| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B10 | Sigma | 9.2 | 2 | 8.0 | 4 | Carbon | TimeOfFlight | 25 | EANDC/UK- 99 | | | Feb68 | HAR | Asami,A.+ | |
| B10 | Sigma | 4.7 | 2 | 1.3 | 5 | | TimeOfFlight* | 30 | AERE/R-5980 | | | Apr69 | HAR | Asami,A.+ | |
| B10 | σ(Averaged) | 5.6 | 3 | 5.6 | 3 | C | | 1 | EANDC/UK- 99 | | | Feb68 | HAR | Asami,A.+ | |
| | MISC CROSS SECTION | | | | | | | | | | | | | | |
| B10 | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | 1 | PR | 146 | 660 | Jun66 | LRL | Donaldson,R.E.+ | |
| | (n,d) REACTION | | | | | | | | | | | | | | |
| B10 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Count Telesc | 14 | PR | 94 | 934 | May54 | LAS | Ribe,F.L.+ | |
| B10 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | H(n,n) | Count Telesc | 35 | PR | 139B | 331 | Jul65 | RBZ | Valkovic,V.+ | |
| | (n,nd) REACTION | | | | | | | | | | | | | | |
| B10 | Sigma | 1.2 | 7 | 1.9 | 7 | | Nuc Emulsion | 5 | PR | 103 | 328 | Jul56 | LAS | Frye. | |
| | (n,t) REACTION | | | | | | | | | | | | | | |
| B10 | Sigma | 5.6 | 6 | 1.9 | 7 | | Nuc Emulsion | 7 | PR | 103 | 328 | Jul56 | LAS | Frye. | |
| B10 | Sigma | 4.0 | 6 | 1.4 | 7 | | Activation | 4 | PR | 112 | 1264 | Nov58 | LAS | Wyman. | |
| B10 | Sigma | 1.3 | 6 | 8.2 | 6 | Absolute | Ion Chamber | 69 | NP | 27 | 448 | Oct61 | RIC | Davis. | |
| B10 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | H(n,n) | Count Telesc | | | | | Jun64 | RBZ | Valkovic,V. | |
| B10 | (θ,E)-Distrib | 1.4 | 7 | 1.4 | 7 | H(n,n) | Count Telesc | | | | | Jun64 | RBZ | Valkovic. | |
| | (n,alpha) REACTION | | | | | | | | | | | | | | |
| B10 | Sigma | 2.0 | 4 | 4.8 | 6 | σ(Thermal) | Reco | | | | | | C | Bichsel. | |
| B10 | Sigma | 3.0 | 3 | 6.8 | 4 | | Acc | | | | | | | Bilpuch. | |
| B10 | Sigma | 2.2 | 5 | 7.9 | 6 | Absolute | I | | | | | | | Davis. | |
| B10 | Sigma | 1.1 | 4 | 7.7 | 4 | | | | | | | | | ooring. | |
| B10 | Sigma | 1.1 | 4 | 2.5 | 5 | Absolute | | | | | | | | ,S.A.+ | |
| B10 | Sigma | 1.1 | 4 | 2.5 | 5 | Absolute | | | | | | | | S.A.+ | |
| B10 | Sigma | 4.1 | 4 | 5.2 | 5 | σ(E≠E(th)) | | | | | | | | in. | |
| B10 | Sigma | 3.0 | 4 | 3.0 | 4 | σ(Total) | | | | | | | | n. | |
| B10 | Sigma | 3.0 | 4 | 5.0 | 5 | Ratio | | | | | | | | . | |
| B10 | Sigma | 2.9 | 4 | 8.2 | 5 | | | | | | | | | | |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| B10 | Sigma | 2.5 | -2 | 2.5 | -2 | | | | | | | | | | |
| B10 | Sigma | 2.5 | -2 | 2.5 | -2 | | | | | | | | | i. | |
| B10 | Sigma | 1.1 | 4 | 5.0 | 5 | Absol | | | | | | | | | |
| B10 | Sigma | 7.6 | 1 | 4.8 | 5 | | | | | | | | | M. | |
| B10 | Sigma | 2.5 | -2 | 2.5 | -2 | | | | | | | | | | |
| | NONELASTIC SCATT | | | | | | | | | | | | | | |
| B10 | Sigma | 1.4 | 7 | 1.4 | 7 | Absol | | | | | | | | ,M.H.+ | |
| B10 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | | | | | | | | |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | |
| B10 | Sigma | 2.0 | 4 | 3.4 | 6 | Absolut | | | | | | | | an,C.K.+ | |
| B10 | Sigma | 1.4 | 7 | 1.4 | 7 | Absolute | | | | | | | | | |
