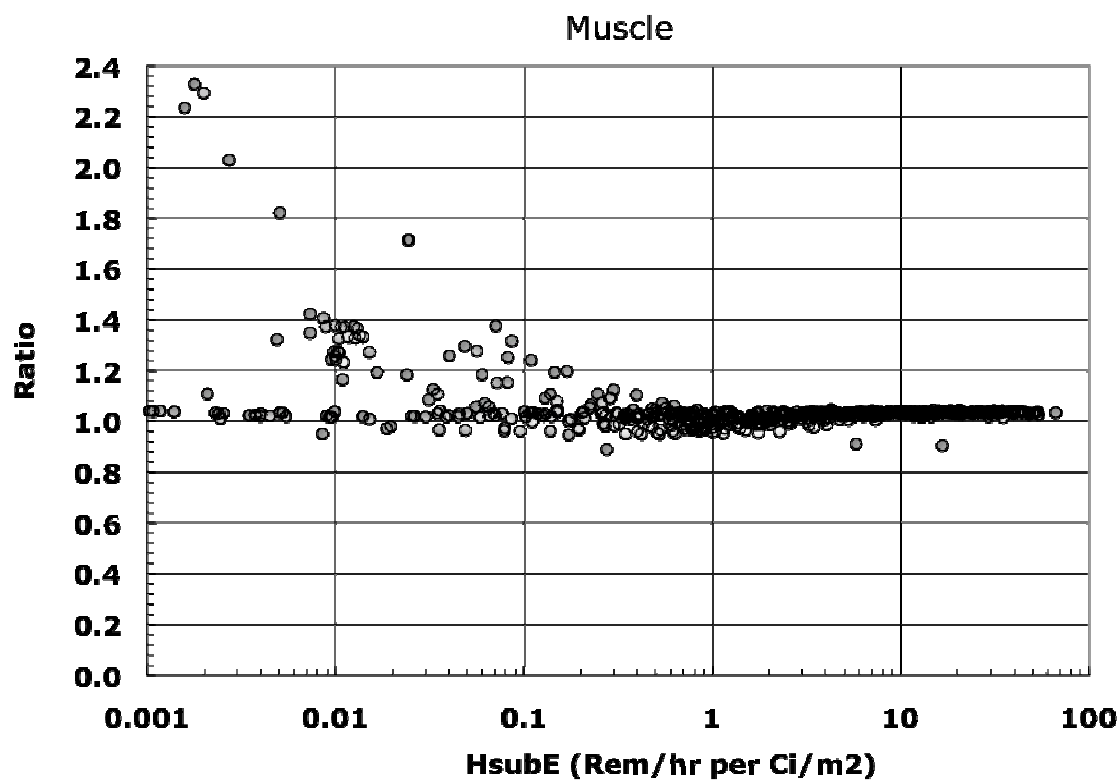
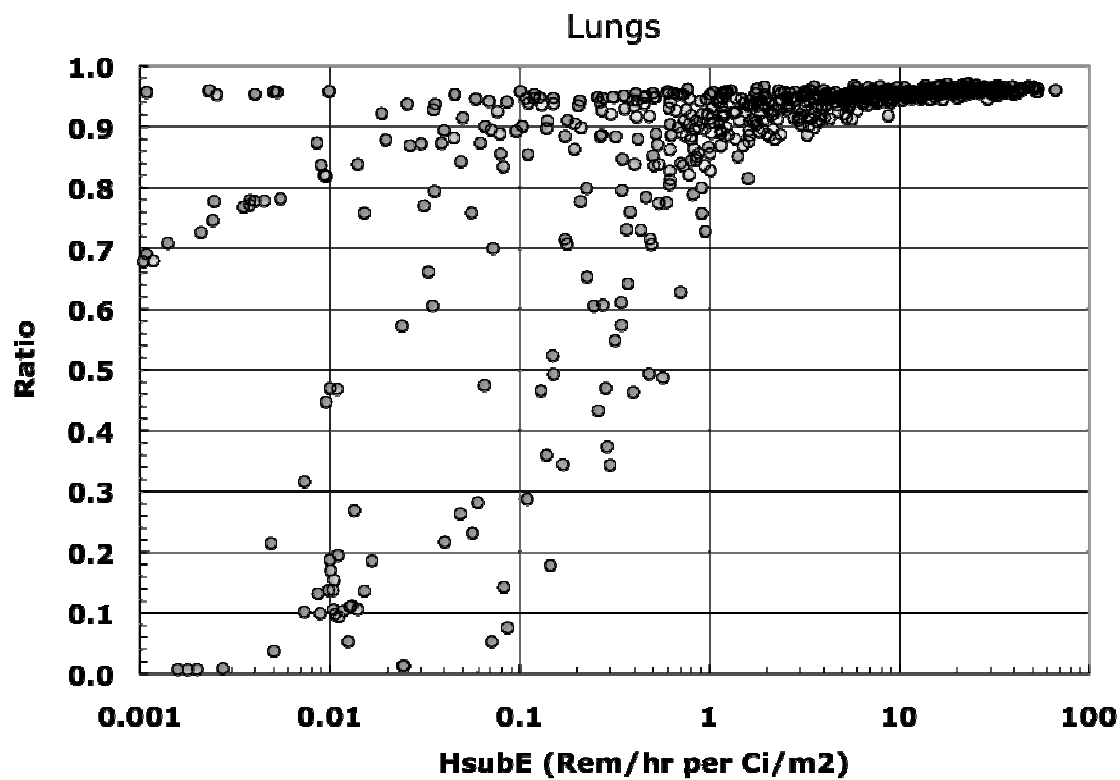


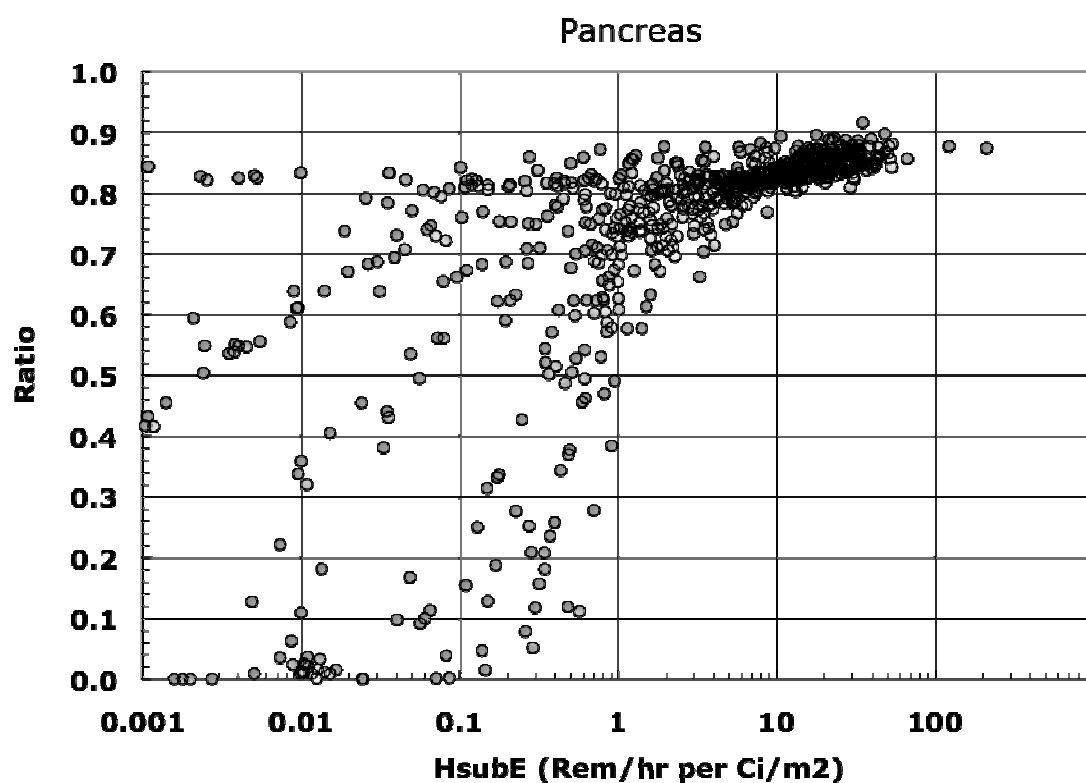
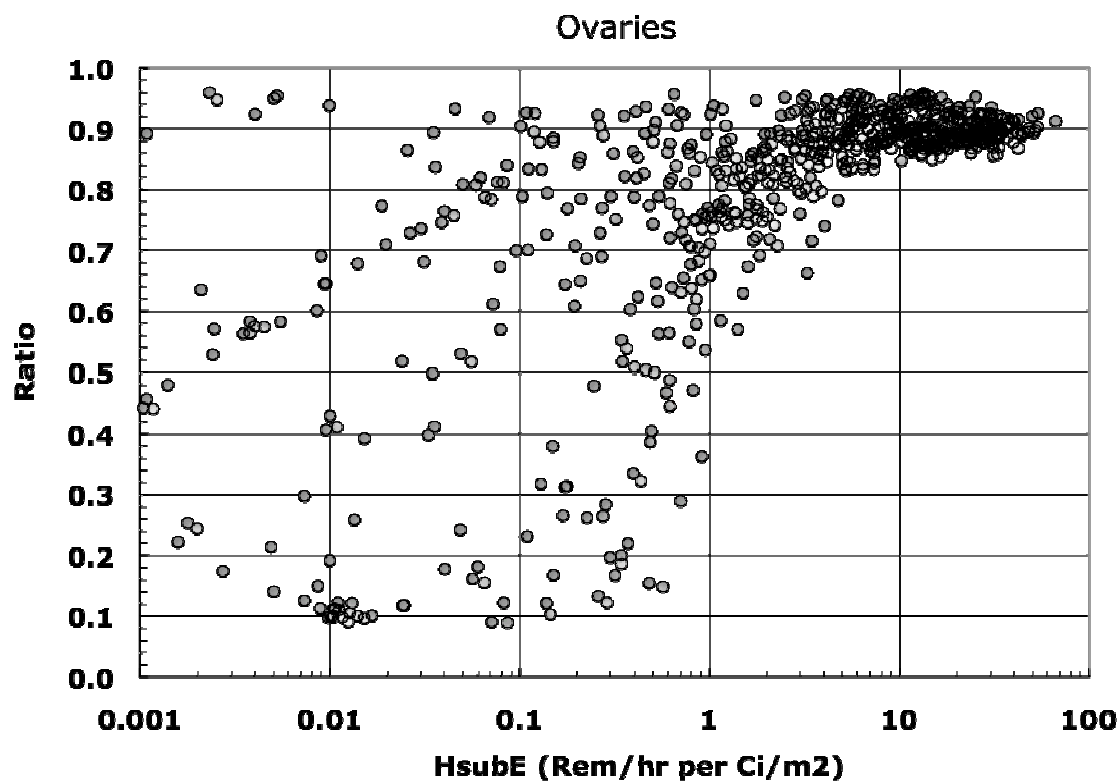


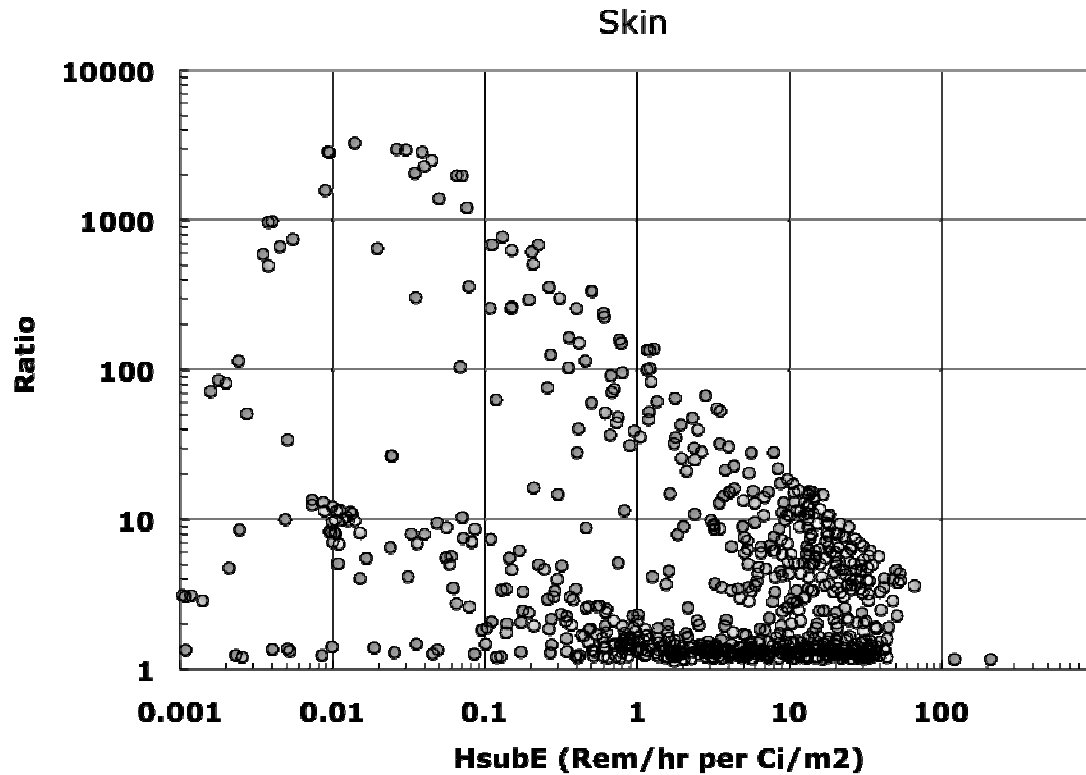
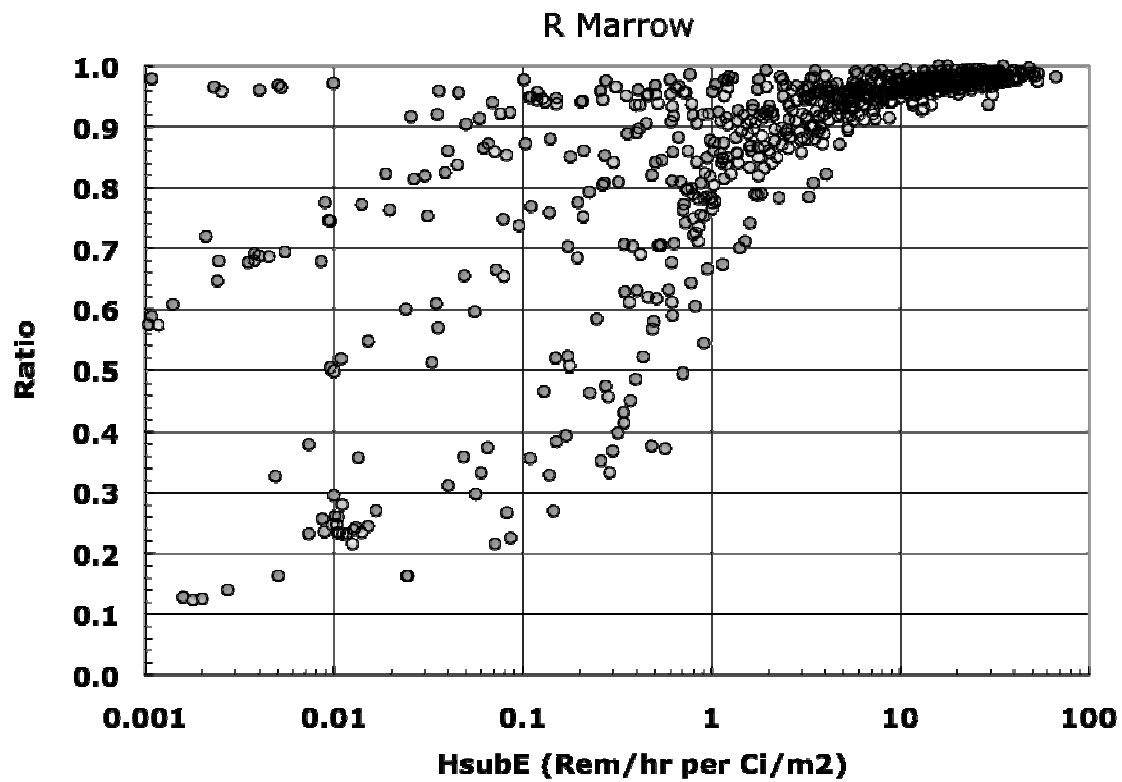


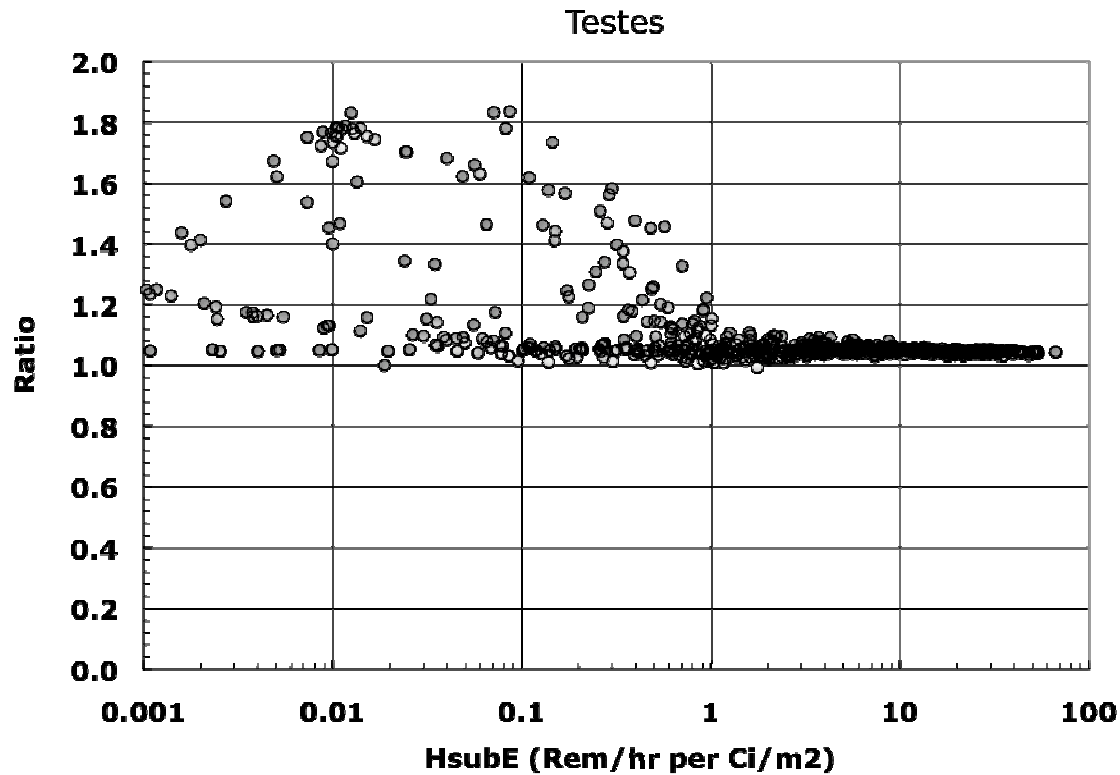
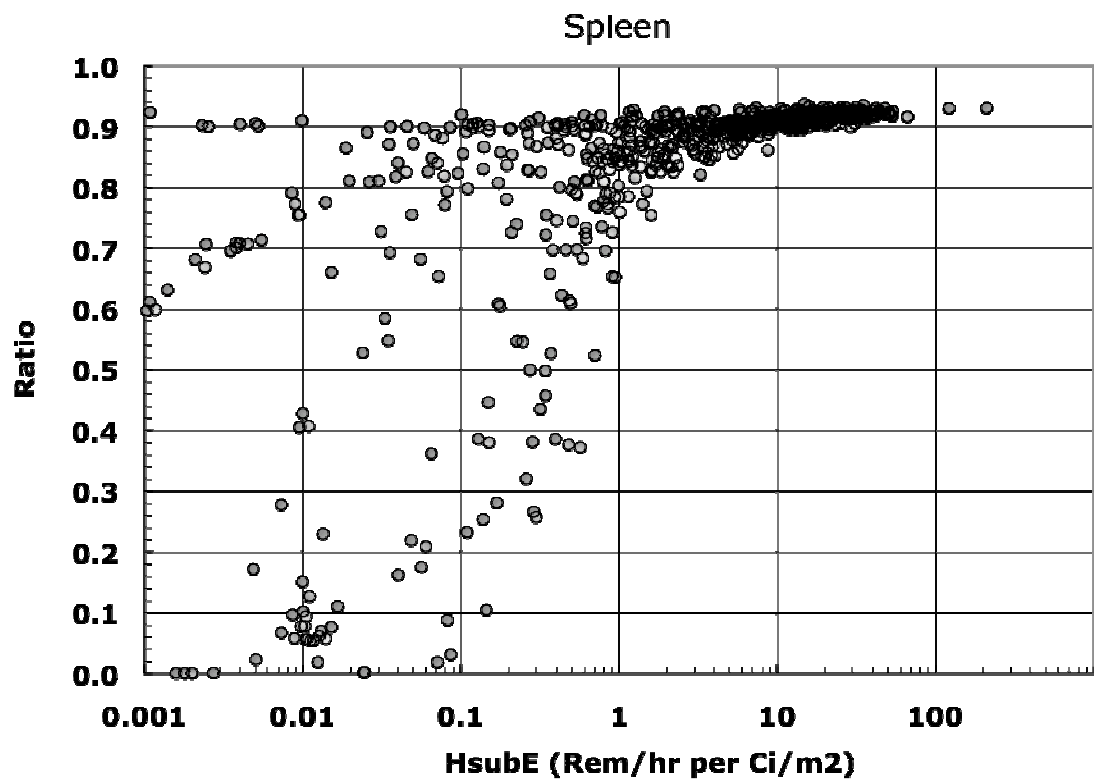


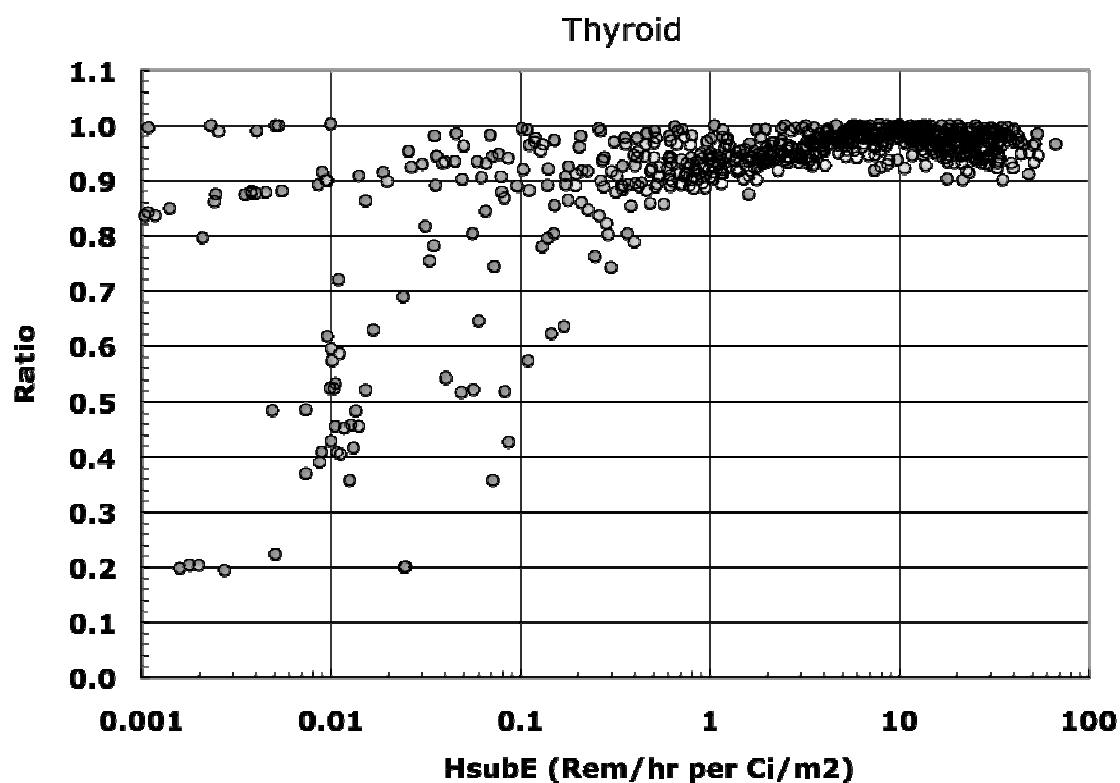
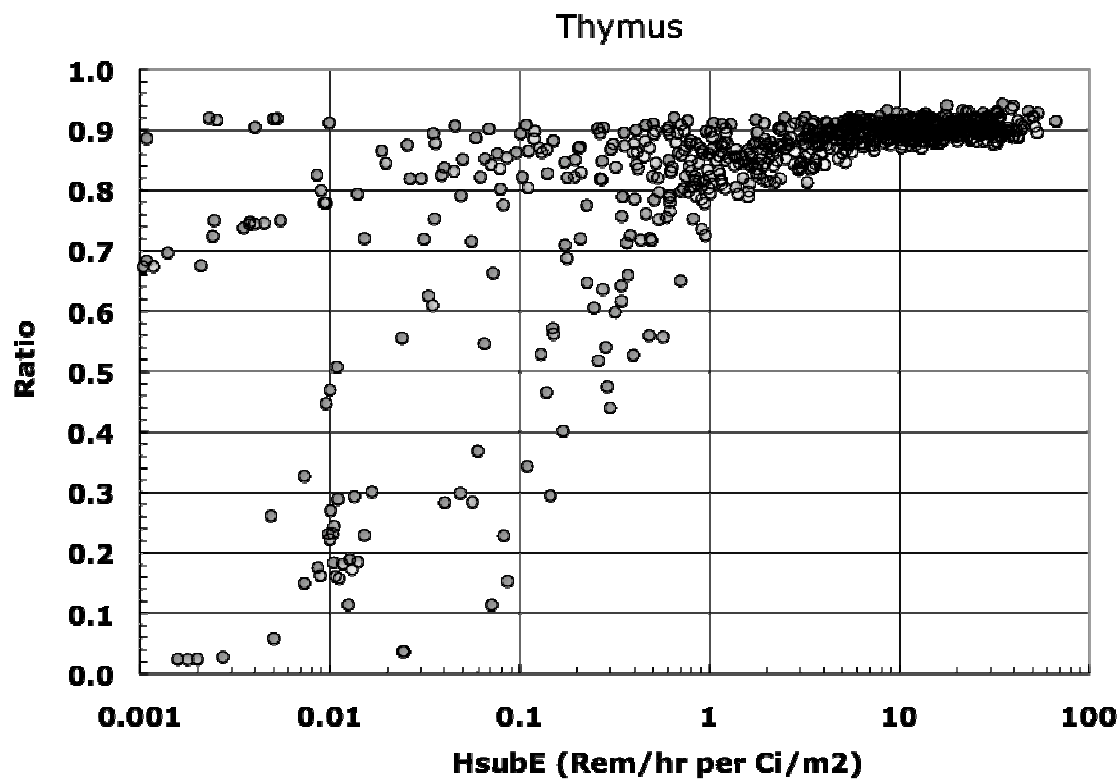












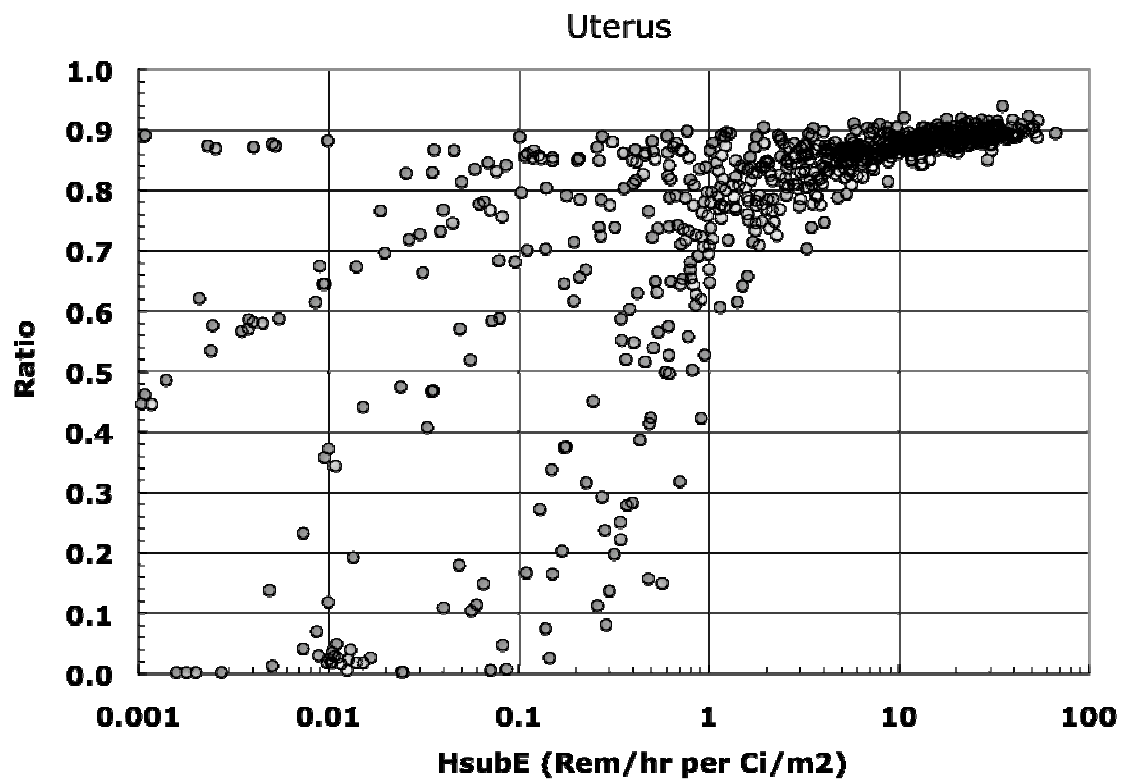


Table 2. Summary of Radionuclides ECFs and DCFs.
(Note: If 2nd column = 1, value is from FGR-12. Units of ECF are
R/hr per Ci/m², Units of HsubE are rem/hr per Ci/m².)

Isotope	Ref	Gam (MeV)	ECF	HsubE
H-1	0	0.000	0.00E+00	0.00E+00
H-2	0	0.000	0.00E+00	0.00E+00
H-3	1	0.000	0.00E+00	0.00E+00
H-4	0	0.000	0.00E+00	0.00E+00
H-5	0	0.000	0.00E+00	0.00E+00
H-6	0	0.000	0.00E+00	0.00E+00
H-7	0	0.000	0.00E+00	0.00E+00
He-3	0	0.000	0.00E+00	0.00E+00
He-4	0	0.000	0.00E+00	0.00E+00
He-5	0	0.000	0.00E+00	0.00E+00
He-6	0	0.005	1.26E-03	5.75E-02
He-7	0	0.000	0.00E+00	0.00E+00
He-8	0	0.823	1.50E+01	1.03E+01
He-9	0	0.000	0.00E+00	0.00E+00
He-10	0	0.000	0.00E+00	0.00E+00
Li-4	0	0.000	0.00E+00	0.00E+00
Li-5	0	0.000	0.00E+00	0.00E+00
Li-6	0	0.000	0.00E+00	0.00E+00
Li-7	0	0.000	0.00E+00	0.00E+00
Li-8	0	0.037	1.27E+00	4.63E-01
Li-9	0	0.034	1.47E+00	4.25E-01
Li-10	0	0.000	0.00E+00	0.00E+00
Li-11	0	1.522	2.65E+01	1.90E+01
Li-12	0	0.000	0.00E+00	0.00E+00
Be-5	0	0.000	0.00E+00	0.00E+00
Be-6	0	0.000	0.00E+00	0.00E+00
Be-7	1	0.050	8.56E-01	6.51E-01
Be-8	0	0.000	0.00E+00	0.00E+00
Be-9	0	0.000	0.00E+00	0.00E+00
Be-10	1	0.000	0.00E+00	5.49E-03
Be-11	0	1.480	2.58E+01	1.85E+01
Be-12	0	0.032	1.63E+00	4.00E-01
Be-13	0	0.000	0.00E+00	0.00E+00
Be-14	0	0.000	0.00E+00	0.00E+00
Be-15	0	0.000	0.00E+00	0.00E+00
Be-16	0	0.000	0.00E+00	0.00E+00
B-6	0	0.000	0.00E+00	0.00E+00
B-7	0	0.000	0.00E+00	0.00E+00
B-8	0	1.063	1.92E+01	1.33E+01
B-9	0	0.000	0.00E+00	0.00E+00

B-10	0	0.000	0.00E+00	0.00E+00
B-11	0	0.000	0.00E+00	0.00E+00
B-12	0	0.095	1.32E+00	1.19E+00
B-13	0	0.326	5.24E+00	4.07E+00
B-14	0	6.253	8.80E+01	7.82E+01
B-15	0	0.000	0.00E+00	0.00E+00
B-16	0	0.000	0.00E+00	0.00E+00
B-17	0	0.000	0.00E+00	0.00E+00
B-18	0	0.000	0.00E+00	0.00E+00
B-19	0	0.000	0.00E+00	0.00E+00
C-8	0	0.000	0.00E+00	0.00E+00
C-9	0	1.020	1.85E+01	1.28E+01
C-10	0	1.750	2.99E+01	2.19E+01
C-11	1	1.020	1.85E+01	1.35E+01
C-12	0	0.000	0.00E+00	0.00E+00
C-13	0	0.000	0.00E+00	0.00E+00
C-14	1	0.000	0.00E+00	2.14E-04
C-15	0	3.358	5.14E+01	4.20E+01
C-16	0	0.007	7.83E-01	8.87E-02
C-17	0	1.027	1.86E+01	1.28E+01
C-18	0	2.020	3.39E+01	2.53E+01
C-19	0	0.000	0.00E+00	0.00E+00
C-20	0	0.000	0.00E+00	0.00E+00
C-21	0	0.000	0.00E+00	0.00E+00
C-22	0	0.000	0.00E+00	0.00E+00
N-10	0	0.000	0.00E+00	0.00E+00
N-11	0	0.000	0.00E+00	0.00E+00
N-12	0	1.170	2.10E+01	1.46E+01
N-13	1	1.020	1.85E+01	1.35E+01
N-14	0	0.000	0.00E+00	0.00E+00
N-15	0	0.000	0.00E+00	0.00E+00
N-16	0	4.603	6.68E+01	5.75E+01
N-17	0	0.042	1.05E+00	5.25E-01
N-18	0	5.350	7.64E+01	6.69E+01
N-19	0	0.000	0.00E+00	0.00E+00
N-20	0	0.000	0.00E+00	0.00E+00
N-21	0	0.000	0.00E+00	0.00E+00
N-22	0	0.000	0.00E+00	0.00E+00
N-23	0	0.000	0.00E+00	0.00E+00
N-24	0	0.000	0.00E+00	0.00E+00
N-25	0	0.000	0.00E+00	0.00E+00
O-12	0	0.000	0.00E+00	0.00E+00
O-13	0	1.100	1.98E+01	1.38E+01
O-14	0	3.320	5.09E+01	4.15E+01
O-15	1	1.020	1.85E+01	1.35E+01
O-16	0	0.000	0.00E+00	0.00E+00
O-17	0	0.000	0.00E+00	0.00E+00

O-18	0	0.000	0.00E+00	0.00E+00
O-19	0	0.940	1.71E+01	1.17E+01
O-20	0	1.058	1.91E+01	1.32E+01
O-21	0	2.950	4.63E+01	3.69E+01
O-22	0	1.954	3.30E+01	2.44E+01
O-23	0	0.000	0.00E+00	0.00E+00
O-24	0	0.755	1.38E+01	9.44E+00
O-25	0	0.000	0.00E+00	0.00E+00
O-26	0	0.000	0.00E+00	0.00E+00
O-27	0	0.000	0.00E+00	0.00E+00
O-28	0	0.000	0.00E+00	0.00E+00
F-14	0	0.000	0.00E+00	0.00E+00
F-15	0	0.000	0.00E+00	0.00E+00
F-16	0	0.000	0.00E+00	0.00E+00
F-17	0	1.020	1.85E+01	1.28E+01
F-18	1	0.990	1.80E+01	1.35E+01
F-19	0	0.000	0.00E+00	0.00E+00
F-20	0	1.634	2.82E+01	2.04E+01
F-21	0	0.547	9.74E+00	6.84E+00
F-22	0	5.400	7.70E+01	6.75E+01
F-23	0	2.337	3.83E+01	2.92E+01
F-24	0	0.000	0.00E+00	0.00E+00
F-25	0	1.308	2.32E+01	1.64E+01
F-26	0	1.670	2.87E+01	2.09E+01
F-27	0	0.000	0.00E+00	0.00E+00
F-28	0	0.000	0.00E+00	0.00E+00
F-29	0	0.000	0.00E+00	0.00E+00
F-30	0	0.000	0.00E+00	0.00E+00
F-31	0	0.000	0.00E+00	0.00E+00
Ne-16	0	0.000	0.00E+00	0.00E+00
Ne-17	0	1.080	1.95E+01	1.35E+01
Ne-18	0	1.110	2.00E+01	1.39E+01
Ne-19	1	1.020	1.85E+01	1.36E+01
Ne-20	0	0.000	0.00E+00	0.00E+00
Ne-21	0	0.000	0.00E+00	0.00E+00
Ne-22	0	0.000	0.00E+00	0.00E+00
Ne-23	0	0.165	2.21E+00	2.07E+00
Ne-24	0	0.541	9.63E+00	6.77E+00
Ne-25	0	0.389	6.55E+00	4.87E+00
Ne-26	0	0.000	0.00E+00	0.00E+00
Ne-27	0	0.000	0.00E+00	0.00E+00
Ne-28	0	0.421	7.20E+00	5.26E+00
Ne-29	0	1.060	1.92E+01	1.32E+01
Ne-30	0	0.450	7.80E+00	5.63E+00
Ne-31	0	0.000	0.00E+00	0.00E+00
Ne-32	0	0.000	0.00E+00	0.00E+00
Ne-33	0	0.000	0.00E+00	0.00E+00

Ne-34	0	0.000	0.00E+00	0.00E+00
Na-18	0	0.000	0.00E+00	0.00E+00
Na-19	0	0.000	0.00E+00	0.00E+00
Na-20	0	2.734	4.35E+01	3.42E+01
Na-21	0	1.040	1.88E+01	1.30E+01
Na-22	1	2.190	3.63E+01	2.80E+01
Na-23	0	0.000	0.00E+00	0.00E+00
Na-24	1	4.124	6.07E+01	4.81E+01
Na-24m	0	0.472	8.25E+00	5.90E+00
Na-25	0	0.436	7.51E+00	5.45E+00
Na-26	0	2.162	3.59E+01	2.70E+01
Na-27	0	1.168	2.09E+01	1.46E+01
Na-28	0	1.146	2.06E+01	1.43E+01
Na-29	0	1.850	3.14E+01	2.31E+01
Na-30	0	2.860	4.52E+01	3.58E+01
Na-31	0	1.023	1.85E+01	1.28E+01
Na-32	0	2.276	3.75E+01	2.85E+01
Na-33	0	0.330	5.33E+00	4.13E+00
Na-34	0	0.000	0.00E+00	0.00E+00
Na-35	0	0.000	0.00E+00	0.00E+00
Na-36	0	0.000	0.00E+00	0.00E+00
Na-37	0	0.000	0.00E+00	0.00E+00
Mg-20	0	0.000	0.00E+00	0.00E+00
Mg-21	0	1.480	2.58E+01	1.85E+01
Mg-22	0	1.730	2.96E+01	2.16E+01
Mg-23	0	1.060	1.92E+01	1.32E+01
Mg-24	0	0.000	0.00E+00	0.00E+00
Mg-25	0	0.000	0.00E+00	0.00E+00
Mg-26	0	0.000	0.00E+00	0.00E+00
Mg-27	0	0.891	1.62E+01	1.11E+01
Mg-28	1	1.371	2.41E+01	1.73E+01
Mg-29	0	1.859	3.16E+01	2.32E+01
Mg-30	0	0.583	1.04E+01	7.29E+00
Mg-31	0	1.750	2.99E+01	2.19E+01
Mg-32	0	0.869	1.58E+01	1.09E+01
Mg-33	0	0.000	0.00E+00	0.00E+00
Mg-34	0	0.000	0.00E+00	0.00E+00
Mg-35	0	0.000	0.00E+00	0.00E+00
Mg-36	0	0.000	0.00E+00	0.00E+00
Mg-37	0	0.000	0.00E+00	0.00E+00
Mg-38	0	0.000	0.00E+00	0.00E+00
Mg-39	0	0.000	0.00E+00	0.00E+00
Mg-40	0	0.000	0.00E+00	0.00E+00
Al-21	0	0.000	0.00E+00	0.00E+00
Al-22	0	0.000	0.00E+00	0.00E+00
Al-23	0	1.189	2.13E+01	1.49E+01
Al-24	0	9.500	1.34E+02	1.19E+02

Al-24m	0	0.877	1.60E+01	1.10E+01
Al-25	0	1.040	1.88E+01	1.30E+01
Al-26	1	2.680	4.28E+01	3.32E+01
Al-26m	0	1.020	1.85E+01	1.28E+01
Al-27	0	0.000	0.00E+00	0.00E+00
Al-28	1	1.779	3.04E+01	2.16E+01
Al-29	0	1.379	2.43E+01	1.72E+01
Al-30	0	3.482	5.29E+01	4.35E+01
Al-31	0	0.720	1.31E+01	9.00E+00
Al-32	0	0.526	9.33E+00	6.58E+00
Al-33	0	0.070	1.20E+00	8.75E-01
Al-34	0	3.062	4.77E+01	3.83E+01
Al-35	0	0.000	0.00E+00	0.00E+00
Al-36	0	0.000	0.00E+00	0.00E+00
Al-37	0	0.000	0.00E+00	0.00E+00
Al-38	0	0.000	0.00E+00	0.00E+00
Al-39	0	0.000	0.00E+00	0.00E+00
Al-40	0	0.000	0.00E+00	0.00E+00
Al-41	0	0.000	0.00E+00	0.00E+00
Al-42	0	0.000	0.00E+00	0.00E+00
Si-22	0	0.000	0.00E+00	0.00E+00
Si-23	0	1.020	1.85E+01	1.28E+01
Si-24	0	0.014	3.76E+00	1.75E-01
Si-25	0	1.020	1.85E+01	1.28E+01
Si-26	0	1.260	2.24E+01	1.58E+01
Si-27	0	1.030	1.87E+01	1.29E+01
Si-28	0	0.000	0.00E+00	0.00E+00
Si-29	0	0.000	0.00E+00	0.00E+00
Si-30	0	0.000	0.00E+00	0.00E+00
Si-31	1	0.002	0.00E+00	4.01E-02
Si-32	1	0.000	0.00E+00	4.13E-04
Si-33	0	0.000	0.00E+00	0.00E+00
Si-34	0	0.000	0.00E+00	0.00E+00
Si-35	0	4.459	6.50E+01	5.57E+01
Si-36	0	1.676	2.88E+01	2.10E+01
Si-37	0	0.000	0.00E+00	0.00E+00
Si-38	0	0.000	0.00E+00	0.00E+00
Si-39	0	0.000	0.00E+00	0.00E+00
Si-40	0	0.000	0.00E+00	0.00E+00
Si-41	0	0.000	0.00E+00	0.00E+00
Si-42	0	0.000	0.00E+00	0.00E+00
Si-43	0	0.000	0.00E+00	0.00E+00
Si-44	0	0.000	0.00E+00	0.00E+00
P-24	0	0.000	0.00E+00	0.00E+00
P-25	0	0.000	0.00E+00	0.00E+00
P-26	0	0.000	0.00E+00	0.00E+00
P-27	0	0.000	0.00E+00	0.00E+00

P-28	0	4.744	6.87E+01	5.93E+01
P-29	0	1.050	1.90E+01	1.31E+01
P-30	1	1.030	1.87E+01	1.36E+01
P-31	0	0.000	0.00E+00	0.00E+00
P-32	1	0.001	0.00E+00	3.88E-02
P-33	1	0.000	0.00E+00	5.94E-04
P-34	0	0.334	5.42E+00	4.18E+00
P-35	0	1.579	2.73E+01	1.97E+01
P-36	0	4.610	6.69E+01	5.76E+01
P-37	0	0.000	0.00E+00	0.00E+00
P-38	0	2.520	4.07E+01	3.15E+01
P-39	0	0.000	0.00E+00	0.00E+00
P-40	0	2.941	4.62E+01	3.68E+01
P-41	0	0.000	0.00E+00	0.00E+00
P-42	0	0.000	0.00E+00	0.00E+00
P-43	0	0.000	0.00E+00	0.00E+00
P-44	0	0.000	0.00E+00	0.00E+00
P-45	0	0.000	0.00E+00	0.00E+00
P-46	0	0.000	0.00E+00	0.00E+00
S-26	0	0.000	0.00E+00	0.00E+00
S-27	0	0.000	0.00E+00	0.00E+00
S-28	0	1.020	1.85E+01	1.28E+01
S-29	0	2.230	3.68E+01	2.79E+01
S-30	0	1.610	2.78E+01	2.01E+01
S-31	0	1.040	1.88E+01	1.30E+01
S-32	0	0.000	0.00E+00	0.00E+00
S-33	0	0.000	0.00E+00	0.00E+00
S-34	0	0.000	0.00E+00	0.00E+00
S-35	1	0.000	0.00E+00	2.24E-04
S-36	0	0.000	0.00E+00	0.00E+00
S-37	0	2.931	4.61E+01	3.66E+01
S-38	0	1.694	2.91E+01	2.12E+01
S-39	0	1.784	3.05E+01	2.23E+01
S-40	0	1.474	2.57E+01	1.84E+01
S-41	0	0.000	0.00E+00	0.00E+00
S-42	0	1.847	3.14E+01	2.31E+01
S-43	0	0.000	0.00E+00	0.00E+00
S-44	0	0.000	0.00E+00	0.00E+00
S-45	0	0.000	0.00E+00	0.00E+00
S-46	0	0.000	0.00E+00	0.00E+00
S-47	0	0.000	0.00E+00	0.00E+00
S-48	0	0.000	0.00E+00	0.00E+00
S-49	0	0.000	0.00E+00	0.00E+00
C1-28	0	0.000	0.00E+00	0.00E+00
C1-29	0	0.000	0.00E+00	0.00E+00
C1-30	0	0.000	0.00E+00	0.00E+00
C1-31	0	0.900	1.64E+01	1.13E+01

Cl-32	0	4.793	6.93E+01	5.99E+01
Cl-33	0	1.050	1.90E+01	1.31E+01
Cl-34	0	1.030	1.87E+01	1.29E+01
Cl-34m	0	2.110	3.52E+01	2.64E+01
Cl-35	0	0.000	0.00E+00	0.00E+00
Cl-36	1	0.000	0.00E+00	8.96E-03
Cl-37	0	0.000	0.00E+00	0.00E+00
Cl-38	1	1.511	2.63E+01	1.78E+01
Cl-38m	0	0.671	1.21E+01	8.39E+00
Cl-39	1	1.450	2.54E+01	1.80E+01
Cl-40	0	4.069	6.00E+01	5.09E+01
Cl-41	0	0.000	0.00E+00	0.00E+00
Cl-42	0	0.000	0.00E+00	0.00E+00
Cl-43	0	0.000	0.00E+00	0.00E+00
Cl-44	0	0.000	0.00E+00	0.00E+00
Cl-45	0	0.000	0.00E+00	0.00E+00
Cl-46	0	0.000	0.00E+00	0.00E+00
Cl-47	0	0.000	0.00E+00	0.00E+00
Cl-48	0	0.000	0.00E+00	0.00E+00
Cl-49	0	0.000	0.00E+00	0.00E+00
Cl-50	0	0.000	0.00E+00	0.00E+00
Cl-51	0	0.000	0.00E+00	0.00E+00
Ar-30	0	0.000	0.00E+00	0.00E+00
Ar-31	0	1.020	1.85E+01	1.28E+01
Ar-32	0	1.673	2.88E+01	2.09E+01
Ar-33	0	1.450	2.54E+01	1.81E+01
Ar-34	0	1.870	3.17E+01	2.34E+01
Ar-35	0	1.060	1.92E+01	1.32E+01
Ar-36	0	0.000	0.00E+00	0.00E+00
Ar-37	1	0.000	0.00E+00	0.00E+00
Ar-38	0	0.000	0.00E+00	0.00E+00
Ar-39	1	0.000	0.00E+00	4.50E-03
Ar-40	0	0.000	0.00E+00	0.00E+00
Ar-41	1	1.284	2.28E+01	1.60E+01
Ar-42	0	0.000	0.00E+00	2.12E-03
Ar-43	0	1.488	2.59E+01	1.86E+01
Ar-44	0	1.904	3.22E+01	2.38E+01
Ar-45	0	2.871	4.53E+01	3.59E+01
Ar-46	0	1.940	3.28E+01	2.43E+01
Ar-47	0	2.112	3.52E+01	2.64E+01
Ar-48	0	0.000	0.00E+00	0.00E+00
Ar-49	0	0.000	0.00E+00	0.00E+00
Ar-50	0	0.000	0.00E+00	0.00E+00
Ar-51	0	0.000	0.00E+00	0.00E+00
Ar-52	0	0.000	0.00E+00	0.00E+00
Ar-53	0	0.000	0.00E+00	0.00E+00
K-32	0	0.000	0.00E+00	0.00E+00

K-33	0	0.000	0.00E+00	0.00E+00
K-34	0	0.000	0.00E+00	0.00E+00
K-35	0	4.310	6.31E+01	5.39E+01
K-36	0	5.500	7.83E+01	6.88E+01
K-37	0	1.070	1.93E+01	1.34E+01
K-38	1	3.190	4.93E+01	3.89E+01
K-38m	0	1.030	1.87E+01	1.29E+01
K-39	0	0.000	0.00E+00	0.00E+00
K-40	1	0.157	2.07E+00	1.94E+00
K-41	0	0.000	0.00E+00	0.00E+00
K-42	1	0.279	4.31E+00	3.54E+00
K-43	1	0.964	1.75E+01	1.27E+01
K-44	1	2.356	3.85E+01	2.72E+01
K-45	1	1.835	3.12E+01	2.25E+01
K-46	0	3.000	4.70E+01	3.75E+01
K-47	0	2.624	4.21E+01	3.28E+01
K-48	0	6.786	9.53E+01	8.48E+01
K-49	0	0.000	0.00E+00	0.00E+00
K-50	0	0.465	8.11E+00	5.82E+00
K-51	0	0.931	1.69E+01	1.16E+01
K-52	0	0.300	4.72E+00	3.75E+00
K-53	0	0.000	0.00E+00	0.00E+00
K-54	0	0.000	0.00E+00	0.00E+00
K-55	0	0.000	0.00E+00	0.00E+00
Ca-34	0	0.000	0.00E+00	0.00E+00
Ca-35	0	0.000	0.00E+00	0.00E+00
Ca-36	0	0.635	1.14E+01	7.94E+00
Ca-37	0	1.150	2.06E+01	1.44E+01
Ca-38	0	1.380	2.43E+01	1.73E+01
Ca-39	0	1.030	1.87E+01	1.29E+01
Ca-40	0	0.000	0.00E+00	0.00E+00
Ca-41	1	0.000	0.00E+00	0.00E+00
Ca-42	0	0.000	0.00E+00	0.00E+00
Ca-43	0	0.000	0.00E+00	0.00E+00
Ca-44	0	0.000	0.00E+00	0.00E+00
Ca-45	1	0.000	0.00E+00	6.14E-04
Ca-46	0	0.000	0.00E+00	0.00E+00
Ca-47	1	1.060	1.92E+01	1.33E+01
Ca-48	0	0.000	0.00E+00	0.00E+00
Ca-49	1	3.170	4.91E+01	3.50E+01
Ca-50	0	1.827	3.11E+01	2.28E+01
Ca-51	0	2.691	4.30E+01	3.36E+01
Ca-52	0	1.794	3.06E+01	2.24E+01
Ca-53	0	0.000	0.00E+00	0.00E+00
Ca-54	0	0.000	0.00E+00	0.00E+00
Ca-55	0	0.000	0.00E+00	0.00E+00
Ca-56	0	0.000	0.00E+00	0.00E+00

Ca-57	0	0.000	0.00E+00	0.00E+00
Sc-36	0	0.000	0.00E+00	0.00E+00
Sc-37	0	0.000	0.00E+00	0.00E+00
Sc-38	0	0.000	0.00E+00	0.00E+00
Sc-39	0	0.000	0.00E+00	0.00E+00
Sc-40	0	7.120	9.99E+01	8.90E+01
Sc-41	0	1.030	1.87E+01	1.29E+01
Sc-42	0	1.030	1.87E+01	1.29E+01
Sc-42m	0	4.210	6.18E+01	5.26E+01
Sc-43	1	0.983	1.79E+01	1.44E+01
Sc-44	1	2.130	3.55E+01	2.76E+01
Sc-44m	1	0.274	4.22E+00	3.62E+00
Sc-45	0	0.000	0.00E+00	0.00E+00
Sc-45m	0	0.000	0.00E+00	4.00E-03
Sc-46	1	2.009	3.38E+01	2.57E+01
Sc-46m	0	0.088	1.28E+00	1.10E+00
Sc-47	1	0.109	1.44E+00	1.39E+00
Sc-48	1	3.350	5.13E+01	4.24E+01
Sc-49	1	0.003	0.00E+00	6.57E-02
Sc-50	0	3.199	4.94E+01	4.00E+01
Sc-50m	0	0.287	4.47E+00	3.59E+00
Sc-51	0	2.349	3.85E+01	2.94E+01
Sc-52	0	2.888	4.55E+01	3.61E+01
Sc-53	0	0.000	0.00E+00	0.00E+00
Sc-54	0	1.800	3.07E+01	2.25E+01
Sc-55	0	0.000	0.00E+00	0.00E+00
Sc-56	0	0.000	0.00E+00	0.00E+00
Sc-57	0	0.000	0.00E+00	0.00E+00
Sc-58	0	0.000	0.00E+00	0.00E+00
Sc-59	0	0.000	0.00E+00	0.00E+00
Sc-60	0	0.000	0.00E+00	0.00E+00
Ti-38	0	0.000	0.00E+00	0.00E+00
Ti-39	0	0.000	0.00E+00	0.00E+00
Ti-40	0	1.020	1.85E+01	1.28E+01
Ti-41	0	1.110	2.00E+01	1.39E+01
Ti-42	0	1.400	2.46E+01	1.75E+01
Ti-43	0	1.030	1.87E+01	1.29E+01
Ti-44	1	0.140	1.80E+00	1.76E+00
Ti-45	1	0.873	1.59E+01	1.15E+01
Ti-46	0	0.000	0.00E+00	0.00E+00
Ti-47	0	0.000	0.00E+00	0.00E+00
Ti-48	0	0.000	0.00E+00	0.00E+00
Ti-49	0	0.000	0.00E+00	0.00E+00
Ti-50	0	0.000	0.00E+00	0.00E+00
Ti-51	0	0.369	6.13E+00	4.61E+00
Ti-52	0	0.128	1.65E+00	1.60E+00
Ti-53	0	1.961	3.31E+01	2.45E+01

Ti-54	0	0.000	0.00E+00	0.00E+00
Ti-55	0	0.832	1.52E+01	1.04E+01
Ti-56	0	0.000	0.00E+00	0.00E+00
Ti-57	0	0.000	0.00E+00	0.00E+00
Ti-58	0	0.000	0.00E+00	0.00E+00
Ti-59	0	0.000	0.00E+00	0.00E+00
Ti-60	0	0.000	0.00E+00	0.00E+00
Ti-61	0	0.000	0.00E+00	0.00E+00
Ti-62	0	0.000	0.00E+00	0.00E+00
Ti-63	0	0.000	0.00E+00	0.00E+00
V-40	0	0.000	0.00E+00	0.00E+00
V-41	0	0.000	0.00E+00	0.00E+00
V-42	0	0.000	0.00E+00	0.00E+00
V-43	0	0.000	0.00E+00	0.00E+00
V-44	0	3.490	5.30E+01	4.36E+01
V-44m	0	4.865	7.03E+01	6.08E+01
V-45	0	0.001	0.00E+00	1.76E-02
V-46	0	1.030	1.87E+01	1.29E+01
V-46m	0	0.801	1.46E+01	1.00E+01
V-47	1	1.000	1.82E+01	1.31E+01
V-48	1	2.910	4.58E+01	3.70E+01
V-49	1	0.001	0.00E+00	0.00E+00
V-50	0	1.421	2.49E+01	1.78E+01
V-51	0	0.000	0.00E+00	0.00E+00
V-52	0	1.445	2.53E+01	1.81E+01
V-53	0	1.038	1.88E+01	1.30E+01
V-54	0	4.100	6.04E+01	5.13E+01
V-55	0	0.690	1.25E+01	8.62E+00
V-56	0	0.000	0.00E+00	0.00E+00
V-57	0	0.000	0.00E+00	0.00E+00
V-58	0	0.000	0.00E+00	0.00E+00
V-59	0	0.000	0.00E+00	0.00E+00
V-60	0	0.000	0.00E+00	0.00E+00
V-61	0	0.039	1.17E+00	4.88E-01
V-62	0	0.000	0.00E+00	0.00E+00
V-63	0	0.000	0.00E+00	0.00E+00
V-64	0	0.000	0.00E+00	0.00E+00
V-65	0	0.000	0.00E+00	0.00E+00
Cr-42	0	0.000	0.00E+00	0.00E+00
Cr-43	0	0.000	0.00E+00	0.00E+00
Cr-44	0	0.000	0.00E+00	0.00E+00
Cr-45	0	0.745	1.36E+01	9.31E+00
Cr-45m	0	0.502	8.85E+00	6.27E+00
Cr-46	0	1.030	1.87E+01	1.29E+01
Cr-47	0	1.030	1.87E+01	1.29E+01
Cr-48	1	0.421	7.20E+00	5.63E+00
Cr-49	1	1.060	1.92E+01	1.39E+01

Cr-50	0	0.000	0.00E+00	0.00E+00
Cr-51	1	0.033	1.56E+00	4.10E-01
Cr-52	0	0.000	0.00E+00	0.00E+00
Cr-53	0	0.000	0.00E+00	0.00E+00
Cr-54	0	0.000	0.00E+00	0.00E+00
Cr-55	0	0.003	0.00E+00	4.09E-02
Cr-56	0	0.071	1.20E+00	8.86E-01
Cr-57	0	0.467	8.14E+00	5.83E+00
Cr-58	0	0.000	0.00E+00	0.00E+00
Cr-59	0	0.000	0.00E+00	0.00E+00
Cr-60	0	0.000	0.00E+00	0.00E+00
Cr-61	0	0.000	0.00E+00	0.00E+00
Cr-62	0	0.000	0.00E+00	0.00E+00
Cr-63	0	0.000	0.00E+00	0.00E+00
Cr-64	0	0.000	0.00E+00	0.00E+00
Cr-65	0	0.000	0.00E+00	0.00E+00
Cr-66	0	0.000	0.00E+00	0.00E+00
Cr-67	0	0.000	0.00E+00	0.00E+00
Mn-44	0	0.000	0.00E+00	0.00E+00
Mn-45	0	0.000	0.00E+00	0.00E+00
Mn-46	0	0.124	1.61E+00	1.56E+00
Mn-46m	0	1.020	1.85E+01	1.28E+01
Mn-47	0	0.000	0.00E+00	0.00E+00
Mn-48	0	4.818	6.96E+01	6.02E+01
Mn-49	0	1.050	1.90E+01	1.31E+01
Mn-50	0	1.030	1.87E+01	1.29E+01
Mn-50m	0	4.370	6.38E+01	5.46E+01
Mn-51	1	0.999	1.81E+01	1.32E+01
Mn-52	1	3.453	5.25E+01	4.38E+01
Mn-52m	1	2.420	3.94E+01	3.06E+01
Mn-53	1	0.001	0.00E+00	0.00E+00
Mn-54	1	0.836	1.53E+01	1.08E+01
Mn-55	0	0.000	0.00E+00	0.00E+00
Mn-56	1	1.691	2.91E+01	2.10E+01
Mn-57	0	0.098	1.34E+00	1.22E+00
Mn-58	0	0.057	7.69E-01	7.11E-01
Mn-58m	0	2.378	3.88E+01	2.97E+01
Mn-59	0	0.542	9.65E+00	6.78E+00
Mn-60	0	0.000	0.00E+00	0.00E+00
Mn-60m	0	2.806	4.45E+01	3.51E+01
Mn-61	0	0.130	1.68E+00	1.63E+00
Mn-62	0	2.160	3.59E+01	2.70E+01
Mn-62m	0	0.000	0.00E+00	0.00E+00
Mn-63	0	0.000	0.00E+00	0.00E+00
Mn-64	0	0.800	1.47E+01	9.99E+00
Mn-65	0	0.000	0.00E+00	0.00E+00
Mn-66	0	0.000	0.00E+00	0.00E+00

Mn-67	0	0.000	0.00E+00	0.00E+00
Mn-68	0	0.000	0.00E+00	0.00E+00
Mn-69	0	0.000	0.00E+00	0.00E+00
Fe-45	0	0.000	0.00E+00	0.00E+00
Fe-46	0	0.090	1.29E+00	1.13E+00
Fe-47	0	0.000	0.00E+00	0.00E+00
Fe-48	0	1.022	1.85E+01	1.28E+01
Fe-49	0	1.342	2.37E+01	1.68E+01
Fe-50	0	1.022	1.85E+01	1.28E+01
Fe-51	0	1.064	1.92E+01	1.33E+01
Fe-52	1	0.739	1.34E+01	9.68E+00
Fe-52m	0	5.008	7.21E+01	6.26E+01
Fe-53	0	1.207	2.16E+01	1.51E+01
Fe-53m	0	3.054	4.76E+01	3.82E+01
Fe-54	0	0.000	0.00E+00	0.00E+00
Fe-55	1	0.002	0.00E+00	0.00E+00
Fe-56	0	0.000	0.00E+00	0.00E+00
Fe-57	0	0.000	0.00E+00	0.00E+00
Fe-58	0	0.000	0.00E+00	0.00E+00
Fe-59	1	1.188	2.12E+01	1.49E+01
Fe-60	1	0.001	0.00E+00	1.97E-04
Fe-61	0	1.397	2.45E+01	1.75E+01
Fe-62	0	0.510	9.01E+00	6.38E+00
Fe-63	0	0.000	0.00E+00	0.00E+00
Fe-64	0	0.047	9.15E-01	5.85E-01
Fe-65	0	0.000	0.00E+00	0.00E+00
Fe-66	0	0.000	0.00E+00	0.00E+00
Fe-67	0	0.000	0.00E+00	0.00E+00
Fe-68	0	0.000	0.00E+00	0.00E+00
Fe-69	0	0.000	0.00E+00	0.00E+00
Fe-70	0	0.000	0.00E+00	0.00E+00
Fe-71	0	0.000	0.00E+00	0.00E+00
Fe-72	0	0.000	0.00E+00	0.00E+00
Co-47	0	0.000	0.00E+00	0.00E+00
Co-48	0	0.000	0.00E+00	0.00E+00
Co-49	0	0.000	0.00E+00	0.00E+00
Co-50	0	1.502	2.62E+01	1.88E+01
Co-51	0	0.000	0.00E+00	0.00E+00
Co-52	0	3.639	5.48E+01	4.55E+01
Co-52m	0	0.000	0.00E+00	0.00E+00
Co-53	0	1.096	1.97E+01	1.37E+01
Co-53m	0	1.022	1.85E+01	1.28E+01
Co-54	0	1.022	1.85E+01	1.28E+01
Co-54m	0	3.942	5.84E+01	4.93E+01
Co-55	1	1.998	3.36E+01	2.57E+01
Co-56	1	3.580	5.40E+01	4.38E+01
Co-57	1	0.125	1.62E+00	1.53E+00