| B10 | Sigma | 1.4 | 7 | 1.8 | 7 | Absolute | | | | | | | | | |
| B10 | Sigma | 2.8 | 6 | 9.7 | 6 | Absolute | | | | | | | | son. | |
| B10 | Sigma | 4.3 | 6 | 8.6 | 6 | Absolute | | | | | | | | ker. | |
| B10 | Sigma | 3.0 | 3 | 8.2 | 4 | Absolute | | | | | | | | lpuch. | |
| B10 | Sigma | 1.8 | -2 | 4.0 | -2 | Absolute | | | | | | | | chmitt,H.W.+ | |
| B10 | Sigma | 4.6 | -3 | 1.0 | -1 | Absolute | Cl | | | | | | | Safford. | |
| B10 | Sigma | 3.3 | 6 | 1.5 | 7 | Absolute | Acc | | | | | | | Fossan. | |
| B10 | Sigma | 6.0 | -3 | 8.2 | -2 | Absolute | TimeO | | | | | | OL | Prosdocimi. | |
| B10 | Sigma | 3.2 | 6 | 5.1 | 6 | Absolute | Accelera | | | | | | JAE | Tsukada. | |
| B10 | Sigma | 1.1 | 4 | 5.0 | 5 | Absolute | Acceleratol | | | | | | 166 | ANL | Mooring. |
| B10 | Sigma | 2.5 | -2 | 2.5 | -2 | Absolute | Extrapolatn | | | | | | Feb67 | HAR | Diment,K.M. |
| B10 | Sigma | 7.6 | 1 | 9.5 | 5 | Absolute | TimeOfFlight | 83 | | | 5224 | | Feb67 | HAR | Diment,K.M. |
| B10 | Sigma | 7.5 | 1 | 3.0 | 4 | Absolute | TimeOfFlight | 2537 | AERE/R-5224 | | | | Feb67 | HAR | Diment,K.M. |
| | n-WIDTH | | | | | | | | | | | | | | |
| B10 | Γ(n) | 5.2 | 5 | 5.2 | 5 | | | 1 | PR | 114 | 569 | | Apr59 | ORL | Gibbons. |
| | Alpha-WIDTH | | | | | | | | | | | | | | |
| B10 | Γ(alpha) | 5.2 | 5 | 5.2 | 5 | | | 1 | PR | 114 | 569 | | Apr59 | ORL | Gibbons. |
| | TOTAL WIDTH | | | | | | | | | | | | | | |
| B10 | Γ | 1.9 | 6 | 1.9 | 6 | | | 1 | PR | 83 | 1148 | | Sep51 | WIS | Petree. |
| B10 | Γ | 5.3 | 5 | 4.1 | 6 | | | 4 | PR | 108 | 1025 | | Nov57 | RIC | Bichsel. |
| B10 | Γ | 1.9 | 6 | 3.3 | 6 | | | 2 | PR | 117 | 1330 | | Mar60 | LAS | Day,R.B.+ |
| B10 | Γ | 4.3 | 6 | 4.3 | 6 | | | 1 | PR | 123 | 209 | | Jul61 | WIS | Fossan. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| B10 | Resonance Energy | 2.6 | 6 | 4.7 | 6 | | | 3 | PR | 117 | 1330 | | Mar60 | LAS | Day,R.B.+ |
| B10 | Resonance Energy | 5.8 | 6 | 6.2 | 6 | | | 2 | PR | 123 | 209 | | Jul61 | WIS | Fossan. |
| B10 | Spin of Reson | 4.3 | 6 | 4.3 | 6 | | | 1 | PR | 123 | 209 | | Jul61 | WIS | Fossan. |
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| B11 | Sigma | 1.4 | 5 | 2.3 | 6 | Chlorine | Activation | 42 | PR | 125 | 1334 | | Feb62 | LOK | Imhof,W.L.+ |
| | LASTIC SCATTERING | | | | | | | | | | | | | | |
| | Sigma | 1.4 | 7 | 1.4 | 7 | | * | 1 | EANDC/OR- 75 | | | 29 | Jul68 | LAU | Adler,J.C.+ |
| | INEL SCATTERING | | | | | | | | | | | | | | |
| B11 | Sigma | 1.4 | 7 | 1.4 | 7 | | * | 7 | EANDC/OR- 75 | | | 29 | Jul68 | LAU | Adler,J.C.+ |
| | (n,nγ) REACTION | | | | | | | | | | | | | | |
| B11 | Sigma | 2.4 | 6 | 3.1 | 6 | | CrystalScint | 15 | AP | 12 | 485 | | 61 | LAS | Lind. |
| B11 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Ring Geomtry | 1 | APSWC/TR/60- 30 | | | | Jun60 | TNC | Prud'homme. |
| | MISC CROSS SECTION | | | | | | | | | | | | | | |
| B11 | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | 1 | ACR | 20 | 214 | | 66 | AUA | Craven. |
| B11 | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | 1 | PR | 146 | 660 | | Jun66 | LRL | Donaldson,R.E.+ |