Co-58	1	0.977	1.78E+01	1.27E+01
Co-58m	1	0.002	0.00E+00	1.24E-04
Co-59	0	0.000	0.00E+00	0.00E+00
Co-60	1	2.503	4.05E+01	3.13E+01
Co-60m	1	0.007	4.51E-01	5.89E-02
Co-61	1	0.097	1.34E+00	1.20E+00
Co-62	0	1.599	2.77E+01	2.00E+01
Co-62m	1	2.683	4.29E+01	3.36E+01
Co-63	0	0.144	1.86E+00	1.80E+00
Co-64	0	0.180	2.47E+00	2.25E+00
Co-65	0	0.114	1.49E+00	1.43E+00
Co-66	0	2.748	4.37E+01	3.43E+01
Co-67	0	0.784	1.44E+01	9.81E+00
Co-68	0	0.595	1.07E+01	7.43E+00
Co-68m	0	3.749	5.61E+01	4.69E+01
Co-69	0	0.000	0.00E+00	0.00E+00
Co-70	0	0.000	0.00E+00	0.00E+00
Co-70m	0	0.000	0.00E+00	0.00E+00
Co-71	0	0.000	0.00E+00	0.00E+00
Co-72	0	0.000	0.00E+00	0.00E+00
Co-73	0	0.000	0.00E+00	0.00E+00
Co-74	0	0.000	0.00E+00	0.00E+00
Co-75	0	0.000	0.00E+00	0.00E+00
Ni-48	0	0.000	0.00E+00	0.00E+00
Ni-49	0	0.000	0.00E+00	0.00E+00
Ni-50	0	0.000	0.00E+00	0.00E+00
Ni-51	0	0.000	0.00E+00	0.00E+00
Ni-52	0	1.022	1.85E+01	1.28E+01
Ni-53	0	0.000	0.00E+00	0.00E+00
Ni-54	0	0.000	0.00E+00	0.00E+00
Ni-55	0	1.022	1.85E+01	1.28E+01
Ni-56	1	1.742	2.98E+01	2.21E+01
Ni-57	1	1.920	3.25E+01	2.40E+01
Ni-58	0	0.000	0.00E+00	0.00E+00
Ni-59	1	0.003	0.00E+00	0.00E+00
Ni-60	0	0.000	0.00E+00	0.00E+00
Ni-61	0	0.000	0.00E+00	0.00E+00
Ni-62	0	0.000	0.00E+00	0.00E+00
Ni-63	1	0.000	0.00E+00	0.00E+00
Ni-64	0	0.000	0.00E+00	0.00E+00
Ni-65	1	0.558	9.96E+00	6.86E+00
Ni-66	1	0.000	0.00E+00	4.65E-04
Ni-67	0	0.045	9.72E-01	5.56E-01
Ni-68	0	2.847	4.50E+01	3.56E+01
Ni-69	0	2.644	4.24E+01	3.30E+01
Ni-69m	0	0.000	0.00E+00	0.00E+00
Ni-70	0	0.305	4.83E+00	3.82E+00

Ni-71	0	0.000	0.00E+00	0.00E+00
Ni-72	0	0.000	0.00E+00	0.00E+00
Ni-73	0	1.082	1.95E+01	1.35E+01
Ni-74	0	0.000	0.00E+00	0.00E+00
Ni-75	0	0.000	0.00E+00	0.00E+00
Ni-76	0	2.220	3.67E+01	2.78E+01
Ni-77	0	0.000	0.00E+00	0.00E+00
Ni-78	0	0.000	0.00E+00	0.00E+00
Cu-52	0	0.000	0.00E+00	0.00E+00
Cu-53	0	0.000	0.00E+00	0.00E+00
Cu-54	0	0.000	0.00E+00	0.00E+00
Cu-55	0	0.000	0.00E+00	0.00E+00
Cu-56	0	0.000	0.00E+00	0.00E+00
Cu-57	0	1.141	2.05E+01	1.43E+01
Cu-58	0	1.575	2.73E+01	1.97E+01
Cu-59	0	1.462	2.55E+01	1.83E+01
Cu-60	1	3.984	5.89E+01	4.84E+01
Cu-61	1	0.823	1.50E+01	1.09E+01
Cu-62	1	1.029	1.86E+01	1.33E+01
Cu-63	0	0.000	0.00E+00	0.00E+00
Cu-64	1	0.192	2.69E+00	2.49E+00
Cu-65	0	0.000	0.00E+00	0.00E+00
Cu-66	1	0.098	1.34E+00	1.17E+00
Cu-67	1	0.115	1.51E+00	1.48E+00
Cu-68	0	1.025	1.86E+01	1.28E+01
Cu-68m	0	1.140	2.05E+01	1.43E+01
Cu-69	0	0.530	9.40E+00	6.62E+00
Cu-70	0	3.492	5.30E+01	4.37E+01
Cu-70m	0	1.515	2.64E+01	1.89E+01
Cu-70n	0	1.310	2.32E+01	1.64E+01
Cu-71	0	0.000	0.00E+00	0.00E+00
Cu-72	0	1.425	2.50E+01	1.78E+01
Cu-73	0	0.304	4.80E+00	3.80E+00
Cu-74	0	2.131	3.55E+01	2.66E+01
Cu-75	0	0.000	0.00E+00	0.00E+00
Cu-76	0	0.000	0.00E+00	0.00E+00
Cu-76m	0	0.000	0.00E+00	0.00E+00
Cu-77	0	0.000	0.00E+00	0.00E+00
Cu-78	0	0.000	0.00E+00	0.00E+00
Cu-79	0	0.000	0.00E+00	0.00E+00
Cu-80	0	0.000	0.00E+00	0.00E+00
Zn-54	0	0.000	0.00E+00	0.00E+00
Zn-55	0	0.000	0.00E+00	0.00E+00
Zn-56	0	0.000	0.00E+00	0.00E+00
Zn-57	0	1.022	1.85E+01	1.28E+01
Zn-58	0	0.277	4.27E+00	3.46E+00
Zn-59	0	1.057	1.91E+01	1.32E+01

Zn-60	0	1.550	2.69E+01	1.94E+01
Zn-61	0	1.543	2.68E+01	1.93E+01
Zn-61m	0	0.000	0.00E+00	0.00E+00
Zn-61n	0	0.000	0.00E+00	0.00E+00
Zn-61p	0	0.000	0.00E+00	0.00E+00
Zn-62	1	0.439	7.57E+00	5.73E+00
Zn-63	1	1.170	2.10E+01	1.45E+01
Zn-64	0	0.000	0.00E+00	0.00E+00
Zn-65	1	0.590	1.06E+01	7.37E+00
Zn-66	0	0.000	0.00E+00	0.00E+00
Zn-67	0	0.000	0.00E+00	0.00E+00
Zn-68	0	0.000	0.00E+00	0.00E+00
Zn-69	1	0.000	0.00E+00	9.56E-03
Zn-69m	1	0.416	7.10E+00	5.49E+00
Zn-70	0	0.000	0.00E+00	0.00E+00
Zn-71	0	0.314	5.01E+00	3.93E+00
Zn-71m	1	1.559	2.70E+01	2.04E+01
Zn-72	1	0.153	2.00E+00	1.88E+00
Zn-73	0	0.105	1.40E+00	1.31E+00
Zn-73m	0	0.000	0.00E+00	0.00E+00
Zn-73n	0	0.000	0.00E+00	0.00E+00
Zn-74	0	0.240	3.56E+00	2.99E+00
Zn-75	0	1.712	2.94E+01	2.14E+01
Zn-76	0	0.523	9.27E+00	6.54E+00
Zn-77	0	1.881	3.19E+01	2.35E+01
Zn-77m	0	0.000	0.00E+00	0.00E+00
Zn-78	0	1.529	2.66E+01	1.91E+01
Zn-79	0	1.755	3.00E+01	2.19E+01
Zn-80	0	1.576	2.73E+01	1.97E+01
Zn-81	0	0.000	0.00E+00	0.00E+00
Zn-82	0	0.000	0.00E+00	0.00E+00
Zn-83	0	0.000	0.00E+00	0.00E+00
Ga-56	0	0.000	0.00E+00	0.00E+00
Ga-57	0	0.000	0.00E+00	0.00E+00
Ga-58	0	0.000	0.00E+00	0.00E+00
Ga-59	0	0.000	0.00E+00	0.00E+00
Ga-60	0	4.442	6.48E+01	5.55E+01
Ga-61	0	1.055	1.91E+01	1.32E+01
Ga-62	0	1.022	1.85E+01	1.28E+01
Ga-63	0	1.379	2.43E+01	1.72E+01
Ga-64	0	3.380	5.16E+01	4.23E+01
Ga-65	1	1.270	2.26E+01	1.55E+01
Ga-66	1	2.460	3.99E+01	2.96E+01
Ga-67	1	0.159	2.10E+00	1.98E+00
Ga-68	1	0.950	1.73E+01	1.25E+01
Ga-69	0	0.000	0.00E+00	0.00E+00
Ga-70	1	0.009	2.04E+00	1.31E-01

Ga-71	0	0.000	0.00E+00	0.00E+00
Ga-72	1	2.708	4.32E+01	3.33E+01
Ga-72m	0	0.000	0.00E+00	0.00E+00
Ga-73	1	0.341	5.55E+00	4.06E+00
Ga-74	0	3.013	4.71E+01	3.77E+01
Ga-74m	0	0.043	1.02E+00	5.38E-01
Ga-75	0	0.000	0.00E+00	0.00E+00
Ga-76	0	2.715	4.33E+01	3.39E+01
Ga-77	0	0.000	0.00E+00	0.00E+00
Ga-78	0	2.502	4.05E+01	3.13E+01
Ga-79	0	2.090	3.49E+01	2.61E+01
Ga-80	0	2.790	4.43E+01	3.49E+01
Ga-81	0	2.080	3.48E+01	2.60E+01
Ga-82	0	0.000	0.00E+00	0.00E+00
Ga-83	0	0.000	0.00E+00	0.00E+00
Ga-84	0	0.000	0.00E+00	0.00E+00
Ga-85	0	0.000	0.00E+00	0.00E+00
Ga-86	0	0.000	0.00E+00	0.00E+00
Ge-58	0	0.000	0.00E+00	0.00E+00
Ge-59	0	0.000	0.00E+00	0.00E+00
Ge-60	0	0.000	0.00E+00	0.00E+00
Ge-61	0	0.000	0.00E+00	0.00E+00
Ge-62	0	0.000	0.00E+00	0.00E+00
Ge-63	0	0.000	0.00E+00	0.00E+00
Ge-64	0	1.385	2.44E+01	1.73E+01
Ge-65	0	1.764	3.02E+01	2.21E+01
Ge-66	1	0.687	1.24E+01	8.92E+00
Ge-67	1	1.406	2.47E+01	1.84E+01
Ge-68	1	0.004	2.92E-05	2.88E-04
Ge-69	1	0.873	1.59E+01	1.12E+01
Ge-70	0	0.000	0.00E+00	0.00E+00
Ge-71	1	0.004	5.13E-05	2.90E-04
Ge-71m	0	0.165	2.21E+00	2.06E+00
Ge-72	0	0.000	0.00E+00	0.00E+00
Ge-73	0	0.000	0.00E+00	0.00E+00
Ge-73m	0	0.000	0.00E+00	0.00E+00
Ge-74	0	0.000	0.00E+00	0.00E+00
Ge-75	1	0.035	1.39E+00	4.58E-01
Ge-75m	0	0.062	7.62E-01	7.73E-01
Ge-76	0	0.000	0.00E+00	0.00E+00
Ge-77	1	1.079	1.95E+01	1.40E+01
Ge-77m	0	0.074	1.21E+00	9.23E-01
Ge-78	1	0.278	4.29E+00	3.61E+00
Ge-79	0	0.260	3.95E+00	3.25E+00
Ge-79m	0	1.198	2.14E+01	1.50E+01
Ge-80	0	0.147	1.91E+00	1.83E+00
Ge-81	0	0.000	0.00E+00	0.00E+00

Ge-81m	0	4.134	6.08E+01	5.17E+01
Ge-82	0	0.000	0.00E+00	0.00E+00
Ge-83	0	0.000	0.00E+00	0.00E+00
Ge-84	0	0.000	0.00E+00	0.00E+00
Ge-85	0	0.000	0.00E+00	0.00E+00
Ge-86	0	0.000	0.00E+00	0.00E+00
Ge-87	0	0.000	0.00E+00	0.00E+00
Ge-88	0	0.000	0.00E+00	0.00E+00
Ge-89	0	0.000	0.00E+00	0.00E+00
As-60	0	0.000	0.00E+00	0.00E+00
As-60m	0	0.000	0.00E+00	0.00E+00
As-61	0	0.000	0.00E+00	0.00E+00
As-62	0	0.000	0.00E+00	0.00E+00
As-63	0	0.000	0.00E+00	0.00E+00
As-64	0	0.000	0.00E+00	0.00E+00
As-65	0	0.000	0.00E+00	0.00E+00
As-66	0	0.000	0.00E+00	0.00E+00
As-67	0	1.473	2.57E+01	1.84E+01
As-68	0	3.699	5.55E+01	4.62E+01
As-69	1	1.013	1.84E+01	1.35E+01
As-70	1	4.073	6.00E+01	5.19E+01
As-71	1	0.574	1.03E+01	7.41E+00
As-72	1	1.794	3.06E+01	2.33E+01
As-73	1	0.016	3.67E+00	7.93E-02
As-74	1	0.759	1.38E+01	9.95E+00
As-75	0	0.000	0.00E+00	0.00E+00
As-75m	0	0.283	4.39E+00	3.54E+00
As-76	1	0.430	7.39E+00	5.65E+00
As-77	1	0.008	1.76E+00	1.19E-01
As-78	1	1.252	2.23E+01	1.60E+01
As-79	0	0.047	9.06E-01	5.90E-01
As-80	0	0.582	1.04E+01	7.28E+00
As-81	0	0.231	3.39E+00	2.88E+00
As-82	0	0.307	4.86E+00	3.84E+00
As-82m	0	2.784	4.42E+01	3.48E+01
As-83	0	1.405	2.47E+01	1.76E+01
As-84	0	2.840	4.49E+01	3.55E+01
As-84m	0	0.000	0.00E+00	0.00E+00
As-85	0	0.309	4.90E+00	3.86E+00
As-86	0	0.000	0.00E+00	0.00E+00
As-87	0	0.000	0.00E+00	0.00E+00
As-88	0	0.000	0.00E+00	0.00E+00
As-89	0	0.000	0.00E+00	0.00E+00
As-90	0	0.000	0.00E+00	0.00E+00
As-91	0	0.000	0.00E+00	0.00E+00
As-92	0	0.000	0.00E+00	0.00E+00
Se-65	0	0.000	0.00E+00	0.00E+00

Se-66	0	0.000	0.00E+00	0.00E+00
Se-67	0	0.000	0.00E+00	0.00E+00
Se-68	0	1.361	2.40E+01	1.70E+01
Se-69	0	1.862	3.16E+01	2.33E+01
Se-70	1	0.995	1.81E+01	1.31E+01
Se-71	0	1.624	2.80E+01	2.03E+01
Se-72	0	0.034	1.44E+00	4.29E-01
Se-73	1	1.087	1.96E+01	1.43E+01
Se-73m	1	0.244	3.64E+00	3.20E+00
Se-74	0	0.000	0.00E+00	0.00E+00
Se-75	1	0.389	6.54E+00	5.02E+00
Se-76	0	0.000	0.00E+00	0.00E+00
Se-77	0	0.000	0.00E+00	0.00E+00
Se-77m	1	0.089	1.28E+00	1.09E+00
Se-78	0	0.000	0.00E+00	0.00E+00
Se-79	1	0.000	0.00E+00	2.76E-04
Se-79m	0	0.014	3.76E+00	1.74E-01
Se-80	0	0.000	0.00E+00	0.00E+00
Se-81	1	0.008	1.49E+00	1.51E-01
Se-81m	1	0.018	3.38E+00	1.78E-01
Se-82	0	0.000	0.00E+00	0.00E+00
Se-83	1	2.429	3.95E+01	3.06E+01
Se-83m	0	0.973	1.77E+01	1.22E+01
Se-84	0	0.408	6.94E+00	5.10E+00
Se-85	0	2.054	3.44E+01	2.57E+01
Se-86	0	2.269	3.74E+01	2.84E+01
Se-87	0	0.662	1.20E+01	8.27E+00
Se-88	0	1.040	1.88E+01	1.30E+01
Se-89	0	0.000	0.00E+00	0.00E+00
Se-90	0	0.000	0.00E+00	0.00E+00
Se-91	0	0.000	0.00E+00	0.00E+00
Se-92	0	0.000	0.00E+00	0.00E+00
Se-93	0	0.000	0.00E+00	0.00E+00
Se-94	0	0.000	0.00E+00	0.00E+00
Br-67	0	0.000	0.00E+00	0.00E+00
Br-68	0	0.000	0.00E+00	0.00E+00
Br-69	0	0.000	0.00E+00	0.00E+00
Br-70	0	1.022	1.85E+01	1.28E+01
Br-70m	0	1.022	1.85E+01	1.28E+01
Br-71	0	1.175	2.10E+01	1.47E+01
Br-72	0	2.973	4.66E+01	3.72E+01
Br-72m	0	0.000	0.00E+00	0.00E+00
Br-73	0	1.474	2.57E+01	1.84E+01
Br-74	1	4.560	6.63E+01	5.38E+01
Br-74m	1	4.095	6.03E+01	5.05E+01
Br-75	1	1.216	2.17E+01	1.60E+01
Br-76	1	2.780	4.41E+01	3.25E+01

Br-76m	0	0.044	1.00E+00	5.44E-01
Br-77	1	0.336	5.45E+00	4.12E+00
Br-77m	0	0.020	3.21E+00	2.44E-01
Br-78	0	0.112	1.47E+00	1.40E+00
Br-79	0	0.000	0.00E+00	0.00E+00
Br-79m	0	0.160	2.12E+00	2.00E+00
Br-80	1	0.080	1.24E+00	1.05E+00
Br-80m	1	0.024	2.65E+00	2.26E-01
Br-81	0	0.000	0.00E+00	0.00E+00
Br-82	1	2.660	4.26E+01	3.40E+01
Br-82m	0	0.003	0.00E+00	3.53E-02
Br-83	1	0.007	4.05E-01	1.08E-01
Br-84	1	1.768	3.02E+01	2.13E+01
Br-84m	0	2.762	4.39E+01	3.45E+01
Br-85	0	0.061	7.60E-01	7.67E-01
Br-86	0	3.306	5.07E+01	4.13E+01
Br-87	0	3.106	4.83E+01	3.88E+01
Br-88	0	0.224	3.28E+00	2.81E+00
Br-89	0	1.588	2.75E+01	1.99E+01
Br-90	0	1.371	2.41E+01	1.71E+01
Br-91	0	0.000	0.00E+00	0.00E+00
Br-92	0	0.949	1.73E+01	1.19E+01
Br-93	0	0.148	1.93E+00	1.85E+00
Br-94	0	0.000	0.00E+00	0.00E+00
Br-95	0	0.000	0.00E+00	0.00E+00
Br-96	0	0.000	0.00E+00	0.00E+00
Br-97	0	0.000	0.00E+00	0.00E+00
Kr-69	0	0.000	0.00E+00	0.00E+00
Kr-70	0	1.022	1.85E+01	1.28E+01
Kr-71	0	1.022	1.85E+01	1.28E+01
Kr-72	0	1.389	2.44E+01	1.74E+01
Kr-73	0	0.356	5.86E+00	4.45E+00
Kr-74	1	1.169	2.09E+01	1.53E+01
Kr-75	0	1.323	2.34E+01	1.65E+01
Kr-76	1	0.426	7.30E+00	5.59E+00
Kr-77	1	1.016	1.84E+01	1.33E+01
Kr-78	0	0.000	0.00E+00	0.00E+00
Kr-79	1	0.257	3.89E+00	3.29E+00
Kr-79m	0	0.041	1.09E+00	5.10E-01
Kr-80	0	0.000	0.00E+00	0.00E+00
Kr-81	1	0.016	3.59E+00	8.19E-02
Kr-81m	1	0.131	1.69E+00	1.65E+00
Kr-82	0	0.000	0.00E+00	0.00E+00
Kr-83	0	0.000	0.00E+00	0.00E+00
Kr-83m	1	0.003	0.00E+00	5.06E-03
Kr-84	0	0.000	0.00E+00	0.00E+00
Kr-85	1	0.002	0.00E+00	3.52E-02

Kr-85m	1	0.157	2.07E+00	2.02E+00
Kr-86	0	0.000	0.00E+00	0.00E+00
Kr-87	1	0.796	1.46E+01	9.75E+00
Kr-88	1	1.955	3.30E+01	2.32E+01
Kr-89	0	1.846	3.14E+01	2.31E+01
Kr-90	0	1.323	2.34E+01	1.65E+01
Kr-91	0	1.731	2.97E+01	2.16E+01
Kr-92	0	1.405	2.47E+01	1.76E+01
Kr-93	0	2.129	3.54E+01	2.66E+01
Kr-94	0	0.000	0.00E+00	0.00E+00
Kr-95	0	0.000	0.00E+00	0.00E+00
Kr-96	0	0.000	0.00E+00	0.00E+00
Kr-97	0	0.000	0.00E+00	0.00E+00
Kr-98	0	0.000	0.00E+00	0.00E+00
Kr-99	0	0.000	0.00E+00	0.00E+00
Kr-100	0	0.000	0.00E+00	0.00E+00
Rb-71	0	0.000	0.00E+00	0.00E+00
Rb-72	0	0.000	0.00E+00	0.00E+00
Rb-73	0	0.000	0.00E+00	0.00E+00
Rb-74	0	1.026	1.86E+01	1.28E+01
Rb-75	0	1.613	2.79E+01	2.02E+01
Rb-76	0	3.351	5.13E+01	4.19E+01
Rb-77	0	1.810	3.08E+01	2.26E+01
Rb-78	0	4.204	6.17E+01	5.25E+01
Rb-78m	0	3.350	5.13E+01	4.19E+01
Rb-79	1	1.440	2.52E+01	1.78E+01
Rb-80	1	1.206	2.15E+01	1.66E+01
Rb-81	1	0.623	1.12E+01	8.09E+00
Rb-81m	1	0.012	3.64E+00	7.23E-02
Rb-82	1	1.090	1.97E+01	1.45E+01
Rb-82m	1	2.770	4.40E+01	3.74E+01
Rb-83	1	0.507	8.95E+00	6.55E+00
Rb-83m	0	0.000	0.00E+00	0.00E+00
Rb-84	1	0.889	1.62E+01	1.19E+01
Rb-84m	0	0.376	6.27E+00	4.70E+00
Rb-85	0	0.000	0.00E+00	0.00E+00
Rb-86	1	0.096	1.33E+00	1.24E+00
Rb-86m	0	0.546	9.73E+00	6.83E+00
Rb-87	1	0.000	0.00E+00	1.17E-03
Rb-88	1	0.637	1.15E+01	7.93E+00
Rb-89	1	2.070	3.46E+01	2.54E+01
Rb-90	0	1.850	3.14E+01	2.31E+01
Rb-90m	0	3.300	5.07E+01	4.13E+01
Rb-91	0	2.340	3.83E+01	2.92E+01
Rb-92	0	1.400	2.46E+01	1.75E+01
Rb-93	0	1.420	2.49E+01	1.78E+01
Rb-94	0	2.740	4.36E+01	3.43E+01

Rb-95	0	0.612	1.10E+01	7.65E+00
Rb-96	0	2.030	3.41E+01	2.54E+01
Rb-96m	0	0.067	7.93E-01	8.43E-01
Rb-97	0	0.563	1.01E+01	7.04E+00
Rb-98	0	1.553	2.69E+01	1.94E+01
Rb-98m	0	1.681	2.89E+01	2.10E+01
Rb-99	0	0.035	1.39E+00	4.38E-01
Rb-100	0	1.430	2.51E+01	1.79E+01
Rb-101	0	0.429	7.37E+00	5.37E+00
Rb-102	0	0.000	0.00E+00	0.00E+00
Sr-73	0	0.000	0.00E+00	0.00E+00
Sr-74	0	0.000	0.00E+00	0.00E+00
Sr-75	0	0.000	0.00E+00	0.00E+00
Sr-76	0	1.751	3.00E+01	2.19E+01
Sr-77	0	1.217	2.17E+01	1.52E+01
Sr-78	0	0.000	0.00E+00	0.00E+00
Sr-79	0	0.176	2.40E+00	2.20E+00
Sr-80	1	0.404	6.85E+00	2.46E-02
Sr-81	1	1.390	2.44E+01	1.82E+01
Sr-82	1	0.008	1.36E+00	2.42E-02
Sr-83	1	0.786	1.44E+01	1.03E+01
Sr-83m	0	0.228	3.33E+00	2.84E+00
Sr-84	0	0.000	0.00E+00	0.00E+00
Sr-85	1	0.518	9.17E+00	6.66E+00
Sr-85m	1	0.216	3.12E+00	2.82E+00
Sr-86	0	0.000	0.00E+00	0.00E+00
Sr-87	0	0.000	0.00E+00	0.00E+00
Sr-87m	1	0.322	5.16E+00	4.20E+00
Sr-88	0	0.000	0.00E+00	0.00E+00
Sr-89	1	0.001	0.00E+00	3.02E-02
Sr-90	1	0.000	0.00E+00	3.78E-03
Sr-91	1	1.048	1.90E+01	9.02E+00
Sr-92	1	1.341	2.37E+01	1.66E+01
Sr-93	0	2.220	3.67E+01	2.78E+01
Sr-94	0	1.427	2.50E+01	1.78E+01
Sr-95	0	1.020	1.85E+01	1.28E+01
Sr-96	0	0.932	1.70E+01	1.16E+01
Sr-97	0	1.860	3.16E+01	2.33E+01
Sr-98	0	0.144	1.87E+00	1.80E+00
Sr-99	0	1.272	2.26E+01	1.59E+01
Sr-100	0	0.516	9.12E+00	6.44E+00
Sr-101	0	0.970	1.76E+01	1.21E+01
Sr-102	0	0.737	1.34E+01	9.21E+00
Sr-103	0	0.000	0.00E+00	0.00E+00
Sr-104	0	0.000	0.00E+00	0.00E+00
Sr-105	0	0.000	0.00E+00	0.00E+00
Y-76	0	0.000	0.00E+00	0.00E+00

Y-77	0	0.000	0.00E+00	0.00E+00
Y-78	0	0.000	0.00E+00	0.00E+00
Y-78m	0	0.000	0.00E+00	0.00E+00
Y-79	0	1.043	1.89E+01	1.30E+01
Y-80	0	2.499	4.05E+01	3.12E+01
Y-80m	0	1.143	2.05E+01	1.43E+01
Y-81	0	1.193	2.13E+01	1.49E+01
Y-82	0	1.056	1.91E+01	1.32E+01
Y-83	0	1.380	2.43E+01	1.73E+01
Y-83m	0	1.400	2.46E+01	1.75E+01
Y-84	0	1.299	2.30E+01	1.62E+01
Y-84m	0	3.786	5.65E+01	4.73E+01
Y-85	0	1.350	2.38E+01	1.69E+01
Y-85m	0	1.350	2.38E+01	1.69E+01
Y-86	1	3.590	5.42E+01	4.52E+01
Y-86m	1	0.220	3.19E+00	2.84E+00
Y-87	1	0.446	7.71E+00	5.94E+00
Y-87m	0	0.307	4.86E+00	3.84E+00
Y-88	1	2.690	4.30E+01	3.29E+01
Y-88m	0	1.045	1.89E+01	1.31E+01
Y-89	0	0.000	0.00E+00	0.00E+00
Y-89m	0	0.901	1.64E+01	1.13E+01
Y-90	1	0.002	0.00E+00	7.09E-02
Y-90m	1	0.634	1.14E+01	8.21E+00
Y-91	1	0.005	9.83E-04	7.65E-02
Y-91m	1	0.528	9.37E+00	6.97E+00
Y-92	1	0.257	3.89E+00	3.37E+00
Y-93	1	0.092	1.30E+00	1.21E+00
Y-93m	0	0.860	1.57E+01	1.08E+01
Y-94	1	0.778	1.42E+01	1.43E+01
Y-95	1	1.291	2.29E+01	1.06E+01
Y-96	0	0.001	0.00E+00	1.23E-02
Y-96m	0	3.970	5.87E+01	4.96E+01
Y-97	0	1.830	3.11E+01	2.29E+01
Y-97m	0	1.800	3.07E+01	2.25E+01
Y-97n	0	2.340	3.83E+01	2.92E+01
Y-98	0	0.907	1.65E+01	1.13E+01
Y-98m	0	3.040	4.75E+01	3.80E+01
Y-99	0	0.818	1.49E+01	1.02E+01
Y-100	0	1.961	3.31E+01	2.45E+01
Y-100m	0	0.607	1.09E+01	7.59E+00
Y-101	0	0.952	1.73E+01	1.19E+01
Y-102	0	0.000	0.00E+00	0.00E+00
Y-102m	0	0.000	0.00E+00	0.00E+00
Y-103	0	0.040	1.11E+00	5.04E-01
Y-104	0	0.000	0.00E+00	0.00E+00
Y-105	0	0.000	0.00E+00	0.00E+00

Y-106	0	0.000	0.00E+00	0.00E+00
Y-107	0	0.000	0.00E+00	0.00E+00
Y-108	0	0.000	0.00E+00	0.00E+00
Zr-78	0	0.000	0.00E+00	0.00E+00
Zr-79	0	0.000	0.00E+00	0.00E+00
Zr-80	0	0.000	0.00E+00	0.00E+00
Zr-81	0	0.000	0.00E+00	0.00E+00
Zr-82	0	0.000	0.00E+00	0.00E+00
Zr-83	0	0.141	1.82E+00	1.76E+00
Zr-84	0	0.000	0.00E+00	0.00E+00
Zr-85	0	1.480	2.58E+01	1.85E+01
Zr-85m	0	1.299	2.30E+01	1.62E+01
Zr-86	1	0.294	4.60E+00	3.58E+00
Zr-87	0	0.941	1.71E+01	1.18E+01
Zr-87m	0	0.237	3.52E+00	2.97E+00
Zr-88	1	0.392	6.60E+00	5.21E+00
Zr-89	1	1.160	2.08E+01	1.51E+01
Zr-89m	0	0.633	1.14E+01	7.91E+00
Zr-90	0	0.000	0.00E+00	0.00E+00
Zr-90m	0	2.020	3.39E+01	2.53E+01
Zr-91	0	0.000	0.00E+00	0.00E+00
Zr-92	0	0.000	0.00E+00	0.00E+00
Zr-93	1	0.002	0.00E+00	0.00E+00
Zr-94	0	0.000	0.00E+00	0.00E+00
Zr-95	1	0.733	1.33E+01	9.63E+00
Zr-96	0	0.000	0.00E+00	0.00E+00
Zr-97	1	0.180	2.47E+00	2.32E+00
Zr-98	0	0.002	0.00E+00	2.37E-02
Zr-99	0	0.860	1.57E+01	1.08E+01
Zr-100	0	0.259	3.93E+00	3.24E+00
Zr-101	0	0.556	9.93E+00	6.95E+00
Zr-102	0	0.237	3.52E+00	2.97E+00
Zr-103	0	0.000	0.00E+00	0.00E+00
Zr-104	0	0.044	9.87E-01	5.50E-01
Zr-105	0	0.000	0.00E+00	0.00E+00
Zr-106	0	0.000	0.00E+00	0.00E+00
Zr-107	0	0.000	0.00E+00	0.00E+00
Zr-108	0	0.000	0.00E+00	0.00E+00
Zr-109	0	0.000	0.00E+00	0.00E+00
Zr-110	0	0.000	0.00E+00	0.00E+00
Nb-81	0	0.000	0.00E+00	0.00E+00
Nb-82	0	1.022	1.85E+01	1.28E+01
Nb-83	0	0.000	0.00E+00	0.00E+00
Nb-84	0	0.706	1.28E+01	8.82E+00
Nb-85	0	0.000	0.00E+00	0.00E+00
Nb-85m	0	0.000	0.00E+00	0.00E+00
Nb-86	0	0.000	0.00E+00	0.00E+00

Nb-86m	0	0.000	0.00E+00	0.00E+00
Nb-87	0	1.240	2.21E+01	1.55E+01
Nb-87m	0	1.891	3.20E+01	2.36E+01
Nb-88	1	4.126	6.07E+01	5.34E+01
Nb-88m	0	3.790	5.66E+01	4.74E+01
Nb-89	1	1.397	2.45E+01	1.76E+01
Nb-89m	1	1.325	2.34E+01	2.53E+01
Nb-90	1	4.200	6.16E+01	5.11E+01
Nb-90m	0	0.082	1.25E+00	1.03E+00
Nb-90n	0	0.000	0.00E+00	0.00E+00
Nb-91	0	0.012	3.67E+00	1.55E-01
Nb-91m	0	0.051	8.37E-01	6.37E-01
Nb-92	0	1.510	2.63E+01	1.89E+01
Nb-92m	0	0.969	1.76E+01	1.21E+01
Nb-93	0	0.000	0.00E+00	0.00E+00
Nb-93m	1	0.002	0.00E+00	1.25E-02
Nb-94	1	1.572	2.72E+01	2.04E+01
Nb-94m	0	0.012	3.55E+00	1.46E-01
Nb-95	1	0.765	1.39E+01	9.96E+00
Nb-95m	1	0.071	1.20E+00	8.34E-01
Nb-96	1	2.460	3.99E+01	3.18E+01
Nb-97	1	0.667	1.21E+01	8.59E+00
Nb-97m	1	0.728	1.32E+01	9.48E+00
Nb-98	1	0.511	9.03E+00	3.10E+01
Nb-98m	0	2.711	4.33E+01	3.39E+01
Nb-99	0	0.168	2.26E+00	2.10E+00
Nb-99m	0	0.755	1.38E+01	9.44E+00
Nb-100	0	0.712	1.29E+01	8.90E+00
Nb-100m	0	2.223	3.67E+01	2.78E+01
Nb-101	0	0.270	4.14E+00	3.38E+00
Nb-102	0	0.000	0.00E+00	0.00E+00
Nb-102m	0	2.092	3.49E+01	2.61E+01
Nb-103	0	0.000	0.00E+00	0.00E+00
Nb-104	0	0.000	0.00E+00	0.00E+00
Nb-104m	0	0.000	0.00E+00	0.00E+00
Nb-105	0	0.000	0.00E+00	0.00E+00
Nb-106	0	1.000	1.82E+01	1.25E+01
Nb-107	0	0.000	0.00E+00	0.00E+00
Nb-108	0	0.620	1.12E+01	7.75E+00
Nb-109	0	0.000	0.00E+00	0.00E+00
Nb-110	0	0.000	0.00E+00	0.00E+00
Nb-111	0	0.000	0.00E+00	0.00E+00
Nb-112	0	0.000	0.00E+00	0.00E+00
Nb-113	0	0.000	0.00E+00	0.00E+00
Mo-83	0	0.000	0.00E+00	0.00E+00
Mo-84	0	0.000	0.00E+00	0.00E+00
Mo-85	0	0.000	0.00E+00	0.00E+00

Mo-86	0	0.000	0.00E+00	0.00E+00
Mo-87	0	0.237	3.52E+00	2.97E+00
Mo-88	0	0.000	0.00E+00	0.00E+00
Mo-89	0	1.250	2.22E+01	1.56E+01
Mo-89m	0	0.319	5.11E+00	3.99E+00
Mo-90	1	0.838	1.53E+01	1.06E+01
Mo-91	0	0.986	1.79E+01	1.23E+01
Mo-91m	0	1.390	2.44E+01	1.74E+01
Mo-92	0	0.000	0.00E+00	0.00E+00
Mo-93	1	0.013	3.69E+00	7.11E-02
Mo-93m	1	2.312	3.80E+01	2.82E+01
Mo-94	0	0.000	0.00E+00	0.00E+00
Mo-95	0	0.000	0.00E+00	0.00E+00
Mo-96	0	0.000	0.00E+00	0.00E+00
Mo-97	0	0.000	0.00E+00	0.00E+00
Mo-98	0	0.000	0.00E+00	0.00E+00
Mo-99	1	0.145	1.88E+00	1.96E+00
Mo-100	0	0.000	0.00E+00	0.00E+00
Mo-101	1	1.510	2.63E+01	1.72E+01
Mo-102	0	0.019	3.30E+00	2.36E-01
Mo-103	0	0.000	0.00E+00	0.00E+00
Mo-104	0	0.147	1.91E+00	1.84E+00
Mo-105	0	0.551	9.82E+00	6.89E+00
Mo-106	0	0.000	0.00E+00	0.00E+00
Mo-107	0	0.000	0.00E+00	0.00E+00
Mo-108	0	0.310	4.93E+00	3.88E+00
Mo-109	0	0.000	0.00E+00	0.00E+00
Mo-110	0	0.247	3.70E+00	3.09E+00
Mo-111	0	0.000	0.00E+00	0.00E+00
Mo-112	0	0.000	0.00E+00	0.00E+00
Mo-113	0	0.000	0.00E+00	0.00E+00
Mo-114	0	0.000	0.00E+00	0.00E+00
Mo-115	0	0.000	0.00E+00	0.00E+00
Tc-85	0	0.000	0.00E+00	0.00E+00
Tc-86	0	0.000	0.00E+00	0.00E+00
Tc-87	0	0.000	0.00E+00	0.00E+00
Tc-87m	0	0.000	0.00E+00	0.00E+00
Tc-88	0	2.078	3.47E+01	2.60E+01
Tc-88m	0	3.515	5.33E+01	4.39E+01
Tc-89	0	0.000	0.00E+00	0.00E+00
Tc-89m	0	0.000	0.00E+00	0.00E+00
Tc-90	0	0.740	1.35E+01	9.25E+00
Tc-90m	0	3.100	4.82E+01	3.88E+01
Tc-91	0	2.480	4.02E+01	3.10E+01
Tc-91m	0	1.940	3.28E+01	2.43E+01
Tc-92	0	3.920	5.81E+01	4.90E+01
Tc-93	1	1.580	2.74E+01	1.80E+01

Tc-93m	1	0.774	1.41E+01	8.63E+00
Tc-94	1	2.670	4.27E+01	3.45E+01
Tc-94m	1	1.950	3.29E+01	2.38E+01
Tc-95	1	0.798	1.46E+01	1.03E+01
Tc-95m	1	0.719	1.30E+01	8.70E+00
Tc-96	1	2.510	4.06E+01	3.24E+01
Tc-96m	1	0.048	8.80E-01	6.29E-01
Tc-97	1	0.012	3.56E+00	8.63E-02
Tc-97m	1	0.009	2.56E+00	8.23E-02
Tc-98	1	1.390	2.44E+01	1.84E+01
Tc-99	1	0.000	0.00E+00	1.04E-03
Tc-99m	1	0.124	1.60E+00	1.61E+00
Tc-100	0	0.086	1.27E+00	1.08E+00
Tc-101	1	0.339	5.51E+00	4.37E+00
Tc-102	0	0.079	1.23E+00	9.82E-01
Tc-102m	0	2.490	4.03E+01	3.11E+01
Tc-103	0	0.249	3.73E+00	3.11E+00
Tc-104	1	2.000	3.36E+01	2.46E+01
Tc-105	0	0.539	9.59E+00	6.74E+00
Tc-106	0	2.187	3.62E+01	2.73E+01
Tc-107	0	0.521	9.23E+00	6.51E+00
Tc-108	0	0.901	1.64E+01	1.13E+01
Tc-109	0	0.000	0.00E+00	0.00E+00
Tc-110	0	0.000	0.00E+00	0.00E+00
Tc-111	0	0.405	6.88E+00	5.07E+00
Tc-112	0	0.000	0.00E+00	0.00E+00
Tc-113	0	0.000	0.00E+00	0.00E+00
Tc-114	0	0.000	0.00E+00	0.00E+00
Tc-115	0	0.000	0.00E+00	0.00E+00
Tc-116	0	0.000	0.00E+00	0.00E+00
Tc-117	0	0.000	0.00E+00	0.00E+00
Tc-118	0	0.000	0.00E+00	0.00E+00
Ru-87	0	0.000	0.00E+00	0.00E+00
Ru-88	0	0.000	0.00E+00	0.00E+00
Ru-89	0	0.000	0.00E+00	0.00E+00
Ru-90	0	0.000	0.00E+00	0.00E+00
Ru-91	0	0.000	0.00E+00	0.00E+00
Ru-91m	0	0.000	0.00E+00	0.00E+00
Ru-92	0	1.970	3.32E+01	2.46E+01
Ru-93	0	0.159	2.11E+00	1.99E+00
Ru-93m	0	1.130	2.03E+01	1.41E+01
Ru-94	1	0.520	9.21E+00	6.90E+00
Ru-95	0	1.240	2.21E+01	1.55E+01
Ru-96	0	0.000	0.00E+00	0.00E+00
Ru-97	1	0.241	3.58E+00	3.04E+00
Ru-98	0	0.000	0.00E+00	0.00E+00
Ru-99	0	0.000	0.00E+00	0.00E+00

Ru-100	0	0.000	0.00E+00	0.00E+00
Ru-101	0	0.000	0.00E+00	0.00E+00
Ru-102	0	0.000	0.00E+00	0.00E+00
Ru-103	1	0.485	8.51E+00	6.17E+00
Ru-103m	0	0.214	3.09E+00	2.68E+00
Ru-104	0	0.000	0.00E+00	0.00E+00
Ru-105	1	0.738	1.34E+01	1.02E+01
Ru-106	1	0.000	0.00E+00	0.00E+00
Ru-107	0	0.206	2.94E+00	2.58E+00
Ru-108	0	0.061	7.59E-01	7.63E-01
Ru-109	0	1.660	2.86E+01	2.08E+01
Ru-110	0	0.035	1.41E+00	4.34E-01
Ru-111	0	0.865	1.58E+01	1.08E+01
Ru-112	0	0.198	2.79E+00	2.47E+00
Ru-113	0	1.489	2.60E+01	1.86E+01
Ru-113m	0	1.690	2.90E+01	2.11E+01
Ru-114	0	0.066	7.86E-01	8.30E-01
Ru-115	0	0.000	0.00E+00	0.00E+00
Ru-116	0	0.000	0.00E+00	0.00E+00
Ru-117	0	0.000	0.00E+00	0.00E+00
Ru-118	0	0.000	0.00E+00	0.00E+00
Ru-119	0	0.000	0.00E+00	0.00E+00
Ru-120	0	0.000	0.00E+00	0.00E+00
Rh-89	0	0.000	0.00E+00	0.00E+00
Rh-90	0	0.000	0.00E+00	0.00E+00
Rh-90m	0	0.000	0.00E+00	0.00E+00
Rh-91	0	0.000	0.00E+00	0.00E+00
Rh-92	0	2.832	4.48E+01	3.54E+01
Rh-93	0	0.000	0.00E+00	0.00E+00
Rh-94	0	2.710	4.32E+01	3.39E+01
Rh-94m	0	2.870	4.53E+01	3.59E+01
Rh-95	0	2.470	4.01E+01	3.09E+01
Rh-95m	0	0.882	1.61E+01	1.10E+01
Rh-96	0	3.980	5.88E+01	4.98E+01
Rh-96m	0	1.210	2.16E+01	1.51E+01
Rh-97	0	1.344	2.37E+01	1.68E+01
Rh-97m	0	1.910	3.23E+01	2.39E+01
Rh-98	0	1.760	3.01E+01	2.20E+01
Rh-98m	0	2.310	3.79E+01	2.89E+01
Rh-99	1	0.571	1.02E+01	7.83E+00
Rh-99m	1	0.627	1.13E+01	8.79E+00
Rh-100	1	2.760	4.39E+01	3.38E+01
Rh-100m	0	0.243	3.63E+00	3.04E+00
Rh-101	1	0.300	4.72E+00	3.40E+00
Rh-101m	1	0.304	4.80E+00	3.94E+00
Rh-102	1	2.158	3.58E+01	2.77E+01
Rh-102m	1	0.502	8.85E+00	6.34E+00

Rh-103	0	0.000	0.00E+00	0.00E+00
Rh-103m	1	0.002	0.00E+00	1.67E-02
Rh-104	0	0.015	3.71E+00	1.90E-01
Rh-104m	0	0.044	9.89E-01	5.49E-01
Rh-105	1	0.077	1.22E+00	1.01E+00
Rh-105m	0	0.034	1.43E+00	4.31E-01
Rh-106	1	0.210	3.01E+00	2.82E+00
Rh-106m	1	2.880	4.54E+01	3.73E+01
Rh-107	1	0.313	4.97E+00	4.09E+00
Rh-108	0	0.325	5.23E+00	4.06E+00
Rh-108m	0	2.260	3.72E+01	2.83E+01
Rh-109	0	0.314	5.00E+00	3.93E+00
Rh-110	0	2.590	4.17E+01	3.24E+01
Rh-110m	0	0.227	3.32E+00	2.84E+00
Rh-111	0	0.000	0.00E+00	0.00E+00
Rh-112	0	0.189	2.63E+00	2.36E+00
Rh-112m	0	2.253	3.71E+01	2.82E+01
Rh-113	0	0.261	3.96E+00	3.26E+00
Rh-114	0	0.407	6.92E+00	5.09E+00
Rh-114m	0	0.000	0.00E+00	0.00E+00
Rh-115	0	0.000	0.00E+00	0.00E+00
Rh-116	0	0.736	1.34E+01	9.20E+00
Rh-116m	0	2.167	3.60E+01	2.71E+01
Rh-117	0	0.074	1.21E+00	9.31E-01
Rh-118	0	0.000	0.00E+00	0.00E+00
Rh-119	0	0.000	0.00E+00	0.00E+00
Rh-120	0	0.000	0.00E+00	0.00E+00
Rh-121	0	0.000	0.00E+00	0.00E+00
Rh-122	0	0.000	0.00E+00	0.00E+00
Pd-91	0	0.000	0.00E+00	0.00E+00
Pd-92	0	0.000	0.00E+00	0.00E+00
Pd-93	0	0.000	0.00E+00	0.00E+00
Pd-94	0	0.000	0.00E+00	0.00E+00
Pd-95	0	0.000	0.00E+00	0.00E+00
Pd-95m	0	3.307	5.07E+01	4.13E+01
Pd-96	0	2.080	3.48E+01	2.60E+01
Pd-97	0	1.550	2.69E+01	1.94E+01
Pd-98	0	0.452	7.84E+00	5.65E+00
Pd-99	0	1.340	2.37E+01	1.68E+01
Pd-100	1	0.123	1.59E+00	1.60E+00
Pd-101	1	0.353	5.80E+00	4.29E+00
Pd-102	0	0.000	0.00E+00	0.00E+00
Pd-103	1	0.016	3.62E+00	1.45E-01
Pd-104	0	0.000	0.00E+00	0.00E+00
Pd-105	0	0.000	0.00E+00	0.00E+00
Pd-106	0	0.000	0.00E+00	0.00E+00
Pd-107	1	0.000	0.00E+00	0.00E+00

Pd-107m	0	0.152	1.99E+00	1.90E+00
Pd-108	0	0.000	0.00E+00	0.00E+00
Pd-109	1	0.012	3.63E+00	1.49E-01
Pd-109m	0	0.112	1.47E+00	1.40E+00
Pd-110	0	0.000	0.00E+00	0.00E+00
Pd-111	0	0.047	9.18E-01	5.84E-01
Pd-111m	0	0.359	5.92E+00	4.49E+00
Pd-112	0	0.005	1.60E-02	6.41E-02
Pd-113	0	0.125	1.61E+00	1.56E+00
Pd-113m	0	0.014	3.76E+00	1.79E-01
Pd-114	0	0.015	3.73E+00	1.86E-01
Pd-115	0	0.137	1.77E+00	1.71E+00
Pd-115m	0	0.070	1.19E+00	8.74E-01
Pd-116	0	0.152	1.99E+00	1.90E+00
Pd-117	0	0.000	0.00E+00	0.00E+00
Pd-117m	0	0.131	1.68E+00	1.63E+00
Pd-118	0	0.423	7.25E+00	5.29E+00
Pd-119	0	0.000	0.00E+00	0.00E+00
Pd-120	0	0.465	8.09E+00	5.81E+00
Pd-121	0	0.000	0.00E+00	0.00E+00
Pd-122	0	0.000	0.00E+00	0.00E+00
Pd-123	0	0.000	0.00E+00	0.00E+00
Pd-124	0	0.000	0.00E+00	0.00E+00
Ag-93	0	0.000	0.00E+00	0.00E+00
Ag-94	0	0.000	0.00E+00	0.00E+00
Ag-94m	0	0.000	0.00E+00	0.00E+00
Ag-94n	0	0.000	0.00E+00	0.00E+00
Ag-95	0	0.000	0.00E+00	0.00E+00
Ag-95m	0	0.000	0.00E+00	0.00E+00
Ag-95n	0	0.000	0.00E+00	0.00E+00
Ag-95p	0	0.000	0.00E+00	0.00E+00
Ag-96	0	2.209	3.65E+01	2.76E+01
Ag-96m	0	0.000	0.00E+00	0.00E+00
Ag-97	0	3.138	4.87E+01	3.92E+01
Ag-98	0	2.380	3.89E+01	2.98E+01
Ag-99	0	1.400	2.46E+01	1.75E+01
Ag-99m	0	0.411	6.99E+00	5.14E+00
Ag-100	0	2.500	4.05E+01	3.13E+01
Ag-100m	0	1.770	3.02E+01	2.21E+01
Ag-101	0	1.530	2.66E+01	1.91E+01
Ag-101m	0	0.156	2.05E+00	1.95E+00
Ag-102	1	3.410	5.20E+01	4.24E+01
Ag-102m	0	1.650	2.84E+01	2.06E+01
Ag-103	1	0.851	1.55E+01	9.87E+00
Ag-103m	0	0.038	1.24E+00	4.70E-01
Ag-104	1	2.720	4.34E+01	3.44E+01
Ag-104m	1	1.253	2.23E+01	1.49E+01

Ag-105	1	0.509	8.99E+00	6.81E+00
Ag-105m	0	0.006	9.72E-02	7.16E-02
Ag-106	1	0.706	1.28E+01	9.38E+00
Ag-106m	1	2.870	4.53E+01	3.62E+01
Ag-107	0	0.000	0.00E+00	0.00E+00
Ag-107m	0	0.013	3.70E+00	1.57E-01
Ag-108	1	0.020	3.22E+00	2.65E-01
Ag-108m	1	1.680	2.89E+01	2.13E+01
Ag-109	0	0.000	0.00E+00	0.00E+00
Ag-109m	1	0.011	3.35E+00	1.29E-01
Ag-110	1	0.034	1.47E+00	5.09E-01
Ag-110m	1	2.740	4.36E+01	3.53E+01
Ag-111	1	0.027	2.26E+00	3.56E-01
Ag-111m	0	0.007	1.08E+00	9.35E-02
Ag-112	1	0.695	1.26E+01	8.43E+00
Ag-113	0	0.073	1.21E+00	9.17E-01
Ag-113m	0	0.123	1.59E+00	1.54E+00
Ag-114	0	0.107	1.42E+00	1.34E+00
Ag-114m	0	0.000	0.00E+00	0.00E+00
Ag-115	1	0.488	8.57E+00	8.80E+00
Ag-115m	0	0.000	0.00E+00	4.12E-03
Ag-116	0	2.150	3.57E+01	2.69E+01
Ag-116m	0	1.810	3.08E+01	2.26E+01
Ag-117	0	1.310	2.32E+01	1.64E+01
Ag-117m	0	0.753	1.37E+01	9.41E+00
Ag-118	0	2.060	3.45E+01	2.58E+01
Ag-118m	0	1.240	2.21E+01	1.55E+01
Ag-119	0	0.000	0.00E+00	0.00E+00
Ag-119m	0	1.340	2.37E+01	1.68E+01
Ag-120	0	0.778	1.42E+01	9.73E+00
Ag-120m	0	1.250	2.22E+01	1.56E+01
Ag-121	0	1.167	2.09E+01	1.46E+01
Ag-122	0	1.120	2.01E+01	1.40E+01
Ag-122m	0	0.000	0.00E+00	0.00E+00
Ag-123	0	0.846	1.54E+01	1.06E+01
Ag-124	0	0.000	0.00E+00	0.00E+00
Ag-124m	0	0.000	0.00E+00	0.00E+00
Ag-125	0	0.000	0.00E+00	0.00E+00
Ag-126	0	0.000	0.00E+00	0.00E+00
Ag-127	0	0.000	0.00E+00	0.00E+00
Ag-128	0	0.000	0.00E+00	0.00E+00
Ag-129	0	0.000	0.00E+00	0.00E+00
Ag-130	0	0.000	0.00E+00	0.00E+00
Cd-95	0	0.000	0.00E+00	0.00E+00
Cd-96	0	0.000	0.00E+00	0.00E+00
Cd-97	0	0.000	0.00E+00	0.00E+00
Cd-98	0	2.676	4.28E+01	3.35E+01

Cd-99	0	0.000	0.00E+00	0.00E+00
Cd-100	0	2.099	3.50E+01	2.62E+01
Cd-101	0	1.700	2.92E+01	2.13E+01
Cd-102	0	0.954	1.73E+01	1.19E+01
Cd-103	0	2.100	3.50E+01	2.62E+01
Cd-104	1	0.259	3.93E+00	3.33E+00
Cd-105	0	1.250	2.22E+01	1.56E+01
Cd-106	0	0.000	0.00E+00	0.00E+00
Cd-107	1	0.034	1.46E+00	3.97E-01
Cd-108	0	0.000	0.00E+00	0.00E+00
Cd-109	1	0.027	2.32E+00	3.00E-01
Cd-110	0	0.000	0.00E+00	0.00E+00
Cd-111	0	0.000	0.00E+00	0.00E+00
Cd-111m	0	0.285	4.42E+00	3.56E+00
Cd-112	0	0.000	0.00E+00	0.00E+00
Cd-113	1	0.000	0.00E+00	9.31E-04
Cd-113m	1	0.000	0.00E+00	3.50E-03
Cd-114	0	0.000	0.00E+00	0.00E+00
Cd-115	1	0.202	2.86E+00	3.08E+00
Cd-115m	1	0.034	1.47E+00	3.12E-01
Cd-116	0	0.000	0.00E+00	0.00E+00
Cd-117	1	1.090	1.97E+01	1.37E+01
Cd-117m	1	2.040	3.42E+01	2.50E+01
Cd-118	0	0.000	0.00E+00	2.38E-03
Cd-119	0	1.780	3.04E+01	2.23E+01
Cd-119m	0	2.390	3.90E+01	2.99E+01
Cd-120	0	0.001	0.00E+00	1.58E-02
Cd-121	0	1.663	2.86E+01	2.08E+01
Cd-121m	0	2.125	3.54E+01	2.66E+01
Cd-122	0	0.000	0.00E+00	0.00E+00
Cd-123	0	1.883	3.19E+01	2.35E+01
Cd-123m	0	2.360	3.86E+01	2.95E+01
Cd-124	0	0.136	1.76E+00	1.70E+00
Cd-125	0	1.862	3.16E+01	2.33E+01
Cd-125m	0	2.331	3.82E+01	2.91E+01
Cd-126	0	0.558	9.96E+00	6.98E+00
Cd-127	0	0.417	7.11E+00	5.21E+00
Cd-128	0	1.042	1.89E+01	1.30E+01
Cd-129	0	0.000	0.00E+00	0.00E+00
Cd-129m	0	0.000	0.00E+00	0.00E+00
Cd-130	0	0.000	0.00E+00	0.00E+00
Cd-131	0	0.000	0.00E+00	0.00E+00
Cd-132	0	0.000	0.00E+00	0.00E+00
In-97	0	0.000	0.00E+00	0.00E+00
In-98	0	0.000	0.00E+00	0.00E+00
In-98m	0	0.000	0.00E+00	0.00E+00
In-99	0	0.000	0.00E+00	0.00E+00

In-99m	0	0.000	0.00E+00	0.00E+00
In-100	0	3.233	4.98E+01	4.04E+01
In-101	0	0.000	0.00E+00	0.00E+00
In-101m	0	0.000	0.00E+00	0.00E+00
In-102	0	3.277	5.04E+01	4.10E+01
In-103	0	2.556	4.12E+01	3.20E+01
In-103m	0	0.000	0.00E+00	0.00E+00
In-104	0	3.170	4.91E+01	3.96E+01
In-104m	0	0.000	0.00E+00	0.00E+00
In-105	0	0.636	1.15E+01	7.95E+00
In-105m	0	0.635	1.14E+01	7.94E+00
In-106	0	2.670	4.27E+01	3.34E+01
In-106m	0	2.940	4.62E+01	3.68E+01
In-107	0	1.550	2.69E+01	1.94E+01
In-107m	0	0.641	1.16E+01	8.01E+00
In-108	0	3.214	4.96E+01	4.02E+01
In-108m	0	2.759	4.39E+01	3.45E+01
In-109	1	0.672	1.21E+01	8.60E+00
In-109m	0	0.610	1.10E+01	7.63E+00
In-109n	0	2.086	3.48E+01	2.61E+01
In-110	1	3.100	4.82E+01	3.94E+01
In-110m	1	1.570	2.72E+01	2.01E+01
In-111	1	0.406	6.89E+00	5.19E+00
In-111m	0	0.469	8.18E+00	5.86E+00
In-112	1	0.257	3.89E+00	3.52E+00
In-112m	0	0.034	1.45E+00	4.28E-01
In-113	0	0.000	0.00E+00	0.00E+00
In-113m	1	0.255	3.85E+00	3.38E+00
In-114	1	0.004	0.00E+00	3.60E-02
In-114m	1	0.094	1.31E+00	1.22E+00
In-114n	0	0.308	4.89E+00	3.86E+00
In-115	1	0.000	0.00E+00	2.41E-03
In-115m	1	0.162	2.16E+00	2.10E+00
In-116	0	0.023	2.72E+00	2.92E-01
In-116m	1	2.470	4.01E+01	3.09E+01
In-116n	0	0.063	7.65E-01	7.83E-01
In-117	1	0.692	1.25E+01	9.04E+00
In-117m	1	0.091	1.29E+00	1.19E+00
In-118	0	0.082	1.25E+00	1.02E+00
In-118m	0	2.764	4.39E+01	3.46E+01
In-118n	0	0.037	1.25E+00	4.67E-01
In-119	1	0.770	1.41E+01	1.00E+01
In-119m	1	0.009	2.56E+00	2.25E-01
In-120	0	0.355	5.84E+00	4.44E+00
In-120m	0	2.980	4.67E+01	3.73E+01
In-120n	0	3.448	5.25E+01	4.31E+01
In-121	0	0.929	1.69E+01	1.16E+01

In-121m	0	0.068	7.99E-01	8.55E-01
In-122	0	0.629	1.13E+01	7.86E+00
In-122m	0	3.610	5.44E+01	4.51E+01
In-122n	0	3.130	4.86E+01	3.91E+01
In-123	0	1.110	2.00E+01	1.39E+01
In-123m	0	0.073	1.21E+00	9.11E-01
In-124	0	2.660	4.26E+01	3.33E+01
In-124m	0	3.540	5.36E+01	4.43E+01
In-125	0	1.290	2.29E+01	1.61E+01
In-125m	0	0.099	1.35E+00	1.24E+00
In-126	0	4.320	6.32E+01	5.40E+01
In-126m	0	2.810	4.45E+01	3.51E+01
In-127	0	1.770	3.02E+01	2.21E+01
In-127m	0	0.512	9.05E+00	6.40E+00
In-128	0	3.080	4.80E+01	3.85E+01
In-128m	0	1.580	2.74E+01	1.98E+01
In-128n	0	3.403	5.19E+01	4.25E+01
In-129	0	2.180	3.61E+01	2.73E+01
In-129m	0	0.361	5.97E+00	4.52E+00
In-130	0	3.434	5.23E+01	4.29E+01
In-130m	0	4.991	7.19E+01	6.24E+01
In-130n	0	0.000	0.00E+00	0.00E+00
In-131	0	2.613	4.20E+01	3.27E+01
In-131m	0	0.025	2.56E+00	3.10E-01
In-131n	0	5.332	7.62E+01	6.66E+01
In-132	0	4.041	5.96E+01	5.05E+01
In-133	0	0.012	3.50E+00	1.44E-01
In-133m	0	0.000	0.00E+00	0.00E+00
In-134	0	0.179	2.46E+00	2.24E+00
In-135	0	0.000	0.00E+00	0.00E+00
Sn-99	0	0.000	0.00E+00	0.00E+00
Sn-100	0	0.000	0.00E+00	0.00E+00
Sn-101	0	0.000	0.00E+00	0.00E+00
Sn-102	0	0.000	0.00E+00	0.00E+00
Sn-103	0	0.000	0.00E+00	0.00E+00
Sn-104	0	2.487	4.03E+01	3.11E+01
Sn-105	0	3.300	5.07E+01	4.13E+01
Sn-106	0	1.190	2.13E+01	1.49E+01
Sn-107	0	0.000	0.00E+00	0.00E+00
Sn-108	0	0.642	1.16E+01	8.03E+00
Sn-109	0	2.320	3.81E+01	2.90E+01
Sn-110	1	0.293	4.58E+00	3.90E+00
Sn-111	1	0.505	8.91E+00	6.55E+00
Sn-112	0	0.000	0.00E+00	0.00E+00
Sn-113	1	0.029	1.95E+00	2.84E-01
Sn-113m	0	0.014	3.76E+00	1.69E-01
Sn-114	0	0.000	0.00E+00	0.00E+00

Sn-115	0	0.000	0.00E+00	0.00E+00
Sn-116	0	0.000	0.00E+00	0.00E+00
Sn-117	0	0.000	0.00E+00	0.00E+00
Sn-117m	1	0.158	2.09E+00	2.01E+00
Sn-118	0	0.000	0.00E+00	0.00E+00
Sn-119	0	0.000	0.00E+00	0.00E+00
Sn-119m	1	0.011	3.47E+00	1.39E-01
Sn-120	0	0.000	0.00E+00	0.00E+00
Sn-121	1	0.000	0.00E+00	1.40E-03
Sn-121m	1	0.005	1.03E-02	6.51E-02
Sn-122	0	0.000	0.00E+00	0.00E+00
Sn-123	1	0.008	1.22E+00	1.11E-01
Sn-123m	1	0.142	1.84E+00	1.80E+00
Sn-124	0	0.000	0.00E+00	0.00E+00
Sn-125	1	0.314	5.00E+00	4.01E+00
Sn-125m	0	0.348	5.70E+00	4.35E+00
Sn-126	1	0.057	7.68E-01	7.29E-01
Sn-127	1	1.860	3.16E+01	2.40E+01
Sn-127m	0	0.440	7.59E+00	5.50E+00
Sn-128	1	0.602	1.08E+01	8.75E+00
Sn-128m	0	2.011	3.38E+01	2.51E+01
Sn-129	0	1.008	1.83E+01	1.26E+01
Sn-129m	0	0.000	0.00E+00	0.00E+00
Sn-130	0	0.965	1.75E+01	1.21E+01
Sn-130m	0	0.793	1.45E+01	9.91E+00
Sn-131	0	0.000	0.00E+00	0.00E+00
Sn-131m	0	0.000	0.00E+00	0.00E+00
Sn-132	0	1.280	2.27E+01	1.60E+01
Sn-133	0	0.272	4.19E+00	3.40E+00
Sn-134	0	0.088	1.28E+00	1.10E+00
Sn-135	0	0.584	1.05E+01	7.30E+00
Sn-136	0	0.000	0.00E+00	0.00E+00
Sn-137	0	0.000	0.00E+00	0.00E+00
Sb-103	0	0.000	0.00E+00	0.00E+00
Sb-104	0	0.000	0.00E+00	0.00E+00
Sb-105	0	0.000	0.00E+00	0.00E+00
Sb-106	0	0.000	0.00E+00	0.00E+00
Sb-107	0	1.839	3.13E+01	2.30E+01
Sb-108	0	0.000	0.00E+00	0.00E+00
Sb-109	0	2.880	4.54E+01	3.60E+01
Sb-110	0	3.770	5.63E+01	4.71E+01
Sb-111	0	1.580	2.74E+01	1.98E+01
Sb-112	0	2.863	4.52E+01	3.58E+01
Sb-113	0	1.270	2.26E+01	1.59E+01
Sb-114	0	2.680	4.28E+01	3.35E+01
Sb-115	1	0.887	1.62E+01	1.19E+01
Sb-116	1	2.230	3.68E+01	2.70E+01

Sb-116m	1	3.210	4.96E+01	4.01E+01
Sb-117	1	0.186	2.58E+00	2.36E+00
Sb-118	0	0.812	1.48E+01	1.01E+01
Sb-118m	1	2.580	4.15E+01	3.28E+01
Sb-119	1	0.023	2.73E+00	2.89E-01
Sb-119m	0	0.000	0.00E+00	0.00E+00
Sb-120	1	0.492	8.65E+00	5.95E+00
Sb-120m	1	2.470	4.01E+01	3.13E+01
Sb-121	0	0.000	0.00E+00	0.00E+00
Sb-122	1	0.434	7.47E+00	5.81E+00
Sb-122m	0	0.070	1.20E+00	8.80E-01
Sb-123	0	0.000	0.00E+00	0.00E+00
Sb-124	1	1.850	3.14E+01	2.28E+01
Sb-124m	1	0.440	7.59E+00	4.62E+00
Sb-124n	1	0.000	0.00E+00	9.48E-04
Sb-125	1	0.437	7.52E+00	5.66E+00
Sb-126	1	2.750	4.38E+01	3.70E+01
Sb-126m	1	1.550	2.69E+01	2.02E+01
Sb-126n	0	0.000	0.00E+00	3.13E-03
Sb-127	1	0.664	1.20E+01	9.00E+00
Sb-128	1	3.110	4.83E+01	4.02E+01
Sb-128m	1	1.910	3.23E+01	2.58E+01
Sb-129	1	1.360	2.40E+01	1.84E+01
Sb-129m	0	0.000	0.00E+00	0.00E+00
Sb-130	1	3.270	5.03E+01	4.21E+01
Sb-130m	0	2.650	4.25E+01	3.31E+01
Sb-131	1	1.810	3.08E+01	2.34E+01
Sb-132	0	2.610	4.19E+01	3.26E+01
Sb-132m	0	2.590	4.17E+01	3.24E+01
Sb-133	0	4.344	6.35E+01	5.43E+01
Sb-134	0	0.018	3.41E+00	2.25E-01
Sb-134m	0	2.050	3.43E+01	2.56E+01
Sb-135	0	0.672	1.21E+01	8.40E+00
Sb-136	0	0.358	5.90E+00	4.47E+00
Sb-137	0	0.000	0.00E+00	0.00E+00
Sb-138	0	0.000	0.00E+00	0.00E+00
Sb-139	0	0.000	0.00E+00	0.00E+00
Te-105	0	0.000	0.00E+00	0.00E+00
Te-106	0	0.000	0.00E+00	0.00E+00
Te-107	0	0.000	0.00E+00	0.00E+00
Te-108	0	0.000	0.00E+00	0.00E+00
Te-109	0	1.060	1.92E+01	1.32E+01
Te-110	0	0.000	0.00E+00	0.00E+00
Te-111	0	0.000	0.00E+00	0.00E+00
Te-112	0	0.000	0.00E+00	0.00E+00
Te-113	0	1.320	2.33E+01	1.65E+01
Te-114	0	1.084	1.95E+01	1.35E+01

Te-115	0	2.070	3.46E+01	2.59E+01
Te-115m	0	2.490	4.03E+01	3.11E+01
Te-116	1	0.083	1.25E+00	9.50E-01
Te-117	0	1.530	2.66E+01	1.91E+01
Te-117m	0	0.263	4.01E+00	3.29E+00
Te-118	0	0.020	3.16E+00	2.49E-01
Te-119	0	0.772	1.41E+01	9.65E+00
Te-119m	0	1.510	2.63E+01	1.89E+01
Te-120	0	0.000	0.00E+00	0.00E+00
Te-121	1	0.577	1.03E+01	7.59E+00
Te-121m	1	0.217	3.14E+00	2.80E+00
Te-122	0	0.000	0.00E+00	0.00E+00
Te-123	1	0.000	0.00E+00	2.60E-01
Te-123m	1	0.148	1.93E+00	1.90E+00
Te-124	0	0.000	0.00E+00	0.00E+00
Te-125	0	0.000	0.00E+00	0.00E+00
Te-125m	1	0.036	1.33E+00	4.81E-01
Te-126	0	0.000	0.00E+00	0.00E+00
Te-127	1	0.005	8.00E-03	6.90E-02
Te-127m	1	0.011	3.38E+00	1.51E-01
Te-128	0	0.000	0.00E+00	0.00E+00
Te-129	1	0.063	7.68E-01	8.01E-01
Te-129m	1	0.037	1.25E+00	5.03E-01
Te-130	0	0.000	0.00E+00	0.00E+00
Te-131	1	0.422	7.22E+00	5.46E+00
Te-131m	1	1.420	2.49E+01	1.82E+01
Te-132	1	0.234	3.46E+00	3.04E+00
Te-133	1	0.954	1.73E+01	1.19E+01
Te-133m	1	1.696	2.91E+01	2.96E+01
Te-134	1	0.858	1.56E+01	1.15E+01
Te-135	0	0.384	6.44E+00	4.80E+00
Te-136	0	2.170	3.60E+01	2.71E+01
Te-137	0	0.000	0.00E+00	0.00E+00
Te-138	0	0.000	0.00E+00	0.00E+00
Te-139	0	0.000	0.00E+00	0.00E+00
Te-140	0	0.000	0.00E+00	0.00E+00
Te-141	0	0.000	0.00E+00	0.00E+00
Te-142	0	0.000	0.00E+00	0.00E+00
I-108	0	0.000	0.00E+00	0.00E+00
I-109	0	0.000	0.00E+00	0.00E+00
I-110	0	0.000	0.00E+00	0.00E+00
I-111	0	0.000	0.00E+00	0.00E+00
I-112	0	0.000	0.00E+00	0.00E+00
I-113	0	0.000	0.00E+00	0.00E+00
I-114	0	1.022	1.85E+01	1.28E+01
I-114m	0	2.331	3.82E+01	2.91E+01
I-115	0	0.403	6.82E+00	5.03E+00

I-116	0	1.070	1.93E+01	1.34E+01
I-117	0	1.451	2.54E+01	1.81E+01
I-118	0	1.960	3.30E+01	2.45E+01
I-118m	0	3.090	4.81E+01	3.86E+01
I-119	0	0.858	1.56E+01	1.07E+01
I-120	1	2.729	4.35E+01	3.41E+01
I-120m	1	3.431	5.23E+01	6.69E+01
I-121	1	0.422	7.22E+00	5.45E+00
I-122	1	0.953	1.73E+01	1.25E+01
I-123	1	0.172	2.33E+00	2.21E+00
I-124	1	1.090	1.97E+01	1.40E+01
I-125	1	0.042	1.04E+00	5.69E-01
I-126	1	0.433	7.45E+00	5.95E+00
I-127	0	0.000	0.00E+00	0.00E+00
I-128	1	0.091	1.30E+00	1.17E+00
I-129	1	0.025	2.56E+00	3.44E-01
I-130	1	2.140	3.56E+01	2.80E+01
I-130m	0	0.121	1.57E+00	1.51E+00
I-131	1	0.382	6.40E+00	5.01E+00
I-132	1	2.290	3.77E+01	2.94E+01
I-132m	1	0.319	5.11E+00	4.20E+00
I-133	1	0.608	1.09E+01	7.95E+00
I-133m	0	1.581	2.74E+01	1.98E+01
I-134	1	2.610	4.19E+01	3.37E+01
I-134m	0	0.286	4.45E+00	3.58E+00
I-135	1	1.650	2.84E+01	1.96E+01
I-136	0	2.460	3.99E+01	3.08E+01
I-136m	0	2.136	3.55E+01	2.67E+01
I-137	0	1.140	2.05E+01	1.43E+01
I-138	0	1.890	3.20E+01	2.36E+01
I-139	0	0.498	8.78E+00	6.23E+00
I-140	0	0.979	1.78E+01	1.22E+01
I-141	0	0.000	0.00E+00	0.00E+00
I-142	0	0.000	0.00E+00	0.00E+00
I-143	0	0.000	0.00E+00	0.00E+00
I-144	0	0.000	0.00E+00	0.00E+00
Xe-110	0	0.000	0.00E+00	0.00E+00
Xe-111	0	0.000	0.00E+00	0.00E+00
Xe-112	0	0.000	0.00E+00	0.00E+00
Xe-113	0	0.000	0.00E+00	0.00E+00
Xe-114	0	0.000	0.00E+00	0.00E+00
Xe-115	0	0.000	0.00E+00	0.00E+00
Xe-116	0	0.000	0.00E+00	0.00E+00
Xe-117	0	0.194	2.72E+00	2.42E+00
Xe-118	0	0.000	0.00E+00	0.00E+00
Xe-119	0	0.000	0.00E+00	0.00E+00
Xe-120	1	0.433	7.45E+00	5.63E+00

Xe-121	1	1.428	2.50E+01	2.25E+01
Xe-122	1	0.068	7.97E-01	9.10E-01
Xe-123	1	0.649	1.17E+01	8.11E+00
Xe-124	0	0.000	0.00E+00	0.00E+00
Xe-125	1	0.269	4.12E+00	3.53E+00
Xe-125m	0	0.116	1.51E+00	1.45E+00
Xe-126	0	0.000	0.00E+00	0.00E+00
Xe-127	1	0.271	4.16E+00	3.64E+00
Xe-127m	0	0.168	2.26E+00	2.10E+00
Xe-128	0	0.000	0.00E+00	0.00E+00
Xe-129	0	0.000	0.00E+00	0.00E+00
Xe-129m	1	0.051	8.33E-01	7.05E-01
Xe-130	0	0.000	0.00E+00	0.00E+00
Xe-131	0	0.000	0.00E+00	0.00E+00
Xe-131m	1	0.020	3.15E+00	2.74E-01
Xe-132	0	0.000	0.00E+00	0.00E+00
Xe-132m	0	2.706	4.32E+01	3.38E+01
Xe-133	1	0.046	9.27E-01	6.14E-01
Xe-133m	1	0.041	1.07E+00	5.42E-01
Xe-134	0	0.000	0.00E+00	0.00E+00
Xe-134m	0	1.840	3.13E+01	2.30E+01
Xe-135	1	0.249	3.74E+00	3.22E+00
Xe-135m	1	0.432	7.43E+00	5.65E+00
Xe-136	0	0.000	0.00E+00	0.00E+00
Xe-137	0	0.196	2.76E+00	2.45E+00
Xe-138	1	1.130	2.03E+01	1.37E+01
Xe-139	0	0.894	1.63E+01	1.12E+01
Xe-140	0	1.150	2.06E+01	1.44E+01
Xe-141	0	0.659	1.19E+01	8.24E+00
Xe-142	0	0.000	0.00E+00	0.00E+00
Xe-143	0	0.000	0.00E+00	0.00E+00
Xe-144	0	0.000	0.00E+00	0.00E+00
Xe-145	0	0.000	0.00E+00	0.00E+00
Xe-146	0	0.000	0.00E+00	0.00E+00
Xe-147	0	0.000	0.00E+00	0.00E+00
Cs-112	0	0.000	0.00E+00	0.00E+00
Cs-113	0	0.000	0.00E+00	0.00E+00
Cs-114	0	0.000	0.00E+00	0.00E+00
Cs-115	0	0.000	0.00E+00	0.00E+00
Cs-116	0	0.000	0.00E+00	0.00E+00
Cs-116m	0	2.860	4.52E+01	3.58E+01
Cs-117	0	0.200	2.83E+00	2.50E+00
Cs-117m	0	0.000	0.00E+00	0.00E+00
Cs-118	0	0.000	0.00E+00	0.00E+00
Cs-118m	0	0.000	0.00E+00	0.00E+00
Cs-119	0	0.320	5.12E+00	3.99E+00
Cs-119m	0	0.000	0.00E+00	0.00E+00

Cs-120	0	0.000	0.00E+00	0.00E+00
Cs-120m	0	0.000	0.00E+00	0.00E+00
Cs-121	0	1.178	2.11E+01	1.47E+01
Cs-121m	0	1.378	2.43E+01	1.72E+01
Cs-122	0	0.726	1.32E+01	9.07E+00
Cs-122m	0	2.600	4.18E+01	3.25E+01
Cs-122n	0	0.030	1.89E+00	3.69E-01
Cs-123	0	0.938	1.71E+01	1.17E+01
Cs-123m	0	0.047	9.22E-01	5.81E-01
Cs-124	0	1.260	2.24E+01	1.58E+01
Cs-124m	0	0.305	4.82E+00	3.81E+00
Cs-125	1	0.741	1.35E+01	8.91E+00
Cs-125m	0	0.000	0.00E+00	0.00E+00
Cs-126	1	1.140	2.05E+01	1.45E+01
Cs-127	1	0.400	6.77E+00	5.51E+00
Cs-128	1	0.899	1.64E+01	1.19E+01
Cs-129	1	0.281	4.35E+00	3.72E+00
Cs-130	1	0.513	9.07E+00	6.82E+00
Cs-130m	0	0.069	8.27E-01	8.63E-01
Cs-131	1	0.023	2.77E+00	3.18E-01
Cs-132	1	0.728	1.32E+01	9.23E+00
Cs-133	0	0.000	0.00E+00	0.00E+00
Cs-134	1	1.550	2.69E+01	2.02E+01
Cs-134m	1	0.027	2.29E+00	3.45E-01
Cs-135	1	0.000	0.00E+00	4.44E-04
Cs-135m	1	1.598	2.76E+01	2.05E+01
Cs-136	1	2.170	3.60E+01	2.78E+01
Cs-136m	0	0.000	0.00E+00	0.00E+00
Cs-137	1	0.002	0.00E+00	3.80E-03
Cs-138	1	2.360	3.86E+01	2.92E+01
Cs-138m	0	0.420	7.18E+00	5.25E+00
Cs-139	0	0.329	5.31E+00	4.11E+00
Cs-140	0	2.260	3.72E+01	2.83E+01
Cs-141	0	1.010	1.83E+01	1.26E+01
Cs-142	0	0.675	1.22E+01	8.44E+00
Cs-143	0	0.701	1.27E+01	8.76E+00
Cs-144	0	0.000	0.00E+00	0.00E+00
Cs-144m	0	1.080	1.95E+01	1.35E+01
Cs-145	0	0.487	8.54E+00	6.08E+00
Cs-146	0	0.817	1.49E+01	1.02E+01
Cs-147	0	0.105	1.40E+00	1.31E+00
Cs-148	0	0.000	0.00E+00	0.00E+00
Cs-149	0	0.000	0.00E+00	0.00E+00
Cs-150	0	0.000	0.00E+00	0.00E+00
Cs-151	0	0.000	0.00E+00	0.00E+00
Ba-114	0	0.000	0.00E+00	0.00E+00
Ba-115	0	0.000	0.00E+00	0.00E+00

Ba-116	0	0.000	0.00E+00	0.00E+00
Ba-117	0	0.000	0.00E+00	0.00E+00
Ba-118	0	0.000	0.00E+00	0.00E+00
Ba-119	0	0.000	0.00E+00	0.00E+00
Ba-120	0	1.288	2.28E+01	1.61E+01
Ba-121	0	0.000	0.00E+00	0.00E+00
Ba-122	0	0.000	0.00E+00	0.00E+00
Ba-123	0	0.000	0.00E+00	0.00E+00
Ba-124	0	0.348	5.70E+00	4.35E+00
Ba-125	0	0.000	0.00E+00	0.00E+00
Ba-126	1	0.552	9.84E+00	2.16E+00
Ba-127	0	0.730	1.33E+01	9.13E+00
Ba-127m	0	0.033	1.52E+00	4.17E-01
Ba-128	1	0.067	7.92E-01	1.01E+00
Ba-129	0	0.332	5.37E+00	4.15E+00
Ba-129m	0	0.035	1.39E+00	4.38E-01
Ba-130	0	0.000	0.00E+00	0.00E+00
Ba-130m	0	2.163	3.59E+01	2.70E+01
Ba-131	1	0.458	7.96E+00	6.02E+00
Ba-131m	1	0.077	1.22E+00	9.94E-01
Ba-132	0	0.000	0.00E+00	0.00E+00
Ba-133	1	0.404	6.85E+00	5.29E+00
Ba-133m	1	0.067	7.88E-01	8.78E-01
Ba-134	0	0.000	0.00E+00	0.00E+00
Ba-135	0	0.000	0.00E+00	0.00E+00
Ba-135m	1	0.060	7.55E-01	7.99E-01
Ba-136	0	0.000	0.00E+00	0.00E+00
Ba-136m	0	1.923	3.25E+01	2.40E+01
Ba-137	0	0.000	0.00E+00	0.00E+00
Ba-137m	1	0.599	1.08E+01	7.81E+00
Ba-138	0	0.000	0.00E+00	0.00E+00
Ba-139	1	0.045	9.49E-01	6.11E-01
Ba-140	1	0.183	2.52E+00	2.40E+00
Ba-141	1	0.847	1.55E+01	1.09E+01
Ba-142	1	1.040	1.88E+01	1.35E+01
Ba-143	0	0.231	3.40E+00	2.89E+00
Ba-144	0	0.469	8.18E+00	5.86E+00
Ba-145	0	0.310	4.92E+00	3.88E+00
Ba-146	0	0.809	1.48E+01	1.01E+01
Ba-147	0	0.289	4.50E+00	3.61E+00
Ba-148	0	0.191	2.67E+00	2.39E+00
Ba-149	0	0.000	0.00E+00	0.00E+00
Ba-150	0	0.000	0.00E+00	0.00E+00
Ba-151	0	0.000	0.00E+00	0.00E+00
Ba-152	0	0.000	0.00E+00	0.00E+00
Ba-153	0	0.000	0.00E+00	0.00E+00
La-117	0	0.000	0.00E+00	0.00E+00

La-117m	0	0.000	0.00E+00	0.00E+00
La-118	0	0.000	0.00E+00	0.00E+00
La-119	0	0.000	0.00E+00	0.00E+00
La-120	0	0.000	0.00E+00	0.00E+00
La-121	0	0.000	0.00E+00	0.00E+00
La-122	0	0.000	0.00E+00	0.00E+00
La-123	0	0.000	0.00E+00	0.00E+00
La-124	0	0.000	0.00E+00	0.00E+00
La-124m	0	0.000	0.00E+00	0.00E+00
La-125	0	0.000	0.00E+00	0.00E+00
La-125m	0	0.000	0.00E+00	0.00E+00
La-126	0	0.000	0.00E+00	0.00E+00
La-126m	0	0.000	0.00E+00	0.00E+00
La-127	0	0.000	0.00E+00	0.00E+00
La-127m	0	0.008	1.30E+00	9.69E-02
La-128	0	2.910	4.58E+01	3.64E+01
La-128m	0	0.000	0.00E+00	0.00E+00
La-129	0	1.000	1.82E+01	1.25E+01
La-129m	0	0.051	8.42E-01	6.34E-01
La-130	0	2.180	3.61E+01	2.73E+01
La-131	1	0.680	1.23E+01	8.80E+00
La-132	1	2.170	3.60E+01	2.53E+01
La-132m	0	0.491	8.63E+00	6.14E+00
La-133	0	0.082	1.24E+00	1.02E+00
La-134	1	0.724	1.31E+01	9.23E+00
La-135	1	0.036	1.32E+00	4.94E-01
La-136	0	0.418	7.14E+00	5.23E+00
La-136m	0	0.072	1.21E+00	9.00E-01
La-137	1	0.025	2.50E+00	3.42E-01
La-138	1	1.240	2.21E+01	1.55E+01
La-139	0	0.000	0.00E+00	0.00E+00
La-140	1	2.320	3.81E+01	2.88E+01
La-141	1	1.450	2.54E+01	6.05E-01
La-142	1	2.490	4.03E+01	3.28E+01
La-143	1	0.252	3.79E+00	1.29E+00
La-144	0	2.170	3.60E+01	2.71E+01
La-145	0	0.643	1.16E+01	8.04E+00
La-146	0	1.490	2.60E+01	1.86E+01
La-146m	0	1.310	2.32E+01	1.64E+01
La-147	0	0.184	2.54E+00	2.29E+00
La-148	0	1.250	2.22E+01	1.56E+01
La-149	0	0.160	2.12E+00	2.00E+00
La-150	0	0.000	0.00E+00	0.00E+00
La-151	0	0.000	0.00E+00	0.00E+00
La-152	0	0.000	0.00E+00	0.00E+00
La-153	0	0.000	0.00E+00	0.00E+00
La-154	0	0.000	0.00E+00	0.00E+00

La-155	0	0.000	0.00E+00	0.00E+00
Ce-119	0	0.000	0.00E+00	0.00E+00
Ce-120	0	0.000	0.00E+00	0.00E+00
Ce-121	0	0.000	0.00E+00	0.00E+00
Ce-122	0	0.000	0.00E+00	0.00E+00
Ce-123	0	0.000	0.00E+00	0.00E+00
Ce-124	0	0.000	0.00E+00	0.00E+00
Ce-125	0	0.000	0.00E+00	0.00E+00
Ce-126	0	0.000	0.00E+00	0.00E+00
Ce-127	0	0.004	1.56E-04	5.38E-02
Ce-127m	0	0.000	0.00E+00	0.00E+00
Ce-128	0	3.016	4.72E+01	3.77E+01
Ce-129	0	0.000	0.00E+00	0.00E+00
Ce-130	0	0.466	8.12E+00	5.82E+00
Ce-131	0	0.162	2.16E+00	2.03E+00
Ce-131m	0	0.162	2.16E+00	2.03E+00
Ce-132	0	0.273	4.20E+00	3.41E+00
Ce-132m	0	2.176	3.61E+01	2.72E+01
Ce-133	0	0.454	7.88E+00	5.68E+00
Ce-133m	0	1.616	2.79E+01	2.02E+01
Ce-134	1	0.028	2.12E+00	3.72E-01
Ce-135	1	0.802	1.46E+01	2.33E+01
Ce-135m	0	0.043	1.02E+00	5.38E-01
Ce-136	0	0.000	0.00E+00	0.00E+00
Ce-137	1	0.041	1.07E+00	4.86E-01
Ce-137m	1	0.055	7.87E-01	7.07E-01
Ce-138	0	0.000	0.00E+00	0.00E+00
Ce-138m	0	2.093	3.49E+01	2.62E+01
Ce-139	1	0.160	2.12E+00	2.08E+00
Ce-139m	0	0.700	1.27E+01	8.75E+00
Ce-140	0	0.000	0.00E+00	0.00E+00
Ce-141	1	0.077	1.22E+00	9.83E-01
Ce-142	0	0.000	0.00E+00	0.00E+00
Ce-143	1	0.275	4.24E+00	3.72E+00
Ce-144	1	0.019	3.26E+00	2.70E-01
Ce-145	0	0.774	1.41E+01	9.68E+00
Ce-146	0	0.289	4.51E+00	3.61E+00
Ce-147	0	0.200	2.84E+00	2.50E+00
Ce-148	0	0.318	5.08E+00	3.97E+00
Ce-149	0	0.000	0.00E+00	0.00E+00
Ce-150	0	0.000	0.00E+00	0.00E+00
Ce-151	0	0.000	0.00E+00	0.00E+00
Ce-152	0	0.000	0.00E+00	0.00E+00
Ce-153	0	0.000	0.00E+00	0.00E+00
Ce-154	0	0.000	0.00E+00	0.00E+00
Ce-155	0	0.000	0.00E+00	0.00E+00
Ce-156	0	0.000	0.00E+00	0.00E+00

Ce-157	0	0.000	0.00E+00	0.00E+00
Pr-121	0	0.000	0.00E+00	0.00E+00
Pr-122	0	0.000	0.00E+00	0.00E+00
Pr-123	0	0.000	0.00E+00	0.00E+00
Pr-124	0	0.000	0.00E+00	0.00E+00
Pr-125	0	0.000	0.00E+00	0.00E+00
Pr-126	0	0.572	1.02E+01	7.15E+00
Pr-127	0	1.439	2.52E+01	1.80E+01
Pr-127m	0	0.000	0.00E+00	0.00E+00
Pr-128	0	1.599	2.77E+01	2.00E+01
Pr-129	0	0.000	0.00E+00	0.00E+00
Pr-129m	0	0.000	0.00E+00	0.00E+00
Pr-130	0	0.000	0.00E+00	0.00E+00
Pr-130m	0	0.000	0.00E+00	0.00E+00
Pr-131	0	0.000	0.00E+00	0.00E+00
Pr-131m	0	0.049	8.66E-01	6.16E-01
Pr-132	0	0.000	0.00E+00	0.00E+00
Pr-132m	0	0.000	0.00E+00	0.00E+00
Pr-133	0	0.000	0.00E+00	0.00E+00
Pr-134	0	3.148	4.88E+01	3.93E+01
Pr-134m	0	2.353	3.85E+01	2.94E+01
Pr-135	0	0.900	1.64E+01	1.13E+01
Pr-136	1	2.100	3.50E+01	2.69E+01
Pr-137	1	0.356	5.86E+00	6.57E+00
Pr-138	1	0.841	1.53E+01	1.08E+01
Pr-138m	1	2.490	4.03E+01	3.20E+01
Pr-139	1	0.124	1.60E+00	1.63E+00
Pr-140	0	0.550	9.80E+00	6.88E+00
Pr-141	0	0.000	0.00E+00	0.00E+00
Pr-142	1	0.058	7.59E-01	7.70E-01
Pr-142m	1	0.000	0.00E+00	0.00E+00
Pr-143	1	0.000	0.00E+00	9.34E-03
Pr-144	1	0.032	1.63E+00	5.03E-01
Pr-144m	1	0.012	3.63E+00	1.73E-01
Pr-145	1	0.016	3.65E+00	2.08E-01
Pr-146	0	1.020	1.85E+01	1.28E+01
Pr-147	1	0.864	1.58E+01	1.12E+01
Pr-148	0	0.887	1.62E+01	1.11E+01
Pr-148m	0	0.943	1.72E+01	1.18E+01
Pr-149	0	0.180	2.47E+00	2.25E+00
Pr-150	0	0.556	9.91E+00	6.95E+00
Pr-151	0	0.710	1.29E+01	8.88E+00
Pr-152	0	1.686	2.90E+01	2.11E+01
Pr-153	0	0.142	1.83E+00	1.77E+00
Pr-154	0	0.330	5.33E+00	4.13E+00
Pr-155	0	0.000	0.00E+00	0.00E+00
Pr-156	0	0.000	0.00E+00	0.00E+00

Pr-157	0	0.000	0.00E+00	0.00E+00
Pr-158	0	0.000	0.00E+00	0.00E+00
Pr-159	0	0.000	0.00E+00	0.00E+00
Nd-124	0	0.000	0.00E+00	0.00E+00
Nd-125	0	0.000	0.00E+00	0.00E+00
Nd-126	0	0.000	0.00E+00	0.00E+00
Nd-127	0	0.000	0.00E+00	0.00E+00
Nd-128	0	0.000	0.00E+00	0.00E+00
Nd-129	0	0.000	0.00E+00	0.00E+00
Nd-130	0	0.000	0.00E+00	0.00E+00
Nd-131	0	1.449	2.53E+01	1.81E+01
Nd-132	0	1.443	2.53E+01	1.80E+01
Nd-133	0	2.143	3.56E+01	2.68E+01
Nd-133m	0	0.000	0.00E+00	0.00E+00
Nd-134	0	0.506	8.93E+00	6.32E+00
Nd-135	0	1.270	2.26E+01	1.59E+01
Nd-135m	0	0.000	0.00E+00	0.00E+00
Nd-136	1	0.295	4.62E+00	3.86E+00
Nd-137	0	1.130	2.03E+01	1.41E+01
Nd-137m	0	0.370	6.15E+00	4.63E+00
Nd-138	1	0.044	9.89E-01	5.93E-01
Nd-139	1	0.418	7.14E+00	5.33E+00
Nd-139m	1	1.380	2.43E+01	2.02E+01
Nd-140	0	0.029	2.00E+00	3.59E-01
Nd-141	1	0.077	1.22E+00	1.01E+00
Nd-141m	1	0.695	1.26E+01	9.88E+00
Nd-142	0	0.000	0.00E+00	0.00E+00
Nd-143	0	0.000	0.00E+00	0.00E+00
Nd-144	0	0.000	0.00E+00	0.00E+00
Nd-145	0	0.000	0.00E+00	0.00E+00
Nd-146	0	0.000	0.00E+00	0.00E+00
Nd-147	1	0.141	1.82E+00	1.85E+00
Nd-148	0	0.000	0.00E+00	0.00E+00
Nd-149	1	0.385	6.46E+00	5.02E+00
Nd-150	0	0.000	0.00E+00	0.00E+00
Nd-151	1	0.917	1.67E+01	1.17E+01
Nd-152	0	0.165	2.20E+00	2.06E+00
Nd-153	0	0.266	4.06E+00	3.33E+00
Nd-154	0	0.456	7.92E+00	5.70E+00
Nd-155	0	0.991	1.80E+01	1.24E+01
Nd-156	0	0.000	0.00E+00	0.00E+00
Nd-157	0	0.000	0.00E+00	0.00E+00
Nd-158	0	0.000	0.00E+00	0.00E+00
Nd-159	0	0.000	0.00E+00	0.00E+00
Nd-160	0	0.000	0.00E+00	0.00E+00
Nd-161	0	0.000	0.00E+00	0.00E+00
Pm-126	0	0.000	0.00E+00	0.00E+00

Pm-127	0	0.000	0.00E+00	0.00E+00
Pm-128	0	0.000	0.00E+00	0.00E+00
Pm-129	0	0.000	0.00E+00	0.00E+00
Pm-130	0	0.841	1.53E+01	1.05E+01
Pm-131	0	0.000	0.00E+00	0.00E+00
Pm-132	0	1.472	2.57E+01	1.84E+01
Pm-133	0	0.000	0.00E+00	0.00E+00
Pm-133m	0	0.000	0.00E+00	0.00E+00
Pm-134	0	1.800	3.07E+01	2.25E+01
Pm-134m	0	2.368	3.87E+01	2.96E+01
Pm-135	0	0.000	0.00E+00	0.00E+00
Pm-135m	0	0.000	0.00E+00	0.00E+00
Pm-136	0	2.730	4.35E+01	3.41E+01
Pm-136m	0	0.000	0.00E+00	0.00E+00
Pm-137	0	0.000	0.00E+00	0.00E+00
Pm-137m	0	1.590	2.75E+01	1.99E+01
Pm-138	0	0.000	0.00E+00	0.00E+00
Pm-138m	0	0.000	0.00E+00	0.00E+00
Pm-139	0	0.914	1.66E+01	1.14E+01
Pm-139m	0	0.085	1.26E+00	1.06E+00
Pm-140	0	1.065	1.92E+01	1.33E+01
Pm-140m	0	3.050	4.76E+01	3.81E+01
Pm-141	1	0.756	1.38E+01	9.70E+00
Pm-142	1	0.879	1.60E+01	1.15E+01
Pm-142m	0	0.000	0.00E+00	0.00E+00
Pm-143	1	0.315	5.03E+00	4.13E+00
Pm-144	1	1.563	2.71E+01	2.05E+01
Pm-145	1	0.033	1.53E+00	4.34E-01
Pm-146	1	0.754	1.37E+01	9.87E+00
Pm-147	1	0.000	0.00E+00	4.54E-04
Pm-148	1	0.574	1.03E+01	7.30E+00
Pm-148m	1	1.991	3.35E+01	2.61E+01
Pm-149	1	0.012	3.59E+00	1.51E-01
Pm-150	1	1.490	2.60E+01	1.81E+01
Pm-151	1	0.327	5.27E+00	4.20E+00
Pm-152	0	0.280	4.33E+00	3.50E+00
Pm-152m	0	1.510	2.63E+01	1.89E+01
Pm-152n	0	0.000	0.00E+00	0.00E+00
Pm-153	0	0.073	1.21E+00	9.17E-01
Pm-154	0	1.910	3.23E+01	2.39E+01
Pm-154m	0	2.000	3.36E+01	2.50E+01
Pm-155	0	0.119	1.55E+00	1.49E+00
Pm-156	0	1.707	2.93E+01	2.13E+01
Pm-157	0	0.346	5.66E+00	4.33E+00
Pm-158	0	0.000	0.00E+00	0.00E+00
Pm-159	0	0.000	0.00E+00	0.00E+00
Pm-160	0	0.000	0.00E+00	0.00E+00

Pm-161	0	0.000	0.00E+00	0.00E+00
Pm-162	0	0.000	0.00E+00	0.00E+00
Pm-163	0	0.000	0.00E+00	0.00E+00
Sm-128	0	0.000	0.00E+00	0.00E+00
Sm-129	0	0.000	0.00E+00	0.00E+00
Sm-130	0	0.000	0.00E+00	0.00E+00
Sm-131	0	0.000	0.00E+00	0.00E+00
Sm-132	0	0.000	0.00E+00	0.00E+00
Sm-133	0	0.000	0.00E+00	0.00E+00
Sm-134	0	1.370	2.41E+01	1.71E+01
Sm-135	0	0.000	0.00E+00	0.00E+00
Sm-135m	0	0.000	0.00E+00	0.00E+00
Sm-136	0	1.232	2.20E+01	1.54E+01
Sm-137	0	0.000	0.00E+00	0.00E+00
Sm-137m	0	0.000	0.00E+00	0.00E+00
Sm-138	0	0.000	0.00E+00	0.00E+00
Sm-139	0	1.780	3.04E+01	2.23E+01
Sm-139m	0	0.283	4.39E+00	3.54E+00
Sm-140	0	0.331	5.35E+00	4.14E+00
Sm-141	1	1.410	2.47E+01	1.81E+01
Sm-141m	1	1.990	3.35E+01	2.54E+01
Sm-142	1	0.097	1.33E+00	1.26E+00
Sm-143	0	0.539	9.59E+00	6.74E+00
Sm-143m	0	0.685	1.24E+01	8.56E+00
Sm-143n	0	0.000	0.00E+00	0.00E+00
Sm-144	0	0.000	0.00E+00	0.00E+00
Sm-145	1	0.065	7.79E-01	9.11E-01
Sm-146	1	0.000	0.00E+00	0.00E+00
Sm-147	1	0.000	0.00E+00	0.00E+00
Sm-148	0	0.000	0.00E+00	0.00E+00
Sm-149	0	0.000	0.00E+00	0.00E+00
Sm-150	0	0.000	0.00E+00	0.00E+00
Sm-151	1	0.000	0.00E+00	6.70E-05
Sm-152	0	0.000	0.00E+00	0.00E+00
Sm-153	1	0.062	7.61E-01	8.29E-01
Sm-153m	0	0.032	1.67E+00	3.95E-01
Sm-154	0	0.000	0.00E+00	0.00E+00
Sm-155	1	0.104	1.40E+00	1.36E+00
Sm-156	1	0.114	1.49E+00	1.56E+00
Sm-157	0	0.370	6.14E+00	4.62E+00
Sm-158	0	0.000	0.00E+00	0.00E+00
Sm-159	0	0.430	7.39E+00	5.38E+00
Sm-160	0	0.000	0.00E+00	0.00E+00
Sm-161	0	0.000	0.00E+00	0.00E+00
Sm-162	0	0.000	0.00E+00	0.00E+00
Sm-163	0	0.000	0.00E+00	0.00E+00
Sm-164	0	0.000	0.00E+00	0.00E+00

Sm-165	0	0.000	0.00E+00	0.00E+00
Eu-130	0	0.000	0.00E+00	0.00E+00
Eu-131	0	0.000	0.00E+00	0.00E+00
Eu-132	0	0.000	0.00E+00	0.00E+00
Eu-133	0	0.000	0.00E+00	0.00E+00
Eu-134	0	0.000	0.00E+00	0.00E+00
Eu-135	0	0.000	0.00E+00	0.00E+00
Eu-136	0	0.000	0.00E+00	0.00E+00
Eu-136m	0	0.000	0.00E+00	0.00E+00
Eu-137	0	0.000	0.00E+00	0.00E+00
Eu-138	0	0.000	0.00E+00	0.00E+00
Eu-139	0	1.906	3.23E+01	2.38E+01
Eu-140	0	1.307	2.31E+01	1.63E+01
Eu-140m	0	0.143	1.85E+00	1.79E+00
Eu-141	0	1.200	2.14E+01	1.50E+01
Eu-141m	0	0.058	7.60E-01	7.25E-01
Eu-142	0	1.170	2.10E+01	1.46E+01
Eu-142m	0	3.440	5.24E+01	4.30E+01
Eu-143	0	1.110	2.00E+01	1.39E+01
Eu-144	0	1.100	1.98E+01	1.38E+01
Eu-145	1	1.465	2.56E+01	1.84E+01
Eu-146	1	2.220	3.67E+01	3.22E+01
Eu-147	1	0.497	8.75E+00	6.43E+00
Eu-148	1	2.170	3.60E+01	2.82E+01
Eu-149	1	0.064	7.72E-01	8.54E-01
Eu-150	1	1.500	2.61E+01	1.94E+01
Eu-150m	1	0.043	1.00E+00	6.19E-01
Eu-151	0	0.000	0.00E+00	0.00E+00
Eu-152	1	1.160	2.08E+01	1.47E+01
Eu-152m	1	0.307	4.86E+00	3.81E+00
Eu-152n	0	0.076	1.22E+00	9.51E-01
Eu-153	0	0.000	0.00E+00	0.00E+00
Eu-154	1	1.250	2.22E+01	1.59E+01
Eu-154m	0	0.084	1.26E+00	1.05E+00
Eu-155	1	0.061	7.60E-01	7.86E-01
Eu-156	1	1.330	2.35E+01	1.64E+01
Eu-157	1	0.290	4.54E+00	3.48E+00
Eu-158	1	1.080	1.95E+01	1.35E+01
Eu-159	0	0.287	4.47E+00	3.59E+00
Eu-160	0	0.000	0.00E+00	0.00E+00
Eu-161	0	0.000	0.00E+00	0.00E+00
Eu-162	0	0.000	0.00E+00	0.00E+00
Eu-163	0	0.000	0.00E+00	0.00E+00
Eu-164	0	0.000	0.00E+00	0.00E+00
Eu-165	0	0.000	0.00E+00	0.00E+00
Eu-166	0	0.000	0.00E+00	0.00E+00
Eu-167	0	0.000	0.00E+00	0.00E+00

Gd-134	0	0.000	0.00E+00	0.00E+00
Gd-135	0	0.000	0.00E+00	0.00E+00
Gd-136	0	0.000	0.00E+00	0.00E+00
Gd-137	0	0.000	0.00E+00	0.00E+00
Gd-138	0	0.000	0.00E+00	0.00E+00
Gd-139	0	0.000	0.00E+00	0.00E+00
Gd-139m	0	0.000	0.00E+00	0.00E+00
Gd-140	0	1.357	2.39E+01	1.70E+01
Gd-141	0	1.419	2.49E+01	1.77E+01
Gd-141m	0	1.449	2.53E+01	1.81E+01
Gd-142	0	0.485	8.51E+00	6.06E+00
Gd-143	0	0.365	6.05E+00	4.56E+00
Gd-143m	0	2.110	3.52E+01	2.64E+01
Gd-144	0	0.426	7.29E+00	5.32E+00
Gd-145	1	1.790	3.05E+01	2.77E+01
Gd-145m	0	0.672	1.21E+01	8.40E+00
Gd-146	1	0.256	3.87E+00	3.28E+00
Gd-147	1	1.330	2.35E+01	1.73E+01
Gd-148	1	0.000	0.00E+00	0.00E+00
Gd-149	1	0.418	7.14E+00	5.49E+00
Gd-150	0	0.000	0.00E+00	0.00E+00
Gd-151	1	0.064	7.74E-01	8.50E-01
Gd-152	1	0.000	0.00E+00	0.00E+00
Gd-153	1	0.102	1.38E+00	1.41E+00
Gd-154	0	0.000	0.00E+00	0.00E+00
Gd-155	0	0.000	0.00E+00	0.00E+00
Gd-155m	0	0.074	1.21E+00	9.20E-01
Gd-156	0	0.000	0.00E+00	0.00E+00
Gd-157	0	0.000	0.00E+00	0.00E+00
Gd-158	0	0.000	0.00E+00	0.00E+00
Gd-159	1	0.053	8.10E-01	6.69E-01
Gd-160	0	0.000	0.00E+00	0.00E+00
Gd-161	0	0.392	6.61E+00	4.90E+00
Gd-162	0	0.422	7.22E+00	5.28E+00
Gd-163	0	0.120	1.56E+00	1.50E+00
Gd-164	0	0.000	0.00E+00	0.00E+00
Gd-165	0	0.000	0.00E+00	0.00E+00
Gd-166	0	0.000	0.00E+00	0.00E+00
Gd-167	0	0.000	0.00E+00	0.00E+00
Gd-168	0	0.000	0.00E+00	0.00E+00
Gd-169	0	0.000	0.00E+00	0.00E+00
Tb-136	0	0.000	0.00E+00	0.00E+00
Tb-137	0	0.000	0.00E+00	0.00E+00
Tb-138	0	0.000	0.00E+00	0.00E+00
Tb-139	0	0.000	0.00E+00	0.00E+00
Tb-140	0	2.673	4.28E+01	3.34E+01
Tb-141	0	1.606	2.78E+01	2.01E+01

Tb-141m	0	0.000	0.00E+00	0.00E+00
Tb-142	0	0.268	4.10E+00	3.35E+00
Tb-142m	0	0.169	2.28E+00	2.11E+00
Tb-143	0	0.000	0.00E+00	0.00E+00
Tb-143m	0	0.000	0.00E+00	0.00E+00
Tb-144	0	0.288	4.49E+00	3.60E+00
Tb-144m	0	0.194	2.73E+00	2.43E+00
Tb-145	0	0.000	0.00E+00	0.00E+00
Tb-145m	0	1.560	2.71E+01	1.95E+01
Tb-146	0	0.237	3.51E+00	2.96E+00
Tb-146m	0	2.860	4.52E+01	3.58E+01
Tb-146n	0	0.000	0.00E+00	0.00E+00
Tb-147	1	1.600	2.77E+01	2.05E+01
Tb-147m	0	1.832	3.12E+01	2.29E+01
Tb-148	0	2.202	3.64E+01	2.75E+01
Tb-148m	0	2.630	4.22E+01	3.29E+01
Tb-149	1	1.250	2.22E+01	2.04E+01
Tb-149m	0	0.744	1.35E+01	9.30E+00
Tb-150	1	2.108	3.51E+01	2.16E+01
Tb-150m	0	2.380	3.89E+01	2.98E+01
Tb-151	1	0.894	1.63E+01	1.16E+01
Tb-151m	0	0.080	1.24E+00	1.00E+00
Tb-152	0	1.310	2.32E+01	1.64E+01
Tb-152m	0	0.754	1.37E+01	9.43E+00
Tb-153	1	0.310	4.92E+00	3.00E+00
Tb-154	1	2.380	3.89E+01	2.84E+01
Tb-154m	0	2.290	3.77E+01	2.86E+01
Tb-154n	0	2.048	3.43E+01	2.56E+01
Tb-155	1	0.184	2.54E+00	1.84E+00
Tb-156	1	1.820	3.10E+01	2.32E+01
Tb-156m	1	0.004	2.89E-04	3.48E-01
Tb-156n	1	0.004	4.15E-04	4.90E-02
Tb-157	1	0.010	2.69E+00	3.56E-02
Tb-158	1	0.787	1.44E+01	1.03E+01
Tb-158m	0	0.002	0.00E+00	2.96E-02
Tb-159	0	0.000	0.00E+00	0.00E+00
Tb-160	1	1.130	2.03E+01	1.44E+01
Tb-161	1	0.034	1.47E+00	4.62E-01
Tb-162	0	1.100	1.98E+01	1.38E+01
Tb-163	0	0.785	1.44E+01	9.81E+00
Tb-164	0	2.180	3.61E+01	2.73E+01
Tb-165	0	0.641	1.16E+01	8.01E+00
Tb-166	0	0.701	1.27E+01	8.77E+00
Tb-167	0	0.000	0.00E+00	0.00E+00
Tb-168	0	0.000	0.00E+00	0.00E+00
Tb-169	0	0.000	0.00E+00	0.00E+00
Tb-170	0	0.000	0.00E+00	0.00E+00

Tb-171	0	0.000	0.00E+00	0.00E+00
Dy-138	0	0.000	0.00E+00	0.00E+00
Dy-139	0	0.000	0.00E+00	0.00E+00
Dy-140	0	0.000	0.00E+00	0.00E+00
Dy-141	0	0.000	0.00E+00	0.00E+00
Dy-142	0	0.008	1.86E+00	1.05E-01
Dy-143	0	0.000	0.00E+00	0.00E+00
Dy-143m	0	0.000	0.00E+00	0.00E+00
Dy-144	0	0.076	1.21E+00	9.45E-01
Dy-145	0	0.077	1.22E+00	9.62E-01
Dy-145m	0	1.265	2.25E+01	1.58E+01
Dy-146	0	0.165	2.21E+00	2.06E+00
Dy-146m	0	2.920	4.59E+01	3.65E+01
Dy-147	0	0.000	0.00E+00	0.00E+00
Dy-147m	0	0.242	3.61E+00	3.03E+00
Dy-148	0	1.699	2.92E+01	2.12E+01
Dy-149	0	2.552	4.12E+01	3.19E+01
Dy-149m	0	3.549	5.37E+01	4.44E+01
Dy-150	0	0.298	4.68E+00	3.73E+00
Dy-151	0	1.090	1.97E+01	1.36E+01
Dy-152	0	0.286	4.44E+00	3.57E+00
Dy-153	0	0.697	1.26E+01	8.71E+00
Dy-154	0	0.000	0.00E+00	0.00E+00
Dy-155	1	0.609	1.09E+01	7.46E+00
Dy-156	0	0.000	0.00E+00	0.00E+00
Dy-157	1	0.341	5.55E+00	4.68E+00
Dy-157m	0	0.099	1.35E+00	1.24E+00
Dy-158	0	0.000	0.00E+00	0.00E+00
Dy-159	1	0.046	9.39E-01	6.19E-01
Dy-160	0	0.000	0.00E+00	0.00E+00
Dy-161	0	0.000	0.00E+00	0.00E+00
Dy-162	0	0.000	0.00E+00	0.00E+00
Dy-163	0	0.000	0.00E+00	0.00E+00
Dy-164	0	0.000	0.00E+00	0.00E+00
Dy-165	1	0.027	2.32E+00	3.58E-01
Dy-165m	0	0.019	3.26E+00	2.40E-01
Dy-166	1	0.040	1.13E+00	5.34E-01
Dy-167	0	0.535	9.51E+00	6.69E+00
Dy-168	0	0.395	6.66E+00	4.94E+00
Dy-169	0	0.000	0.00E+00	0.00E+00
Dy-170	0	0.000	0.00E+00	0.00E+00
Dy-171	0	0.000	0.00E+00	0.00E+00
Dy-172	0	0.000	0.00E+00	0.00E+00
Dy-173	0	0.000	0.00E+00	0.00E+00
Ho-140	0	0.000	0.00E+00	0.00E+00
Ho-141	0	0.000	0.00E+00	0.00E+00
Ho-142	0	0.000	0.00E+00	0.00E+00

Ho-143	0	0.000	0.00E+00	0.00E+00
Ho-144	0	0.159	2.10E+00	1.98E+00
Ho-145	0	1.307	2.31E+01	1.63E+01
Ho-145m	0	0.000	0.00E+00	0.00E+00
Ho-146	0	2.250	3.71E+01	2.81E+01
Ho-147	0	0.839	1.53E+01	1.05E+01
Ho-148	0	4.134	6.08E+01	5.17E+01
Ho-148m	0	1.148	2.06E+01	1.44E+01
Ho-148n	0	0.648	1.17E+01	8.10E+00
Ho-149	0	2.153	3.58E+01	2.69E+01
Ho-149m	0	3.087	4.80E+01	3.86E+01
Ho-150	0	1.000	1.82E+01	1.25E+01
Ho-150m	0	2.360	3.86E+01	2.95E+01
Ho-151	0	1.397	2.45E+01	1.75E+01
Ho-151m	0	0.000	0.00E+00	0.00E+00
Ho-152	0	0.760	1.39E+01	9.50E+00
Ho-152m	0	1.990	3.35E+01	2.49E+01
Ho-153	0	1.518	2.64E+01	1.90E+01
Ho-153m	0	0.000	0.00E+00	0.00E+00
Ho-154	0	1.740	2.98E+01	2.18E+01
Ho-154m	0	3.015	4.72E+01	3.77E+01
Ho-155	1	0.415	7.08E+00	5.09E+00
Ho-156	0	1.472	2.57E+01	1.84E+01
Ho-156m	0	0.001	0.00E+00	1.29E-02
Ho-156n	0	1.899	3.22E+01	2.37E+01
Ho-157	1	0.522	9.25E+00	6.43E+00
Ho-158	0	3.178	4.92E+01	3.97E+01
Ho-158m	0	3.179	4.92E+01	3.97E+01
Ho-158n	0	0.000	0.00E+00	0.00E+00
Ho-159	1	0.398	6.73E+00	4.77E+00
Ho-159m	0	0.100	1.36E+00	1.25E+00
Ho-160	0	1.780	3.04E+01	2.23E+01
Ho-160m	0	0.001	0.00E+00	1.09E-02
Ho-160n	0	0.103	1.39E+00	1.29E+00
Ho-161	1	0.057	7.68E-01	8.19E-01
Ho-161m	0	0.104	1.40E+00	1.30E+00
Ho-162	1	0.170	2.29E+00	2.17E+00
Ho-162m	1	0.532	9.45E+00	7.34E+00
Ho-163	0	0.000	0.00E+00	0.00E+00
Ho-163m	0	0.238	3.54E+00	2.98E+00
Ho-164	1	0.030	1.90E+00	4.04E-01
Ho-164m	1	0.048	8.96E-01	6.17E-01
Ho-165	0	0.000	0.00E+00	0.00E+00
Ho-166	1	0.030	1.84E+00	4.01E-01
Ho-166m	1	1.750	2.99E+01	2.26E+01
Ho-167	1	0.368	6.10E+00	4.78E+00
Ho-168	0	0.863	1.57E+01	1.08E+01

Ho-168m	0	0.007	9.18E-01	9.10E-02
Ho-169	0	0.670	1.21E+01	8.38E+00
Ho-170	0	2.000	3.36E+01	2.50E+01
Ho-170m	0	0.000	0.00E+00	0.00E+00
Ho-171	0	0.000	0.00E+00	0.00E+00
Ho-172	0	0.890	1.62E+01	1.11E+01
Ho-173	0	0.000	0.00E+00	0.00E+00
Ho-174	0	0.000	0.00E+00	0.00E+00
Ho-175	0	0.000	0.00E+00	0.00E+00
Er-143	0	0.000	0.00E+00	0.00E+00
Er-144	0	0.000	0.00E+00	0.00E+00
Er-145	0	0.000	0.00E+00	0.00E+00
Er-146	0	0.000	0.00E+00	0.00E+00
Er-147	0	0.000	0.00E+00	0.00E+00
Er-147m	0	0.000	0.00E+00	0.00E+00
Er-148	0	0.000	0.00E+00	0.00E+00
Er-149	0	1.025	1.86E+01	1.28E+01
Er-149m	0	2.749	4.37E+01	3.44E+01
Er-150	0	0.497	8.76E+00	6.22E+00
Er-151	0	2.124	3.54E+01	2.66E+01
Er-151m	0	3.423	5.22E+01	4.28E+01
Er-152	0	1.042	1.89E+01	1.30E+01
Er-153	0	1.341	2.37E+01	1.68E+01
Er-154	0	0.000	0.00E+00	0.00E+00
Er-155	0	0.000	0.00E+00	0.00E+00
Er-156	0	1.078	1.95E+01	1.35E+01
Er-157	0	1.201	2.15E+01	1.50E+01
Er-157m	0	0.000	0.00E+00	0.00E+00
Er-158	0	0.081	1.24E+00	1.01E+00
Er-159	0	0.896	1.63E+01	1.12E+01
Er-160	0	0.037	1.26E+00	4.64E-01
Er-161	1	0.998	1.81E+01	1.18E+01
Er-162	0	0.000	0.00E+00	0.00E+00
Er-163	0	0.041	1.09E+00	5.11E-01
Er-164	0	0.000	0.00E+00	0.00E+00
Er-165	1	0.037	1.28E+00	5.11E-01
Er-166	0	0.000	0.00E+00	0.00E+00
Er-167	0	0.000	0.00E+00	0.00E+00
Er-167m	0	0.098	1.34E+00	1.23E+00
Er-168	0	0.000	0.00E+00	0.00E+00
Er-169	1	0.000	0.00E+00	1.08E-03
Er-170	0	0.000	0.00E+00	0.00E+00
Er-171	1	0.373	6.21E+00	4.97E+00
Er-172	1	0.499	8.80E+00	6.86E+00
Er-173	0	0.832	1.52E+01	1.04E+01
Er-174	0	0.331	5.35E+00	4.14E+00
Er-175	0	0.768	1.40E+01	9.60E+00

Er-176	0	0.000	0.00E+00	0.00E+00
Er-177	0	0.000	0.00E+00	0.00E+00
Tm-145	0	0.000	0.00E+00	0.00E+00
Tm-146	0	0.000	0.00E+00	0.00E+00
Tm-146m	0	0.000	0.00E+00	0.00E+00
Tm-147	0	0.000	0.00E+00	0.00E+00
Tm-148	0	0.000	0.00E+00	0.00E+00
Tm-149	0	0.000	0.00E+00	0.00E+00
Tm-150	0	0.000	0.00E+00	0.00E+00
Tm-150m	0	3.614	5.45E+01	4.52E+01
Tm-150n	0	0.000	0.00E+00	0.00E+00
Tm-151	0	2.840	4.49E+01	3.55E+01
Tm-151m	0	3.238	4.99E+01	4.05E+01
Tm-152	0	1.023	1.85E+01	1.28E+01
Tm-152m	0	2.758	4.39E+01	3.45E+01
Tm-153	0	1.072	1.94E+01	1.34E+01
Tm-153m	0	0.019	3.25E+00	2.41E-01
Tm-154	0	0.260	3.95E+00	3.25E+00
Tm-154m	0	0.894	1.63E+01	1.12E+01
Tm-155	0	0.308	4.89E+00	3.86E+00
Tm-155m	0	0.000	0.00E+00	0.00E+00
Tm-156	0	1.030	1.87E+01	1.29E+01
Tm-157	0	0.373	6.22E+00	4.67E+00
Tm-158	0	1.877	3.18E+01	2.35E+01
Tm-159	0	0.638	1.15E+01	7.98E+00
Tm-160	0	0.000	0.00E+00	0.00E+00
Tm-160m	0	1.145	2.06E+01	1.43E+01
Tm-161	0	1.080	1.95E+01	1.35E+01
Tm-161m	0	0.000	0.00E+00	0.00E+00
Tm-162	1	1.480	2.58E+01	2.18E+01
Tm-162m	0	0.292	4.56E+00	3.65E+00
Tm-163	0	1.267	2.25E+01	1.58E+01
Tm-164	0	0.725	1.32E+01	9.06E+00
Tm-164m	0	0.384	6.43E+00	4.79E+00
Tm-165	0	0.532	9.45E+00	6.65E+00
Tm-166	1	1.910	3.23E+01	2.33E+01
Tm-166m	0	0.000	0.00E+00	0.00E+00
Tm-167	1	0.146	1.89E+00	1.90E+00
Tm-168	0	1.150	2.06E+01	1.44E+01
Tm-169	0	0.000	0.00E+00	0.00E+00
Tm-170	1	0.006	9.72E-02	7.87E-02
Tm-171	1	0.001	0.00E+00	8.54E-03
Tm-172	1	0.474	8.29E+00	5.94E+00
Tm-173	1	0.389	6.53E+00	5.11E+00
Tm-174	0	1.775	3.03E+01	2.22E+01
Tm-175	1	1.072	1.94E+01	1.36E+01
Tm-176	0	1.950	3.29E+01	2.44E+01

Tm-177	0	0.000	0.00E+00	0.00E+00
Tm-178	0	0.000	0.00E+00	0.00E+00
Tm-179	0	0.000	0.00E+00	0.00E+00
Yb-148	0	0.000	0.00E+00	0.00E+00
Yb-149	0	0.000	0.00E+00	0.00E+00
Yb-150	0	0.000	0.00E+00	0.00E+00
Yb-151	0	0.000	0.00E+00	0.00E+00
Yb-151m	0	0.000	0.00E+00	0.00E+00
Yb-152	0	2.493	4.04E+01	3.12E+01
Yb-153	0	2.457	3.99E+01	3.07E+01
Yb-154	0	0.007	5.23E-01	8.40E-02
Yb-155	0	0.000	0.00E+00	0.00E+00
Yb-156	0	0.000	0.00E+00	0.00E+00
Yb-157	0	0.185	2.56E+00	2.31E+00
Yb-158	0	0.056	7.75E-01	7.03E-01
Yb-159	0	0.000	0.00E+00	0.00E+00
Yb-160	0	1.260	2.24E+01	1.58E+01
Yb-161	0	0.812	1.48E+01	1.01E+01
Yb-162	1	0.136	1.76E+00	1.77E+00
Yb-163	0	0.811	1.48E+01	1.01E+01
Yb-164	0	0.051	8.35E-01	6.40E-01
Yb-165	0	0.338	5.49E+00	4.22E+00
Yb-166	1	0.087	1.27E+00	1.15E+00
Yb-167	1	0.263	4.01E+00	3.46E+00
Yb-168	0	0.000	0.00E+00	0.00E+00
Yb-169	1	0.313	4.98E+00	4.05E+00
Yb-169m	0	0.001	0.00E+00	1.56E-02
Yb-170	0	0.000	0.00E+00	0.00E+00
Yb-171	0	0.000	0.00E+00	0.00E+00
Yb-171m	0	0.000	0.00E+00	0.00E+00
Yb-172	0	0.000	0.00E+00	0.00E+00
Yb-173	0	0.000	0.00E+00	0.00E+00
Yb-174	0	0.000	0.00E+00	0.00E+00
Yb-175	1	0.040	1.12E+00	5.21E-01
Yb-175m	0	0.000	0.00E+00	0.00E+00
Yb-176	0	0.000	0.00E+00	0.00E+00
Yb-176m	0	0.889	1.62E+01	1.11E+01
Yb-177	1	0.199	2.83E+00	2.40E+00
Yb-177m	0	0.149	1.94E+00	1.86E+00
Yb-178	1	0.616	1.11E+01	4.62E-01
Yb-179	0	0.886	1.61E+01	1.11E+01
Yb-180	0	0.926	1.69E+01	1.16E+01
Yb-181	0	0.000	0.00E+00	0.00E+00
Lu-150	0	0.000	0.00E+00	0.00E+00
Lu-151	0	0.000	0.00E+00	0.00E+00
Lu-152	0	2.826	4.47E+01	3.53E+01
Lu-153	0	2.363	3.86E+01	2.95E+01

Lu-153m	0	0.000	0.00E+00	0.00E+00
Lu-154	0	2.320	3.81E+01	2.90E+01
Lu-154m	0	1.864	3.16E+01	2.33E+01
Lu-155	0	0.000	0.00E+00	0.00E+00
Lu-155m	0	0.000	0.00E+00	0.00E+00
Lu-155n	0	0.000	0.00E+00	0.00E+00
Lu-156	0	0.000	0.00E+00	0.00E+00
Lu-156m	0	0.000	0.00E+00	0.00E+00
Lu-157	0	0.000	0.00E+00	0.00E+00
Lu-157m	0	0.000	0.00E+00	0.00E+00
Lu-158	0	0.000	0.00E+00	0.00E+00
Lu-159	0	0.000	0.00E+00	0.00E+00
Lu-159m	0	0.000	0.00E+00	0.00E+00
Lu-160	0	0.000	0.00E+00	0.00E+00
Lu-160m	0	0.000	0.00E+00	0.00E+00
Lu-161	0	0.000	0.00E+00	0.00E+00
Lu-161m	0	0.080	1.24E+00	1.00E+00
Lu-162	0	0.000	0.00E+00	0.00E+00
Lu-162m	0	0.000	0.00E+00	0.00E+00
Lu-162n	0	0.000	0.00E+00	0.00E+00
Lu-163	0	0.000	0.00E+00	0.00E+00
Lu-164	0	0.000	0.00E+00	0.00E+00
Lu-165	0	0.858	1.56E+01	1.07E+01
Lu-166	0	1.860	3.16E+01	2.33E+01
Lu-166m	0	1.580	2.74E+01	1.98E+01
Lu-166n	0	1.740	2.98E+01	2.18E+01
Lu-167	0	1.046	1.89E+01	1.31E+01
Lu-167m	0	0.000	0.00E+00	0.00E+00
Lu-168	0	0.078	1.22E+00	9.70E-01
Lu-168m	0	0.126	1.63E+00	1.58E+00
Lu-169	1	1.310	2.32E+01	1.31E+01
Lu-169m	0	0.001	0.00E+00	1.70E-02
Lu-170	1	2.680	4.28E+01	2.98E+01
Lu-170m	0	0.003	0.00E+00	4.29E-02
Lu-171	1	0.666	1.20E+01	9.06E+00
Lu-171m	0	0.002	0.00E+00	2.17E-02
Lu-172	1	1.965	3.31E+01	2.41E+01
Lu-172m	0	0.001	0.00E+00	1.71E-02
Lu-173	1	0.103	1.39E+00	1.70E+00
Lu-174	1	0.137	1.77E+00	1.60E+00
Lu-174m	1	0.060	7.56E-01	8.05E-01
Lu-175	0	0.000	0.00E+00	0.00E+00
Lu-176	1	0.479	8.38E+00	6.37E+00
Lu-176m	1	0.014	3.75E+00	1.96E-01
Lu-177	1	0.033	1.52E+00	4.52E-01
Lu-177m	1	0.998	1.81E+01	1.30E+01
Lu-177n	0	0.000	0.00E+00	0.00E+00

Lu-178	1	0.152	1.99E+00	1.78E+00
Lu-178m	1	1.060	1.92E+01	1.45E+01
Lu-179	1	0.032	1.62E+00	4.17E-01
Lu-179m	0	0.000	0.00E+00	0.00E+00
Lu-180	0	1.570	2.72E+01	1.96E+01
Lu-180m	0	0.000	0.00E+00	0.00E+00
Lu-180n	0	0.000	0.00E+00	0.00E+00
Lu-181	0	0.542	9.64E+00	6.78E+00
Lu-182	0	0.000	0.00E+00	0.00E+00
Lu-183	0	0.645	1.16E+01	8.07E+00
Lu-184	0	0.549	9.78E+00	6.86E+00
Hf-153	0	0.000	0.00E+00	0.00E+00
Hf-153m	0	0.000	0.00E+00	0.00E+00
Hf-154	0	0.000	0.00E+00	0.00E+00
Hf-155	0	0.000	0.00E+00	0.00E+00
Hf-156	0	0.000	0.00E+00	0.00E+00
Hf-157	0	0.000	0.00E+00	0.00E+00
Hf-158	0	0.000	0.00E+00	0.00E+00
Hf-159	0	0.000	0.00E+00	0.00E+00
Hf-160	0	0.000	0.00E+00	0.00E+00
Hf-161	0	0.000	0.00E+00	0.00E+00
Hf-162	0	0.358	5.91E+00	4.48E+00
Hf-163	0	0.000	0.00E+00	0.00E+00
Hf-164	0	0.000	0.00E+00	0.00E+00
Hf-165	0	0.000	0.00E+00	0.00E+00
Hf-166	0	0.188	2.62E+00	2.35E+00
Hf-167	0	0.744	1.35E+01	9.30E+00
Hf-168	0	0.000	0.00E+00	0.00E+00
Hf-169	0	0.553	9.86E+00	6.91E+00
Hf-170	1	0.579	1.04E+01	7.15E+00
Hf-171	0	0.000	0.00E+00	0.00E+00
Hf-171m	0	0.000	0.00E+00	0.00E+00
Hf-172	1	0.105	1.40E+00	1.51E+00
Hf-173	1	0.401	6.79E+00	5.27E+00
Hf-174	0	0.000	0.00E+00	0.00E+00
Hf-175	1	0.352	5.78E+00	4.84E+00
Hf-176	0	0.000	0.00E+00	0.00E+00
Hf-177	0	0.000	0.00E+00	0.00E+00
Hf-177m	1	1.064	1.92E+01	2.93E+01
Hf-177n	0	1.133	2.04E+01	1.42E+01
Hf-178	0	0.000	0.00E+00	0.00E+00
Hf-178m	1	1.003	1.82E+01	3.08E+01
Hf-178n	0	1.236	2.20E+01	1.54E+01
Hf-179	0	0.000	0.00E+00	0.00E+00
Hf-179m	1	0.237	3.51E+00	1.17E+01
Hf-179n	0	0.891	1.62E+01	1.11E+01
Hf-180	0	0.000	0.00E+00	0.00E+00

Hf-180m	1	0.998	1.81E+01	1.32E+01
Hf-181	1	0.518	9.17E+00	7.27E+00
Hf-182	1	0.239	3.55E+00	3.10E+00
Hf-182m	1	0.986	1.79E+01	1.21E+01
Hf-183	1	0.753	1.37E+01	9.78E+00
Hf-184	1	0.251	3.78E+00	3.20E+00
Hf-184m	0	0.000	0.00E+00	0.00E+00
Hf-185	0	0.000	0.00E+00	0.00E+00
Hf-186	0	0.000	0.00E+00	0.00E+00
Hf-187	0	0.000	0.00E+00	0.00E+00
Hf-188	0	0.000	0.00E+00	0.00E+00
Ta-155	0	0.000	0.00E+00	0.00E+00
Ta-156	0	0.000	0.00E+00	0.00E+00
Ta-156m	0	0.000	0.00E+00	0.00E+00
Ta-157	0	0.000	0.00E+00	0.00E+00
Ta-157m	0	0.000	0.00E+00	0.00E+00
Ta-157n	0	0.000	0.00E+00	0.00E+00
Ta-158	0	0.000	0.00E+00	0.00E+00
Ta-158m	0	0.000	0.00E+00	0.00E+00
Ta-159	0	0.000	0.00E+00	0.00E+00
Ta-159m	0	0.000	0.00E+00	0.00E+00
Ta-160	0	0.000	0.00E+00	0.00E+00
Ta-160m	0	0.000	0.00E+00	0.00E+00
Ta-161	0	0.000	0.00E+00	0.00E+00
Ta-161m	0	0.000	0.00E+00	0.00E+00
Ta-162	0	0.000	0.00E+00	0.00E+00
Ta-163	0	0.000	0.00E+00	0.00E+00
Ta-164	0	1.745	2.99E+01	2.18E+01
Ta-165	0	0.000	0.00E+00	0.00E+00
Ta-166	0	1.651	2.84E+01	2.06E+01
Ta-167	0	0.000	0.00E+00	0.00E+00
Ta-168	0	0.722	1.31E+01	9.02E+00
Ta-169	0	0.000	0.00E+00	0.00E+00
Ta-170	0	0.999	1.81E+01	1.25E+01
Ta-171	0	0.000	0.00E+00	0.00E+00
Ta-172	1	1.690	2.90E+01	1.97E+01
Ta-173	1	0.670	1.21E+01	7.57E+00
Ta-174	1	0.915	1.67E+01	8.11E+00
Ta-175	1	1.060	1.92E+01	1.17E+01
Ta-176	1	2.140	3.56E+01	2.62E+01
Ta-176m	0	0.000	0.00E+00	0.00E+00
Ta-176n	0	0.000	0.00E+00	0.00E+00
Ta-177	1	0.068	7.95E-01	8.75E-01
Ta-178	1	0.122	1.58E+00	1.39E+00
Ta-178m	1	1.160	2.08E+01	1.33E+01
Ta-178n	0	0.000	0.00E+00	0.00E+00
Ta-179	1	0.027	2.20E+00	4.21E-01

Ta-179m	0	0.000	0.00E+00	0.00E+00
Ta-179n	0	0.000	0.00E+00	0.00E+00
Ta-180	1	0.046	9.26E-01	7.26E+00
Ta-180m	1	0.000	0.00E+00	6.34E-01
Ta-181	0	0.000	0.00E+00	0.00E+00
Ta-182	1	1.291	2.29E+01	1.64E+01
Ta-182m	1	0.002	0.00E+00	3.21E+00
Ta-182n	0	0.267	4.08E+00	3.33E+00
Ta-183	1	0.294	4.60E+00	3.77E+00
Ta-184	1	1.562	2.71E+01	2.09E+01
Ta-185	1	0.145	1.88E+00	2.52E+00
Ta-185m	0	0.000	0.00E+00	0.00E+00
Ta-186	1	1.570	2.72E+01	2.04E+01
Ta-187	0	0.000	0.00E+00	0.00E+00
Ta-188	0	0.000	0.00E+00	0.00E+00
Ta-189	0	0.000	0.00E+00	0.00E+00
Ta-190	0	0.000	0.00E+00	0.00E+00
W-158	0	0.000	0.00E+00	0.00E+00
W-159	0	0.000	0.00E+00	0.00E+00
W-160	0	0.000	0.00E+00	0.00E+00
W-161	0	0.000	0.00E+00	0.00E+00
W-162	0	0.000	0.00E+00	0.00E+00
W-163	0	0.000	0.00E+00	0.00E+00
W-164	0	0.000	0.00E+00	0.00E+00
W-165	0	0.000	0.00E+00	0.00E+00
W-166	0	1.139	2.05E+01	1.42E+01
W-167	0	0.000	0.00E+00	0.00E+00
W-168	0	1.046	1.89E+01	1.31E+01
W-169	0	0.000	0.00E+00	0.00E+00
W-170	0	0.000	0.00E+00	0.00E+00
W-171	0	0.006	2.41E-01	7.73E-02
W-172	0	0.000	0.00E+00	0.00E+00
W-173	0	1.058	1.91E+01	1.32E+01
W-174	0	0.000	0.00E+00	0.00E+00
W-175	0	0.058	7.62E-01	7.23E-01
W-176	1	0.119	1.54E+00	2.28E+00
W-177	1	0.911	1.66E+01	1.16E+01
W-178	1	0.016	3.65E+00	1.73E-01
W-179	1	0.000	0.00E+00	7.81E-01
W-179m	0	0.055	7.85E-01	6.90E-01
W-180	0	0.000	0.00E+00	0.00E+00
W-180m	0	0.000	0.00E+00	0.00E+00
W-181	1	0.040	1.14E+00	5.23E-01
W-182	0	0.000	0.00E+00	0.00E+00
W-183	0	0.000	0.00E+00	0.00E+00
W-183m	0	0.128	1.65E+00	1.60E+00
W-184	0	0.000	0.00E+00	0.00E+00

W-185	1	0.000	0.00E+00	2.45E-03
W-185m	0	0.027	2.19E+00	3.43E-01
W-186	0	0.000	0.00E+00	0.00E+00
W-186m	0	0.000	0.00E+00	0.00E+00
W-187	1	0.448	7.75E+00	6.25E+00
W-188	1	0.002	0.00E+00	2.56E-02
W-189	0	0.000	0.00E+00	0.00E+00
W-190	0	0.150	1.96E+00	1.88E+00
W-190m	0	0.000	0.00E+00	0.00E+00
W-191	0	0.000	0.00E+00	0.00E+00
W-192	0	0.000	0.00E+00	0.00E+00
Re-160	0	0.000	0.00E+00	0.00E+00
Re-161	0	0.000	0.00E+00	0.00E+00
Re-161m	0	0.000	0.00E+00	0.00E+00
Re-162	0	0.000	0.00E+00	0.00E+00
Re-162m	0	0.000	0.00E+00	0.00E+00
Re-163	0	0.000	0.00E+00	0.00E+00
Re-163m	0	0.000	0.00E+00	0.00E+00
Re-164	0	0.000	0.00E+00	0.00E+00
Re-164m	0	0.000	0.00E+00	0.00E+00
Re-165	0	0.000	0.00E+00	0.00E+00
Re-165m	0	0.000	0.00E+00	0.00E+00
Re-166	0	0.000	0.00E+00	0.00E+00
Re-166m	0	0.000	0.00E+00	0.00E+00
Re-167	0	0.000	0.00E+00	0.00E+00
Re-167m	0	0.000	0.00E+00	0.00E+00
Re-168	0	0.000	0.00E+00	0.00E+00
Re-169	0	0.000	0.00E+00	0.00E+00
Re-169m	0	0.000	0.00E+00	0.00E+00
Re-170	0	2.587	4.16E+01	3.23E+01
Re-171	0	1.384	2.43E+01	1.73E+01
Re-172	0	0.000	0.00E+00	0.00E+00
Re-172m	0	0.000	0.00E+00	0.00E+00
Re-173	0	0.000	0.00E+00	0.00E+00
Re-174	0	0.374	6.22E+00	4.67E+00
Re-175	0	0.000	0.00E+00	0.00E+00
Re-176	0	1.884	3.19E+01	2.35E+01
Re-177	1	0.095	1.32E+00	7.86E+00
Re-178	1	1.390	2.44E+01	1.51E+01
Re-179	0	1.090	1.97E+01	1.36E+01
Re-180	1	1.190	2.13E+01	1.53E+01
Re-181	1	0.810	1.48E+01	9.98E+00
Re-182	1	1.920	3.25E+01	2.38E+01
Re-182m	1	1.180	2.11E+01	1.49E+01
Re-183	0	0.155	2.03E+00	1.93E+00
Re-183m	0	1.562	2.71E+01	1.95E+01
Re-184	1	0.893	1.63E+01	1.15E+01

Re-184m	1	0.381	6.38E+00	4.99E+00
Re-185	0	0.000	0.00E+00	0.00E+00
Re-186	1	0.021	3.06E+00	2.72E-01
Re-186m	1	0.021	3.02E+00	1.94E-01
Re-187	1	0.000	0.00E+00	0.00E+00
Re-188	1	0.061	7.59E-01	7.87E-01
Re-188m	1	0.073	1.21E+00	1.01E+00
Re-189	1	0.055	7.85E-01	8.98E-01
Re-190	0	1.339	2.36E+01	1.67E+01
Re-190m	0	0.860	1.57E+01	1.08E+01
Re-191	0	0.000	0.00E+00	0.00E+00
Re-192	0	0.000	0.00E+00	0.00E+00
Re-193	0	0.000	0.00E+00	0.00E+00
Re-194	0	0.000	0.00E+00	0.00E+00
Os-162	0	0.000	0.00E+00	0.00E+00
Os-163	0	0.000	0.00E+00	0.00E+00
Os-164	0	0.000	0.00E+00	0.00E+00
Os-165	0	0.000	0.00E+00	0.00E+00
Os-166	0	0.000	0.00E+00	0.00E+00
Os-167	0	0.000	0.00E+00	0.00E+00
Os-168	0	0.000	0.00E+00	0.00E+00
Os-169	0	0.000	0.00E+00	0.00E+00
Os-170	0	0.000	0.00E+00	0.00E+00
Os-171	0	1.287	2.28E+01	1.61E+01
Os-172	0	0.000	0.00E+00	0.00E+00
Os-173	0	0.000	0.00E+00	0.00E+00
Os-174	0	0.000	0.00E+00	0.00E+00
Os-175	0	0.000	0.00E+00	0.00E+00
Os-176	0	0.000	0.00E+00	0.00E+00
Os-177	0	0.140	1.81E+00	1.76E+00
Os-178	0	0.000	0.00E+00	0.00E+00
Os-179	0	0.000	0.00E+00	0.00E+00
Os-180	1	0.005	5.36E-02	8.02E-01
Os-181	1	1.390	2.44E+01	1.56E+01
Os-181m	0	0.231	3.40E+00	2.89E+00
Os-182	1	0.429	7.36E+00	5.66E+00
Os-183	0	0.533	9.47E+00	6.66E+00
Os-183m	0	1.030	1.87E+01	1.29E+01
Os-184	0	0.000	0.00E+00	0.00E+00
Os-185	1	0.713	1.29E+01	9.38E+00
Os-186	0	0.000	0.00E+00	0.00E+00
Os-187	0	0.000	0.00E+00	0.00E+00
Os-188	0	0.000	0.00E+00	0.00E+00
Os-189	0	0.000	0.00E+00	0.00E+00
Os-189m	1	0.002	0.00E+00	4.17E-04
Os-190	0	0.000	0.00E+00	0.00E+00
Os-190m	1	1.589	2.75E+01	2.08E+01

Os-191	1	0.074	1.21E+00	9.83E-01
Os-191m	1	0.000	0.00E+00	9.58E-02
Os-192	0	0.000	0.00E+00	0.00E+00
Os-192m	0	1.890	3.20E+01	2.36E+01
Os-193	1	0.069	8.19E-01	9.63E-01
Os-194	1	0.002	0.00E+00	1.52E-02
Os-195	0	0.000	0.00E+00	0.00E+00
Os-196	0	0.069	1.00E+00	8.69E-01
Ir-164	0	0.000	0.00E+00	0.00E+00
Ir-164m	0	0.000	0.00E+00	0.00E+00
Ir-165	0	0.000	0.00E+00	0.00E+00
Ir-166	0	0.000	0.00E+00	0.00E+00
Ir-166m	0	0.000	0.00E+00	0.00E+00
Ir-167	0	0.000	0.00E+00	0.00E+00
Ir-167m	0	0.000	0.00E+00	0.00E+00
Ir-168	0	0.000	0.00E+00	0.00E+00
Ir-168m	0	0.000	0.00E+00	0.00E+00
Ir-169	0	0.000	0.00E+00	0.00E+00
Ir-169m	0	0.000	0.00E+00	0.00E+00
Ir-170	0	0.000	0.00E+00	0.00E+00
Ir-170m	0	0.000	0.00E+00	0.00E+00
Ir-171	0	0.000	0.00E+00	0.00E+00
Ir-171m	0	0.000	0.00E+00	0.00E+00
Ir-172	0	0.000	0.00E+00	0.00E+00
Ir-172m	0	0.000	0.00E+00	0.00E+00
Ir-173	0	0.000	0.00E+00	0.00E+00
Ir-173m	0	0.000	0.00E+00	0.00E+00
Ir-174	0	0.001	0.00E+00	1.16E-02
Ir-174m	0	0.004	2.68E-04	5.46E-02
Ir-175	0	0.000	0.00E+00	0.00E+00
Ir-176	0	0.000	0.00E+00	0.00E+00
Ir-177	0	1.094	1.97E+01	1.37E+01
Ir-178	0	0.000	0.00E+00	0.00E+00
Ir-179	0	0.072	1.21E+00	9.04E-01
Ir-180	0	0.687	1.24E+01	8.59E+00
Ir-181	0	0.000	0.00E+00	0.00E+00
Ir-182	1	1.310	2.32E+01	1.74E+01
Ir-183	0	0.898	1.64E+01	1.12E+01
Ir-184	1	1.900	3.22E+01	2.42E+01
Ir-185	1	0.539	9.59E+00	7.35E+00
Ir-186	1	1.537	2.67E+01	2.08E+01
Ir-186m	1	0.887	1.62E+01	1.24E+01
Ir-187	1	0.346	5.66E+00	4.68E+00
Ir-187m	0	0.000	0.00E+00	0.00E+00
Ir-188	1	2.100	3.50E+01	1.94E+01
Ir-188m	0	0.000	0.00E+00	0.00E+00
Ir-189	1	0.077	1.22E+00	1.02E+00

Ir-189m	0	0.190	2.65E+00	2.37E+00
Ir-189n	0	1.958	3.30E+01	2.45E+01
Ir-190	1	1.472	2.57E+01	1.88E+01
Ir-190m	1	0.002	0.00E+00	5.07E-04
Ir-190n	1	0.039	1.17E+00	2.04E+01
Ir-191	0	0.000	0.00E+00	0.00E+00
Ir-191m	1	0.074	1.21E+00	9.20E-01
Ir-191n	0	0.000	0.00E+00	0.00E+00
Ir-192	1	0.816	1.49E+01	1.07E+01
Ir-192m	1	0.002	0.00E+00	2.06E+00
Ir-192n	0	0.003	0.00E+00	4.28E-02
Ir-193	0	0.000	0.00E+00	0.00E+00
Ir-193m	0	0.002	0.00E+00	2.88E-02
Ir-194	1	0.095	1.33E+00	1.22E+00
Ir-194m	1	0.052	8.16E-01	3.06E+01
Ir-194n	0	2.327	3.82E+01	2.91E+01
Ir-195	1	0.057	7.66E-01	7.35E-01
Ir-195m	1	0.418	7.14E+00	5.42E+00
Ir-196	0	0.225	3.29E+00	2.81E+00
Ir-196m	0	2.453	3.98E+01	3.07E+01
Ir-197	0	0.000	0.00E+00	0.00E+00
Ir-197m	0	0.000	0.00E+00	0.00E+00
Ir-198	0	0.000	0.00E+00	0.00E+00
Ir-199	0	0.000	0.00E+00	0.00E+00
Pt-166	0	0.000	0.00E+00	0.00E+00
Pt-167	0	0.000	0.00E+00	0.00E+00
Pt-168	0	0.000	0.00E+00	0.00E+00
Pt-169	0	0.000	0.00E+00	0.00E+00
Pt-170	0	0.000	0.00E+00	0.00E+00
Pt-171	0	0.000	0.00E+00	0.00E+00
Pt-172	0	0.000	0.00E+00	0.00E+00
Pt-173	0	0.000	0.00E+00	0.00E+00
Pt-174	0	0.000	0.00E+00	0.00E+00
Pt-175	0	0.000	0.00E+00	0.00E+00
Pt-176	0	0.000	0.00E+00	0.00E+00
Pt-177	0	0.000	0.00E+00	0.00E+00
Pt-178	0	0.000	0.00E+00	0.00E+00
Pt-179	0	0.000	0.00E+00	0.00E+00
Pt-180	0	0.000	0.00E+00	0.00E+00
Pt-181	0	0.000	0.00E+00	0.00E+00
Pt-182	0	0.000	0.00E+00	0.00E+00
Pt-183	0	0.000	0.00E+00	0.00E+00
Pt-183m	0	1.163	2.08E+01	1.45E+01
Pt-184	0	0.678	1.23E+01	8.47E+00
Pt-184m	0	1.559	2.70E+01	1.95E+01
Pt-185	0	0.000	0.00E+00	0.00E+00
Pt-185m	0	0.000	0.00E+00	0.00E+00

Pt-186	1	0.672	1.22E+01	9.64E+00
Pt-187	0	0.443	7.65E+00	5.54E+00
Pt-188	1	0.204	2.90E+00	2.58E+00
Pt-189	1	0.313	4.98E+00	4.18E+00
Pt-190	0	0.000	0.00E+00	0.00E+00
Pt-191	1	0.296	4.64E+00	3.94E+00
Pt-192	0	0.000	0.00E+00	0.00E+00
Pt-193	1	0.002	0.00E+00	1.59E-03
Pt-193m	1	0.000	0.00E+00	1.39E-01
Pt-194	0	0.000	0.00E+00	0.00E+00
Pt-195	0	0.000	0.00E+00	0.00E+00
Pt-195m	1	0.074	1.21E+00	9.15E-01
Pt-196	0	0.000	0.00E+00	0.00E+00
Pt-197	1	0.025	2.53E+00	3.02E-01
Pt-197m	1	0.083	1.25E+00	1.03E+00
Pt-198	0	0.000	0.00E+00	0.00E+00
Pt-199	1	0.203	2.88E+00	2.66E+00
Pt-199m	0	0.342	5.57E+00	4.28E+00
Pt-200	1	0.059	7.51E-01	7.53E-01
Pt-201	0	0.000	0.00E+00	0.00E+00
Pt-202	0	0.000	0.00E+00	0.00E+00
Au-169	0	0.000	0.00E+00	0.00E+00
Au-170	0	0.000	0.00E+00	0.00E+00
Au-170m	0	0.000	0.00E+00	0.00E+00
Au-171	0	0.000	0.00E+00	0.00E+00
Au-171m	0	0.000	0.00E+00	0.00E+00
Au-172	0	0.000	0.00E+00	0.00E+00
Au-173	0	0.000	0.00E+00	0.00E+00
Au-173m	0	0.000	0.00E+00	0.00E+00
Au-174	0	0.000	0.00E+00	0.00E+00
Au-174m	0	0.000	0.00E+00	0.00E+00
Au-175	0	0.000	0.00E+00	0.00E+00
Au-175m	0	0.000	0.00E+00	0.00E+00
Au-176	0	0.000	0.00E+00	0.00E+00
Au-176m	0	0.000	0.00E+00	0.00E+00
Au-177	0	0.000	0.00E+00	0.00E+00
Au-177m	0	0.000	0.00E+00	0.00E+00
Au-178	0	0.000	0.00E+00	0.00E+00
Au-179	0	0.000	0.00E+00	0.00E+00
Au-180	0	0.000	0.00E+00	0.00E+00
Au-181	0	0.000	0.00E+00	0.00E+00
Au-182	0	0.000	0.00E+00	0.00E+00
Au-183	0	1.924	3.25E+01	2.41E+01
Au-184	0	1.009	1.83E+01	1.26E+01
Au-184m	0	0.000	0.00E+00	1.25E-04
Au-185	0	0.000	0.00E+00	0.00E+00
Au-186	0	1.393	2.45E+01	1.74E+01

Au-187	0	1.944	3.28E+01	2.43E+01
Au-187m	0	0.004	1.81E-06	4.83E-02
Au-188	0	0.000	0.00E+00	0.00E+00
Au-189	0	0.848	1.55E+01	1.06E+01
Au-189m	0	1.200	2.14E+01	1.50E+01
Au-190	0	1.990	3.35E+01	2.49E+01
Au-190m	0	0.000	0.00E+00	0.00E+00
Au-191	0	0.559	9.98E+00	6.99E+00
Au-191m	0	0.200	2.83E+00	2.50E+00
Au-192	0	1.900	3.22E+01	2.38E+01
Au-192m	0	0.000	0.00E+00	0.00E+00
Au-192n	0	0.001	0.00E+00	8.38E-03
Au-193	1	0.176	2.40E+00	2.04E+00
Au-193m	0	0.194	2.73E+00	2.43E+00
Au-194	1	1.070	1.93E+01	1.33E+01
Au-194m	0	0.011	3.18E+00	1.32E-01
Au-194n	0	0.156	2.05E+00	1.95E+00
Au-195	1	0.083	1.25E+00	1.04E+00
Au-195m	1	0.202	2.87E+00	2.57E+00
Au-196	0	0.471	8.22E+00	5.88E+00
Au-196m	0	0.003	0.00E+00	3.91E-02
Au-196n	0	0.234	3.46E+00	2.92E+00
Au-197	0	0.000	0.00E+00	0.00E+00
Au-197m	0	0.232	3.42E+00	2.90E+00
Au-198	1	0.403	6.83E+00	5.34E+00
Au-198m	1	0.543	9.67E+00	7.37E+00
Au-199	1	0.095	1.32E+00	1.13E+00
Au-200	1	0.273	4.20E+00	3.50E+00
Au-200m	1	2.020	3.39E+01	2.72E+01
Au-201	1	0.055	7.92E-01	7.10E-01
Au-202	0	0.158	2.08E+00	1.97E+00
Au-203	0	0.008	1.43E+00	9.89E-02
Au-204	0	1.950	3.29E+01	2.44E+01
Au-205	0	0.452	7.84E+00	5.65E+00
Hg-171	0	0.000	0.00E+00	0.00E+00
Hg-172	0	0.000	0.00E+00	0.00E+00
Hg-173	0	0.000	0.00E+00	0.00E+00
Hg-174	0	0.000	0.00E+00	0.00E+00
Hg-175	0	0.000	0.00E+00	0.00E+00
Hg-176	0	0.000	0.00E+00	0.00E+00
Hg-177	0	0.000	0.00E+00	0.00E+00
Hg-178	0	0.000	0.00E+00	0.00E+00
Hg-179	0	0.000	0.00E+00	0.00E+00
Hg-180	0	0.000	0.00E+00	0.00E+00
Hg-181	0	0.000	0.00E+00	0.00E+00
Hg-182	0	0.000	0.00E+00	0.00E+00
Hg-183	0	0.001	0.00E+00	1.11E-02

Hg-183m	0	0.000	0.00E+00	0.00E+00
Hg-184	0	1.305	2.31E+01	1.63E+01
Hg-185	0	0.000	0.00E+00	0.00E+00
Hg-185m	0	0.003	0.00E+00	3.54E-02
Hg-186	0	1.358	2.39E+01	1.70E+01
Hg-187	0	0.000	0.00E+00	0.00E+00
Hg-187m	0	0.000	0.00E+00	0.00E+00
Hg-188	0	1.176	2.11E+01	1.47E+01
Hg-189	0	0.000	0.00E+00	0.00E+00
Hg-189m	0	2.373	3.88E+01	2.97E+01
Hg-190	0	0.098	1.34E+00	1.23E+00
Hg-191	0	0.366	6.07E+00	4.57E+00
Hg-191m	0	1.377	2.42E+01	1.72E+01
Hg-192	0	0.273	4.19E+00	3.41E+00
Hg-193	1	0.804	1.47E+01	2.56E+00
Hg-193m	1	1.047	1.89E+01	1.33E+01
Hg-194	1	0.002	0.00E+00	2.73E-03
Hg-195	1	0.204	2.90E+00	2.58E+00
Hg-195m	1	0.200	2.83E+00	2.69E+00
Hg-196	0	0.000	0.00E+00	0.00E+00
Hg-197	1	0.071	1.20E+00	8.55E-01
Hg-197m	1	0.093	1.31E+00	1.16E+00
Hg-198	0	0.000	0.00E+00	0.00E+00
Hg-199	0	0.000	0.00E+00	0.00E+00
Hg-199m	1	0.181	2.49E+00	2.36E+00
Hg-200	0	0.000	0.00E+00	0.00E+00
Hg-201	0	0.000	0.00E+00	0.00E+00
Hg-202	0	0.000	0.00E+00	0.00E+00
Hg-203	1	0.238	3.52E+00	3.09E+00
Hg-204	0	0.000	0.00E+00	0.00E+00
Hg-205	0	0.005	3.78E-03	6.00E-02
Hg-205m	0	1.366	2.41E+01	1.71E+01
Hg-206	0	0.108	1.43E+00	1.35E+00
Hg-207	0	2.659	4.26E+01	3.32E+01
Hg-208	0	0.000	0.00E+00	0.00E+00
Hg-209	0	0.000	0.00E+00	0.00E+00
Hg-210	0	0.000	0.00E+00	0.00E+00
Tl-176	0	0.000	0.00E+00	0.00E+00
Tl-177	0	0.000	0.00E+00	0.00E+00
Tl-178	0	0.000	0.00E+00	0.00E+00
Tl-179	0	0.000	0.00E+00	0.00E+00
Tl-179m	0	0.000	0.00E+00	0.00E+00
Tl-180	0	0.000	0.00E+00	0.00E+00
Tl-181	0	0.000	0.00E+00	0.00E+00
Tl-181m	0	0.000	0.00E+00	0.00E+00
Tl-182	0	0.000	0.00E+00	0.00E+00
Tl-182m	0	0.000	0.00E+00	0.00E+00

Tl-183	0	0.000	0.00E+00	0.00E+00
Tl-183m	0	0.000	0.00E+00	0.00E+00
Tl-184	0	0.000	0.00E+00	0.00E+00
Tl-184m	0	0.000	0.00E+00	0.00E+00
Tl-185	0	0.000	0.00E+00	0.00E+00
Tl-185m	0	0.000	0.00E+00	0.00E+00
Tl-186	0	0.000	0.00E+00	0.00E+00
Tl-186m	0	0.305	4.82E+00	3.81E+00
Tl-186n	0	0.000	0.00E+00	0.00E+00
Tl-187	0	0.000	0.00E+00	0.00E+00
Tl-187m	0	0.000	0.00E+00	0.00E+00
Tl-188	0	2.020	3.39E+01	2.53E+01
Tl-188m	0	1.062	1.92E+01	1.33E+01
Tl-188n	0	0.000	0.00E+00	0.00E+00
Tl-189	0	0.000	0.00E+00	0.00E+00
Tl-189m	0	0.000	0.00E+00	0.00E+00
Tl-190	0	0.595	1.07E+01	7.44E+00
Tl-190m	0	1.890	3.20E+01	2.36E+01
Tl-191	0	0.000	0.00E+00	0.00E+00
Tl-191m	0	0.000	0.00E+00	0.00E+00
Tl-192	0	0.000	0.00E+00	0.00E+00
Tl-192m	0	0.000	0.00E+00	0.00E+00
Tl-193	0	0.004	2.97E-06	4.87E-02
Tl-193m	0	0.261	3.96E+00	3.26E+00
Tl-194	1	1.014	1.84E+01	1.01E+01
Tl-194m	1	2.221	3.67E+01	3.02E+01
Tl-195	1	1.220	2.18E+01	1.57E+01
Tl-195m	0	0.360	5.95E+00	4.50E+00
Tl-196	0	1.475	2.57E+01	1.84E+01
Tl-196m	0	1.857	3.15E+01	2.32E+01
Tl-197	1	0.467	8.14E+00	5.21E+00
Tl-197m	0	0.435	7.49E+00	5.44E+00
Tl-198	1	2.010	3.38E+01	2.49E+01
Tl-198m	1	1.210	2.16E+01	1.56E+01
Tl-198n	0	0.000	0.00E+00	0.00E+00
Tl-199	1	0.270	4.14E+00	3.20E+00
Tl-199m	0	0.662	1.20E+01	8.27E+00
Tl-200	1	1.310	2.32E+01	1.66E+01
Tl-200m	0	0.579	1.04E+01	7.23E+00
Tl-201	1	0.093	1.30E+00	1.16E+00
Tl-201m	0	0.851	1.55E+01	1.06E+01
Tl-202	1	0.464	8.08E+00	6.11E+00
Tl-203	0	0.000	0.00E+00	0.00E+00
Tl-204	1	0.001	0.00E+00	1.97E-02
Tl-205	0	0.000	0.00E+00	0.00E+00
Tl-206	1	0.001	0.00E+00	2.65E-02
Tl-206m	0	2.463	4.00E+01	3.08E+01

Tl-207	1	0.003	0.00E+00	5.01E-02
Tl-207m	0	1.170	2.10E+01	1.46E+01
Tl-208	1	3.380	5.16E+01	3.97E+01
Tl-209	1	2.030	3.41E+01	2.53E+01
Tl-210	0	2.730	4.35E+01	3.41E+01
Tl-211	0	0.000	0.00E+00	0.00E+00
Tl-212	0	0.000	0.00E+00	0.00E+00
Pb-178	0	0.000	0.00E+00	0.00E+00
Pb-179	0	0.000	0.00E+00	0.00E+00
Pb-180	0	0.000	0.00E+00	0.00E+00
Pb-181	0	0.000	0.00E+00	0.00E+00
Pb-182	0	0.000	0.00E+00	0.00E+00
Pb-183	0	0.000	0.00E+00	0.00E+00
Pb-183m	0	0.000	0.00E+00	0.00E+00
Pb-184	0	0.000	0.00E+00	0.00E+00
Pb-185	0	0.000	0.00E+00	0.00E+00
Pb-185m	0	0.000	0.00E+00	0.00E+00
Pb-186	0	0.000	0.00E+00	0.00E+00
Pb-187	0	0.000	0.00E+00	0.00E+00
Pb-187m	0	0.000	0.00E+00	0.00E+00
Pb-188	0	0.310	4.92E+00	3.88E+00
Pb-189	0	0.000	0.00E+00	0.00E+00
Pb-189m	0	0.000	0.00E+00	0.00E+00
Pb-190	0	0.691	1.25E+01	8.64E+00
Pb-191	0	0.000	0.00E+00	0.00E+00
Pb-191m	0	0.000	0.00E+00	0.00E+00
Pb-192	0	1.846	3.14E+01	2.31E+01
Pb-193	0	0.000	0.00E+00	0.00E+00
Pb-193m	0	1.794	3.06E+01	2.24E+01
Pb-194	0	1.027	1.86E+01	1.28E+01
Pb-195	0	0.553	9.86E+00	6.91E+00
Pb-195m	1	1.429	2.50E+01	2.06E+01
Pb-196	0	0.496	8.73E+00	6.20E+00
Pb-197	0	1.650	2.84E+01	2.06E+01
Pb-197m	0	1.150	2.06E+01	1.44E+01
Pb-198	1	0.364	6.03E+00	5.66E+00
Pb-199	1	1.016	1.84E+01	1.85E+01
Pb-199m	0	0.131	1.68E+00	1.63E+00
Pb-200	1	0.207	2.96E+00	2.64E+00
Pb-201	1	0.771	1.41E+01	9.76E+00
Pb-201m	0	0.366	6.07E+00	4.57E+00
Pb-202	1	0.002	0.00E+00	1.78E-03
Pb-202m	1	1.962	3.31E+01	2.65E+01
Pb-203	1	0.315	5.03E+00	4.01E+00
Pb-203m	0	0.658	1.19E+01	8.23E+00
Pb-203n	0	1.910	3.23E+01	2.39E+01
Pb-204	0	0.000	0.00E+00	0.00E+00

Pb-204m	0	2.058	3.44E+01	2.57E+01
Pb-205	1	0.002	0.00E+00	2.00E-03
Pb-205m	0	0.979	1.78E+01	1.22E+01
Pb-206	0	0.000	0.00E+00	0.00E+00
Pb-207	0	0.000	0.00E+00	0.00E+00
Pb-207m	0	1.499	2.61E+01	1.87E+01
Pb-208	0	0.000	0.00E+00	0.00E+00
Pb-209	1	0.000	0.00E+00	4.01E-03
Pb-210	1	0.005	8.13E-04	3.30E-02
Pb-211	1	0.064	7.71E-01	6.77E-01
Pb-212	1	0.144	1.86E+00	1.90E+00
Pb-213	0	0.000	0.00E+00	0.00E+00
Pb-214	1	0.251	3.78E+00	3.25E+00
Pb-215	0	0.000	0.00E+00	0.00E+00
Bi-184	0	0.000	0.00E+00	0.00E+00
Bi-184m	0	0.000	0.00E+00	0.00E+00
Bi-185	0	0.000	0.00E+00	0.00E+00
Bi-186	0	0.000	0.00E+00	0.00E+00
Bi-186m	0	0.000	0.00E+00	0.00E+00
Bi-187	0	0.000	0.00E+00	0.00E+00
Bi-187m	0	0.000	0.00E+00	0.00E+00
Bi-188	0	0.000	0.00E+00	0.00E+00
Bi-188m	0	0.000	0.00E+00	0.00E+00
Bi-189	0	0.000	0.00E+00	0.00E+00
Bi-189m	0	0.000	0.00E+00	0.00E+00
Bi-190	0	0.000	0.00E+00	0.00E+00
Bi-190m	0	0.000	0.00E+00	0.00E+00
Bi-191	0	0.000	0.00E+00	0.00E+00
Bi-191m	0	0.000	0.00E+00	0.00E+00
Bi-192	0	0.000	0.00E+00	0.00E+00
Bi-192m	0	0.000	0.00E+00	0.00E+00
Bi-193	0	0.000	0.00E+00	0.00E+00
Bi-193m	0	0.000	0.00E+00	0.00E+00
Bi-194	0	2.014	3.38E+01	2.52E+01
Bi-194m	0	0.000	0.00E+00	0.00E+00
Bi-194n	0	0.000	0.00E+00	0.00E+00
Bi-195	0	0.000	0.00E+00	0.00E+00
Bi-195m	0	0.000	0.00E+00	0.00E+00
Bi-196	0	2.716	4.33E+01	3.40E+01
Bi-196m	0	0.000	0.00E+00	0.00E+00
Bi-196n	0	2.369	3.87E+01	2.96E+01
Bi-197	0	0.000	0.00E+00	0.00E+00
Bi-197m	0	0.000	0.00E+00	0.00E+00
Bi-198	0	0.000	0.00E+00	0.00E+00
Bi-198m	0	0.000	0.00E+00	0.00E+00
Bi-198n	0	0.107	1.42E+00	1.33E+00
Bi-199	0	1.793	3.06E+01	2.24E+01

Bi-199m	0	0.000	0.00E+00	0.00E+00
Bi-200	1	2.410	3.93E+01	3.09E+01
Bi-200m	0	1.210	2.16E+01	1.51E+01
Bi-200n	0	0.000	0.00E+00	0.00E+00
Bi-201	1	1.339	2.36E+01	1.72E+01
Bi-201m	0	1.215	2.17E+01	1.52E+01
Bi-202	1	2.713	4.33E+01	3.48E+01
Bi-203	1	2.360	3.86E+01	2.97E+01
Bi-203m	0	0.929	1.69E+01	1.16E+01
Bi-204	0	3.180	4.92E+01	3.98E+01
Bi-204m	0	2.597	4.18E+01	3.25E+01
Bi-204n	0	0.000	0.00E+00	0.00E+00
Bi-205	1	1.679	2.89E+01	2.10E+01
Bi-206	1	3.280	5.04E+01	4.18E+01
Bi-207	1	1.540	2.67E+01	1.97E+01
Bi-208	0	2.643	4.24E+01	3.30E+01
Bi-208m	0	1.503	2.62E+01	1.88E+01
Bi-209	0	0.000	0.00E+00	0.00E+00
Bi-210	1	0.000	0.00E+00	1.40E-02
Bi-210m	1	0.261	3.97E+00	3.33E+00
Bi-211	1	0.047	9.03E-01	6.10E-01
Bi-212	1	0.104	1.40E+00	2.38E+00
Bi-212m	0	0.000	0.00E+00	0.00E+00
Bi-212n	0	0.000	0.00E+00	0.00E+00
Bi-213	1	0.083	1.25E+00	1.76E+00
Bi-214	1	1.510	2.63E+01	1.88E+01
Bi-215	0	0.000	0.00E+00	0.00E+00
Bi-215m	0	0.000	0.00E+00	0.00E+00
Bi-216	0	0.000	0.00E+00	0.00E+00
Bi-217	0	0.000	0.00E+00	0.00E+00
Bi-218	0	1.291	2.29E+01	1.61E+01
Po-188	0	0.000	0.00E+00	0.00E+00
Po-189	0	0.000	0.00E+00	0.00E+00
Po-190	0	0.000	0.00E+00	0.00E+00
Po-191	0	0.000	0.00E+00	0.00E+00
Po-191m	0	0.000	0.00E+00	0.00E+00
Po-192	0	0.000	0.00E+00	0.00E+00
Po-193	0	0.000	0.00E+00	0.00E+00
Po-193m	0	0.000	0.00E+00	0.00E+00
Po-194	0	0.000	0.00E+00	0.00E+00
Po-195	0	0.000	0.00E+00	0.00E+00
Po-195m	0	0.000	0.00E+00	0.00E+00
Po-196	0	0.000	0.00E+00	0.00E+00
Po-197	0	0.000	0.00E+00	0.00E+00
Po-197m	0	0.000	0.00E+00	0.00E+00
Po-198	0	0.000	0.00E+00	0.00E+00
Po-199	0	0.000	0.00E+00	0.00E+00

Po-199m	0	0.001	0.00E+00	1.14E-02
Po-200	0	0.902	1.64E+01	1.13E+01
Po-201	0	1.390	2.44E+01	1.74E+01
Po-201m	0	0.805	1.47E+01	1.01E+01
Po-202	0	0.810	1.48E+01	1.01E+01
Po-203	1	1.570	2.72E+01	2.08E+01
Po-203m	0	0.416	7.10E+00	5.20E+00
Po-204	0	1.320	2.33E+01	1.65E+01
Po-205	1	1.590	2.75E+01	2.01E+01
Po-205m	0	0.000	0.00E+00	0.00E+00
Po-206	0	1.190	2.13E+01	1.49E+01
Po-207	1	1.330	2.35E+01	1.70E+01
Po-207m	0	1.073	1.94E+01	1.34E+01
Po-208	0	0.000	0.00E+00	2.50E-04
Po-209	0	0.003	0.00E+00	3.88E-02
Po-210	1	0.000	0.00E+00	1.10E-04
Po-211	1	0.008	1.26E+00	1.01E-01
Po-211m	0	1.430	2.51E+01	1.79E+01
Po-212	1	0.000	0.00E+00	0.00E+00
Po-212m	0	0.079	1.23E+00	9.93E-01
Po-213	1	0.000	0.00E+00	0.00E+00
Po-214	1	0.000	0.00E+00	1.08E-03
Po-215	1	0.000	0.00E+00	2.32E-03
Po-216	1	0.000	0.00E+00	2.20E-04
Po-217	0	0.000	0.00E+00	0.00E+00
Po-218	1	0.000	0.00E+00	1.18E-04
Po-219	0	0.000	0.00E+00	0.00E+00
Po-220	0	0.000	0.00E+00	0.00E+00
At-193	0	0.000	0.00E+00	0.00E+00
At-194	0	0.000	0.00E+00	0.00E+00
At-194m	0	0.000	0.00E+00	0.00E+00
At-195	0	0.000	0.00E+00	0.00E+00
At-195m	0	0.000	0.00E+00	0.00E+00
At-196	0	0.000	0.00E+00	0.00E+00
At-196m	0	0.000	0.00E+00	0.00E+00
At-197	0	0.000	0.00E+00	0.00E+00
At-197m	0	0.000	0.00E+00	0.00E+00
At-198	0	0.000	0.00E+00	0.00E+00
At-198m	0	0.000	0.00E+00	0.00E+00
At-199	0	0.000	0.00E+00	0.00E+00
At-200	0	2.250	3.71E+01	2.81E+01
At-200m	0	0.005	1.79E-03	5.83E-02
At-200n	0	0.001	0.00E+00	1.48E-02
At-201	0	0.000	0.00E+00	0.00E+00
At-202	0	1.220	2.18E+01	1.53E+01
At-202m	0	0.000	0.00E+00	0.00E+00
At-202n	0	0.000	0.00E+00	0.00E+00

At-203	0	0.549	9.79E+00	6.86E+00
At-204	0	2.080	3.48E+01	2.60E+01
At-204m	0	0.546	9.72E+00	6.82E+00
At-205	0	0.681	1.23E+01	8.51E+00
At-206	0	2.480	4.02E+01	3.10E+01
At-207	1	1.330	2.35E+01	1.68E+01
At-208	0	2.750	4.38E+01	3.44E+01
At-209	0	2.242	3.70E+01	2.80E+01
At-210	0	2.980	4.67E+01	3.73E+01
At-211	1	0.037	1.29E+00	4.82E-01
At-212	0	0.000	0.00E+00	0.00E+00
At-212m	0	0.042	1.05E+00	5.24E-01
At-213	0	0.000	0.00E+00	0.00E+00
At-214	0	0.000	0.00E+00	0.00E+00
At-215	1	0.000	0.00E+00	2.54E-03
At-216	1	0.002	0.00E+00	1.88E-02
At-217	1	0.000	0.00E+00	4.04E-03
At-218	1	0.000	0.00E+00	5.57E-02
At-219	0	0.000	0.00E+00	0.00E+00
At-220	0	0.373	6.21E+00	4.66E+00
At-221	0	0.000	0.00E+00	0.00E+00
At-222	0	0.000	0.00E+00	0.00E+00
At-223	0	0.000	0.00E+00	0.00E+00
Rn-195	0	0.000	0.00E+00	0.00E+00
Rn-195m	0	0.000	0.00E+00	0.00E+00
Rn-196	0	0.000	0.00E+00	0.00E+00
Rn-197	0	0.000	0.00E+00	0.00E+00
Rn-197m	0	0.000	0.00E+00	0.00E+00
Rn-198	0	0.000	0.00E+00	0.00E+00
Rn-199	0	0.000	0.00E+00	0.00E+00
Rn-199m	0	0.000	0.00E+00	0.00E+00
Rn-200	0	0.000	0.00E+00	0.00E+00
Rn-201	0	0.000	0.00E+00	0.00E+00
Rn-201m	0	0.000	0.00E+00	0.00E+00
Rn-202	0	0.000	0.00E+00	0.00E+00
Rn-203	0	0.000	0.00E+00	0.00E+00
Rn-203m	0	0.000	0.00E+00	0.00E+00
Rn-204	0	0.000	0.00E+00	0.00E+00
Rn-205	0	0.000	0.00E+00	0.00E+00
Rn-206	0	0.000	0.00E+00	0.00E+00
Rn-207	0	0.813	1.48E+01	1.02E+01
Rn-208	0	0.220	3.19E+00	2.75E+00
Rn-209	0	1.100	1.98E+01	1.38E+01
Rn-210	0	0.059	7.56E-01	7.32E-01
Rn-211	0	1.887	3.20E+01	2.36E+01
Rn-212	0	0.000	0.00E+00	0.00E+00
Rn-213	0	0.000	0.00E+00	0.00E+00

Rn-214	0	0.000	0.00E+00	0.00E+00
Rn-215	0	0.000	0.00E+00	0.00E+00
Rn-216	0	0.000	0.00E+00	0.00E+00
Rn-217	0	0.000	0.00E+00	0.00E+00
Rn-218	1	0.001	0.00E+00	9.92E-03
Rn-219	1	0.056	7.77E-01	7.31E-01
Rn-220	1	0.001	0.00E+00	5.07E-03
Rn-221	0	0.120	1.56E+00	1.50E+00
Rn-222	1	0.000	0.00E+00	5.26E-03
Rn-223	0	0.306	4.85E+00	3.83E+00
Rn-224	0	0.000	0.00E+00	0.00E+00
Rn-225	0	0.578	1.03E+01	7.22E+00
Rn-226	0	0.000	0.00E+00	0.00E+00
Rn-227	0	0.000	0.00E+00	0.00E+00
Rn-228	0	0.000	0.00E+00	0.00E+00
Fr-199	0	0.000	0.00E+00	0.00E+00
Fr-200	0	0.000	0.00E+00	0.00E+00
Fr-200m	0	0.000	0.00E+00	0.00E+00
Fr-201	0	0.000	0.00E+00	0.00E+00
Fr-202	0	0.000	0.00E+00	0.00E+00
Fr-202m	0	0.000	0.00E+00	0.00E+00
Fr-203	0	0.000	0.00E+00	0.00E+00
Fr-204	0	0.000	0.00E+00	0.00E+00
Fr-204m	0	0.000	0.00E+00	0.00E+00
Fr-204n	0	0.000	0.00E+00	0.00E+00
Fr-205	0	0.000	0.00E+00	0.00E+00
Fr-206	0	0.020	3.15E+00	2.50E-01
Fr-206m	0	0.000	0.00E+00	0.00E+00
Fr-206n	0	0.000	0.00E+00	0.00E+00
Fr-207	0	1.023	1.85E+01	1.28E+01
Fr-208	0	1.212	2.16E+01	1.52E+01
Fr-209	0	0.000	0.00E+00	0.00E+00
Fr-210	0	0.000	0.00E+00	0.00E+00
Fr-211	0	0.000	0.00E+00	0.00E+00
Fr-212	0	1.130	2.03E+01	1.41E+01
Fr-213	0	0.000	0.00E+00	0.00E+00
Fr-214	0	0.000	0.00E+00	0.00E+00
Fr-214m	0	0.000	0.00E+00	0.00E+00
Fr-215	0	0.000	0.00E+00	0.00E+00
Fr-216	0	0.000	0.00E+00	2.50E-04
Fr-217	0	0.000	0.00E+00	0.00E+00
Fr-218	0	0.000	0.00E+00	0.00E+00
Fr-218m	0	0.000	0.00E+00	0.00E+00
Fr-219	1	0.004	9.16E-09	4.57E-02
Fr-220	1	0.009	2.39E+00	1.40E-01
Fr-221	1	0.029	2.01E+00	3.97E-01
Fr-222	1	0.001	0.00E+00	4.50E-02

Fr-223	1	0.063	7.69E-01	7.53E-01
Fr-224	0	0.534	9.48E+00	6.67E+00
Fr-225	0	0.000	0.00E+00	0.00E+00
Fr-226	0	0.436	7.50E+00	5.45E+00
Fr-227	0	0.436	7.52E+00	5.45E+00
Fr-228	0	0.673	1.22E+01	8.42E+00
Fr-229	0	0.000	0.00E+00	0.00E+00
Fr-230	0	0.856	1.56E+01	1.07E+01
Fr-231	0	0.451	7.82E+00	5.64E+00
Fr-232	0	0.215	3.11E+00	2.69E+00
Ra-202	0	0.000	0.00E+00	0.00E+00
Ra-203	0	0.000	0.00E+00	0.00E+00
Ra-203m	0	0.000	0.00E+00	0.00E+00
Ra-204	0	0.000	0.00E+00	0.00E+00
Ra-205	0	0.000	0.00E+00	0.00E+00
Ra-205m	0	0.000	0.00E+00	0.00E+00
Ra-206	0	0.000	0.00E+00	0.00E+00
Ra-207	0	0.000	0.00E+00	0.00E+00
Ra-207m	0	0.000	0.00E+00	0.00E+00
Ra-208	0	0.000	0.00E+00	0.00E+00
Ra-209	0	0.000	0.00E+00	0.00E+00
Ra-210	0	0.000	0.00E+00	0.00E+00
Ra-211	0	0.000	0.00E+00	0.00E+00
Ra-212	0	0.000	0.00E+00	3.37E-03
Ra-213	0	0.010	2.69E+00	1.20E-01
Ra-213m	0	1.634	2.82E+01	2.04E+01
Ra-214	0	0.001	0.00E+00	1.62E-02
Ra-215	0	0.000	0.00E+00	0.00E+00
Ra-216	0	0.000	0.00E+00	0.00E+00
Ra-217	0	0.000	0.00E+00	0.00E+00
Ra-218	0	0.000	0.00E+00	0.00E+00
Ra-219	0	0.154	2.02E+00	1.92E+00
Ra-220	0	0.005	2.23E-03	5.87E-02
Ra-221	0	0.043	1.02E+00	5.38E-01
Ra-222	1	0.009	2.44E+00	1.20E-01
Ra-223	1	0.135	1.74E+00	1.70E+00
Ra-224	1	0.010	3.10E+00	1.27E-01
Ra-225	1	0.014	3.76E+00	1.77E-01
Ra-226	1	0.007	5.36E-01	8.58E-02
Ra-227	1	0.163	2.17E+00	2.12E+00
Ra-228	1	0.000	0.00E+00	0.00E+00
Ra-229	0	0.000	0.00E+00	0.00E+00
Ra-230	0	0.094	1.32E+00	1.18E+00
Ra-231	0	0.000	0.00E+00	0.00E+00
Ra-232	0	0.000	0.00E+00	0.00E+00
Ra-233	0	0.000	0.00E+00	0.00E+00
Ra-234	0	0.000	0.00E+00	0.00E+00

Ac-206	0	0.000	0.00E+00	0.00E+00
Ac-206m	0	0.000	0.00E+00	0.00E+00
Ac-206n	0	0.000	0.00E+00	0.00E+00
Ac-207	0	0.000	0.00E+00	0.00E+00
Ac-208	0	0.000	0.00E+00	0.00E+00
Ac-208m	0	0.000	0.00E+00	0.00E+00
Ac-209	0	0.000	0.00E+00	0.00E+00
Ac-210	0	0.000	0.00E+00	0.00E+00
Ac-211	0	0.000	0.00E+00	0.00E+00
Ac-212	0	0.000	0.00E+00	0.00E+00
Ac-213	0	0.000	0.00E+00	0.00E+00
Ac-214	0	0.000	0.00E+00	0.00E+00
Ac-215	0	0.000	0.00E+00	0.00E+00
Ac-216	0	0.000	0.00E+00	0.00E+00
Ac-216m	0	0.000	0.00E+00	0.00E+00
Ac-217	0	0.000	0.00E+00	0.00E+00
Ac-218	0	0.000	0.00E+00	0.00E+00
Ac-219	0	0.000	0.00E+00	0.00E+00
Ac-220	0	0.125	1.62E+00	1.57E+00
Ac-221	0	0.000	0.00E+00	0.00E+00
Ac-222	0	0.000	0.00E+00	0.00E+00
Ac-222m	0	0.000	0.00E+00	0.00E+00
Ac-223	1	0.004	2.97E-06	6.21E-02
Ac-224	1	0.202	2.86E+00	2.52E+00
Ac-225	1	0.018	3.46E+00	2.10E-01
Ac-226	1	0.137	1.77E+00	1.65E+00
Ac-227	1	0.000	0.00E+00	2.09E-03
Ac-228	1	0.993	1.80E+01	1.24E+01
Ac-229	0	0.000	0.00E+00	0.00E+00
Ac-230	0	0.516	9.14E+00	6.45E+00
Ac-231	0	0.415	7.07E+00	5.18E+00
Ac-232	0	1.153	2.07E+01	1.44E+01
Ac-233	0	0.499	8.79E+00	6.24E+00
Ac-234	0	0.000	0.00E+00	0.00E+00
Ac-235	0	0.000	0.00E+00	0.00E+00
Ac-236	0	0.000	0.00E+00	0.00E+00
Th-209	0	0.000	0.00E+00	0.00E+00
Th-210	0	0.000	0.00E+00	0.00E+00
Th-211	0	0.000	0.00E+00	0.00E+00
Th-212	0	0.000	0.00E+00	0.00E+00
Th-213	0	0.000	0.00E+00	0.00E+00
Th-214	0	0.000	0.00E+00	0.00E+00
Th-215	0	0.000	0.00E+00	0.00E+00
Th-216	0	0.000	0.00E+00	0.00E+00
Th-217	0	0.000	0.00E+00	0.00E+00
Th-218	0	0.000	0.00E+00	0.00E+00
Th-219	0	0.000	0.00E+00	0.00E+00

Th-220	0	0.000	0.00E+00	0.00E+00
Th-221	0	0.000	0.00E+00	0.00E+00
Th-222	0	0.000	0.00E+00	0.00E+00
Th-223	0	0.072	1.21E+00	8.97E-01
Th-224	0	0.023	2.76E+00	2.88E-01
Th-225	0	0.147	1.91E+00	1.83E+00
Th-226	1	0.009	1.93E+00	1.03E-01
Th-227	1	0.160	2.11E+00	1.39E+00
Th-228	1	0.003	0.00E+00	3.13E-02
Th-229	1	0.034	1.47E+00	1.14E+00
Th-229m	0	0.000	0.00E+00	0.00E+00
Th-230	1	0.000	0.00E+00	9.99E-03
Th-231	1	0.022	2.83E+00	2.46E-01
Th-232	1	0.000	0.00E+00	7.34E-03
Th-233	0	0.037	1.28E+00	4.61E-01
Th-234	1	0.009	2.56E+00	1.11E-01
Th-235	0	0.039	1.18E+00	4.84E-01
Th-236	0	0.021	3.02E+00	2.62E-01
Th-237	0	0.000	0.00E+00	0.00E+00
Th-238	0	0.000	0.00E+00	0.00E+00
Pa-212	0	0.000	0.00E+00	0.00E+00
Pa-213	0	0.000	0.00E+00	0.00E+00
Pa-214	0	0.000	0.00E+00	0.00E+00
Pa-215	0	0.000	0.00E+00	0.00E+00
Pa-216	0	0.000	0.00E+00	0.00E+00
Pa-217	0	0.000	0.00E+00	0.00E+00
Pa-217m	0	0.000	0.00E+00	0.00E+00
Pa-218	0	0.000	0.00E+00	0.00E+00
Pa-219	0	0.000	0.00E+00	0.00E+00
Pa-220	0	0.000	0.00E+00	0.00E+00
Pa-221	0	0.000	0.00E+00	0.00E+00
Pa-222	0	0.000	0.00E+00	0.00E+00
Pa-223	0	0.000	0.00E+00	0.00E+00
Pa-224	0	0.033	1.53E+00	4.14E-01
Pa-225	0	0.000	0.00E+00	0.00E+00
Pa-226	0	0.000	0.00E+00	0.00E+00
Pa-227	1	0.006	3.42E-01	2.65E-01
Pa-228	1	1.090	1.97E+01	1.45E+01
Pa-229	0	0.062	7.64E-01	7.77E-01
Pa-230	1	0.657	1.19E+01	8.34E+00
Pa-231	1	0.039	1.15E+00	5.42E-01
Pa-232	1	0.933	1.70E+01	1.21E+01
Pa-233	1	0.218	3.15E+00	2.60E+00
Pa-234	1	1.900	3.22E+01	2.45E+01
Pa-234m	1	0.016	3.64E+00	2.04E-01
Pa-235	0	0.001	0.00E+00	7.88E-03
Pa-236	0	0.506	8.93E+00	6.32E+00

Pa-237	0	0.607	1.09E+01	7.59E+00
Pa-238	0	0.000	0.00E+00	0.00E+00
Pa-239	0	0.000	0.00E+00	0.00E+00
Pa-240	0	0.000	0.00E+00	0.00E+00
U-217	0	0.000	0.00E+00	0.00E+00
U-218	0	0.000	0.00E+00	0.00E+00
U-219	0	0.000	0.00E+00	0.00E+00
U-220	0	0.000	0.00E+00	0.00E+00
U-221	0	0.000	0.00E+00	0.00E+00
U-222	0	0.000	0.00E+00	0.00E+00
U-223	0	0.000	0.00E+00	0.00E+00
U-224	0	0.000	0.00E+00	0.00E+00
U-225	0	0.000	0.00E+00	0.00E+00
U-226	0	0.000	0.00E+00	0.00E+00
U-227	0	0.114	1.49E+00	1.42E+00
U-228	0	0.005	3.78E-03	6.00E-02
U-229	0	0.000	0.00E+00	0.00E+00
U-230	1	0.003	0.00E+00	2.40E-02
U-231	1	0.082	1.25E+00	9.42E-01
U-232	1	0.000	0.00E+00	1.35E-02
U-233	1	0.001	0.00E+00	9.54E-03
U-234	1	0.000	0.00E+00	9.96E-03
U-235	1	0.156	2.05E+00	1.97E+00
U-235m	0	0.000	0.00E+00	0.00E+00
U-236	1	0.002	0.00E+00	8.66E-03
U-237	1	0.144	1.87E+00	1.77E+00
U-238	1	0.002	0.00E+00	7.34E-03
U-239	1	0.052	8.22E-01	6.86E-01
U-240	1	0.007	9.34E-01	5.63E-02
U-241	0	0.000	0.00E+00	0.00E+00
U-242	0	0.038	1.19E+00	4.81E-01
Np-225	0	0.000	0.00E+00	0.00E+00
Np-226	0	0.000	0.00E+00	0.00E+00
Np-227	0	0.000	0.00E+00	0.00E+00
Np-228	0	0.001	0.00E+00	7.50E-03
Np-229	0	0.000	0.00E+00	0.00E+00
Np-230	0	0.000	0.00E+00	0.00E+00
Np-231	0	0.062	7.62E-01	7.72E-01
Np-232	1	1.190	2.13E+01	1.55E+01
Np-233	1	0.085	1.26E+00	1.12E+00
Np-234	1	1.112	2.00E+01	1.77E+01
Np-235	1	0.000	0.00E+00	4.86E-02
Np-236	1	0.142	1.84E+00	1.60E+00
Np-236m	1	0.045	9.71E-01	6.22E-01
Np-237	1	0.032	1.64E+00	3.82E-01
Np-238	1	0.647	1.17E+01	7.05E+00
Np-239	1	0.174	2.36E+00	2.17E+00

Np-240	1	1.190	2.13E+01	1.69E+01
Np-240m	1	0.315	5.02E+00	4.36E+00
Np-241	0	0.035	1.40E+00	4.36E-01
Np-242	0	0.244	3.64E+00	3.04E+00
Np-242m	0	0.889	1.62E+01	1.11E+01
Np-243	0	0.000	0.00E+00	0.00E+00
Np-244	0	0.419	7.15E+00	5.23E+00
Pu-228	0	0.000	0.00E+00	0.00E+00
Pu-229	0	0.000	0.00E+00	0.00E+00
Pu-230	0	0.000	0.00E+00	0.00E+00
Pu-231	0	0.000	0.00E+00	0.00E+00
Pu-232	0	0.062	7.63E-01	7.76E-01
Pu-233	0	0.000	0.00E+00	0.00E+00
Pu-234	1	0.000	0.00E+00	8.34E-01
Pu-235	1	0.095	1.32E+00	1.15E+00
Pu-236	1	0.002	0.00E+00	1.31E-02
Pu-237	1	0.054	7.94E-01	6.19E-01
Pu-237m	0	0.010	2.69E+00	1.20E-01
Pu-238	1	0.002	0.00E+00	1.12E-02
Pu-239	1	0.000	0.00E+00	4.89E-03
Pu-240	1	0.000	0.00E+00	1.07E-02
Pu-241	1	0.000	0.00E+00	2.57E-05
Pu-242	1	0.001	0.00E+00	8.88E-03
Pu-243	1	0.026	2.41E+00	3.21E-01
Pu-244	1	0.006	3.27E-01	2.76E-01
Pu-245	1	0.397	6.71E+00	5.38E+00
Pu-246	1	0.143	1.85E+00	1.77E+00
Pu-247	0	0.000	0.00E+00	0.00E+00
Am-231	0	0.000	0.00E+00	0.00E+00
Am-232	0	0.003	0.00E+00	4.31E-02
Am-233	0	0.000	0.00E+00	0.00E+00
Am-234	0	0.000	0.00E+00	4.12E-03
Am-235	0	0.000	0.00E+00	0.00E+00
Am-236	0	2.011	3.38E+01	2.51E+01
Am-237	1	0.368	6.11E+00	4.72E+00
Am-238	1	0.905	1.65E+01	1.13E+01
Am-239	1	0.243	3.63E+00	2.96E+00
Am-240	1	1.027	1.86E+01	1.31E+01
Am-241	1	0.027	2.22E+00	3.66E-01
Am-242	1	0.018	3.37E+00	2.09E-01
Am-242m	1	0.005	6.11E-03	4.02E-02
Am-242n	0	5.000	7.20E+01	6.25E+01
Am-243	1	0.048	8.88E-01	7.13E-01
Am-244	1	0.796	1.46E+01	1.04E+01
Am-244m	1	0.001	0.00E+00	3.48E-02
Am-245	1	0.032	1.60E+00	4.13E-01
Am-246	1	0.696	1.26E+01	8.98E+00

Am-246m	1	0.975	1.77E+01	1.30E+01
Am-247	0	0.136	1.76E+00	1.70E+00
Am-248	0	0.000	0.00E+00	0.00E+00
Am-249	0	0.000	0.00E+00	0.00E+00
Cm-233	0	0.000	0.00E+00	0.00E+00
Cm-234	0	0.150	1.96E+00	1.88E+00
Cm-235	0	0.000	0.00E+00	0.00E+00
Cm-236	0	0.000	0.00E+00	0.00E+00
Cm-237	0	0.000	0.00E+00	0.00E+00
Cm-238	1	0.000	0.00E+00	9.46E-01
Cm-239	0	0.375	6.25E+00	4.69E+00
Cm-240	1	0.002	0.00E+00	1.40E-02
Cm-241	1	0.485	8.51E+00	6.46E+00
Cm-242	1	0.002	0.00E+00	1.27E-02
Cm-243	1	0.132	1.70E+00	1.67E+00
Cm-244	1	0.002	0.00E+00	1.17E-02
Cm-244m	0	0.000	0.00E+00	0.00E+00
Cm-245	1	0.117	1.52E+00	1.16E+00
Cm-246	1	0.003	0.00E+00	1.05E-02
Cm-247	1	0.380	6.36E+00	4.13E+00
Cm-248	1	0.413	7.04E+00	1.66E+01
Cm-249	1	0.019	3.27E+00	2.58E-01
Cm-250	1	3.700	5.55E+01	1.23E+02
Cm-251	0	0.102	1.38E+00	1.27E+00
Cm-252	0	0.000	0.00E+00	0.00E+00
Bk-235	0	0.000	0.00E+00	0.00E+00
Bk-236	0	0.000	0.00E+00	0.00E+00
Bk-237	0	0.000	0.00E+00	0.00E+00
Bk-238	0	0.002	0.00E+00	3.00E-02
Bk-239	0	0.000	0.00E+00	0.00E+00
Bk-240	0	0.000	0.00E+00	1.25E-03
Bk-241	0	0.000	0.00E+00	0.00E+00
Bk-242	0	0.000	0.00E+00	0.00E+00
Bk-243	0	0.176	2.40E+00	2.20E+00
Bk-244	0	0.000	0.00E+00	0.00E+00
Bk-245	1	0.226	3.31E+00	2.93E+00
Bk-246	1	0.847	1.55E+01	1.22E+01
Bk-247	1	0.141	1.82E+00	1.35E+00
Bk-248	0	0.000	0.00E+00	0.00E+00
Bk-248m	0	0.051	8.34E-01	6.41E-01
Bk-249	1	0.000	0.00E+00	9.12E-05
Bk-250	1	0.896	1.63E+01	1.13E+01
Bk-251	0	0.083	1.25E+00	1.04E+00
Bk-252	0	0.000	0.00E+00	0.00E+00
Bk-253	0	0.000	0.00E+00	0.00E+00
Bk-254	0	0.000	0.00E+00	0.00E+00
Cf-237	0	0.500	8.81E+00	6.25E+00

Cf-238	0	4.990	7.19E+01	6.24E+01
Cf-239	0	0.000	0.00E+00	0.00E+00
Cf-240	0	0.100	1.36E+00	1.25E+00
Cf-241	0	0.000	0.00E+00	0.00E+00
Cf-242	0	0.001	0.00E+00	8.75E-03
Cf-243	0	0.000	0.00E+00	0.00E+00
Cf-244	1	0.000	0.00E+00	1.52E-02
Cf-245	0	0.000	0.00E+00	0.00E+00
Cf-246	1	0.002	0.00E+00	1.05E-02
Cf-247	0	0.088	1.28E+00	1.10E+00
Cf-248	1	0.001	0.00E+00	1.03E-02
Cf-249	1	0.327	5.26E+00	4.37E+00
Cf-250	1	0.005	8.72E-03	9.82E-03
Cf-251	1	0.129	1.66E+00	1.63E+00
Cf-252	1	0.156	2.05E+00	5.79E+00
Cf-253	1	0.000	0.00E+00	8.59E-04
Cf-254	1	4.985	7.18E+01	2.12E+02
Cf-255	0	0.000	0.00E+00	6.25E-04
Cf-256	0	5.000	7.20E+01	6.25E+01
Es-240	0	0.000	0.00E+00	0.00E+00
Es-241	0	0.000	0.00E+00	0.00E+00
Es-242	0	0.030	1.84E+00	3.75E-01
Es-243	0	0.000	0.00E+00	0.00E+00
Es-244	0	0.001	0.00E+00	6.25E-03
Es-245	0	0.000	0.00E+00	0.00E+00
Es-246	0	0.000	0.00E+00	1.88E-03
Es-247	0	0.000	0.00E+00	0.00E+00
Es-248	0	0.000	0.00E+00	0.00E+00
Es-249	0	0.428	7.34E+00	5.35E+00
Es-250	1	1.240	2.21E+01	5.03E+00
Es-250m	0	0.530	9.41E+00	6.62E+00
Es-251	1	0.007	4.51E-01	1.21E+00
Es-252	0	0.257	3.89E+00	3.21E+00
Es-253	1	0.000	0.00E+00	1.09E-02
Es-254	1	0.003	0.00E+00	1.69E-01
Es-254m	1	0.463	8.06E+00	6.13E+00
Es-255	0	0.033	1.56E+00	4.10E-01
Es-256	0	1.330	2.35E+01	1.66E+01
Es-256m	0	1.401	2.46E+01	1.75E+01
Es-257	0	0.000	0.00E+00	0.00E+00
Es-258	0	0.000	0.00E+00	0.00E+00
Fm-242	0	2.500	4.05E+01	3.13E+01
Fm-243	0	0.029	2.03E+00	3.56E-01
Fm-244	0	4.980	7.18E+01	6.23E+01
Fm-245	0	0.007	3.94E-01	8.13E-02
Fm-246	0	0.225	3.29E+00	2.81E+00
Fm-247	0	0.000	0.00E+00	0.00E+00

Fm-248	0	0.005	9.49E-03	6.25E-02
Fm-249	0	0.000	0.00E+00	0.00E+00
Fm-250	0	0.000	0.00E+00	4.38E-03
Fm-250m	0	0.000	0.00E+00	0.00E+00
Fm-251	0	0.158	2.09E+00	1.98E+00
Fm-252	1	0.001	0.00E+00	1.01E-02
Fm-253	1	0.060	7.57E-01	1.03E+00
Fm-254	1	0.001	0.00E+00	1.10E-02
Fm-255	1	0.015	3.73E+00	1.09E-01
Fm-256	0	4.595	6.67E+01	5.74E+01
Fm-257	1	0.114	1.49E+00	1.37E+00
Fm-258	0	5.000	7.20E+01	6.25E+01
Fm-259	0	5.000	7.20E+01	6.25E+01
Md-245	0	2.500	4.05E+01	3.13E+01