CCDN-NW/13

# NEWSLETTER BULLETIN 13

ENEA NEUTRON DATA COMPILATION CENTRE

CENTRE ENEA DE COMPILATION DE DONNÉES NEUTRONIQUES

**DISCLAIMER**

**Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.**

## LEGAL NOTICE

Neither the Organisation for Economic Co-operation and Development, any of its Member Countries, or their agencies, nor any person or organisation acting either on behalf of any of them or otherwise in the development, compilation, publication or distribution of the information in this report:

1. makes any warranty or representation, expressed or implied, with respect to the accuracy, completeness, or usefulness of the information which it contains, or that the use of any information, apparatus, method, or process disclosed may not infringe privately-owned rights; or

2. assumes any liabilities with respect to the use of, or for damage resulting from the use of, any information, apparatus, method or process disclosed.

## AVERTISSEMENT

L'Organisation de Coopération et de Développement Economiques, ses pays membres, ou leurs agences, les personnes ou organisation agissant en leurs noms ou pour le développement, la compilation, la publication ou la distribution de l'information dans ce rapport :

1. Ne garantissent, expressément ou implicitement ni que les informations ci-jcintes sont exactes et complètes, ni que l'utilisation de ces informations, ainsi que des appareils, méthodes ou procédés décrits ne portent pas atteinte à des droits acquis ; ou

2. N'assument aucune responsabilité en ce qui concerne l'utilisation des dites informations, appareils, méthodes ou procédés ainsi que les conséquences pouvant en résulter.

The ENEA Neutron Data Compilation Centre is part of the Organisation for Economic Co-operation and Development and is financed by the following thirteen member countries:

Austria, Belgium, Denmark, France, Germany, Italy, Japan, the Netherlands, Norway, Spain, Sweden, Switzerland and the United Kingdom

Le Centre ENEA de Compilation de Données Neutroniques fait partie de l'Organisation de Coopération et de Développement Economiques et est financé par les treize pays membres suivants :

Allemagne, Autriche, Belgique, Danemark, Espagne, France, Italie, Japon, Norvège, Pays-Bas, Royaume-Uni, Suède, et Suisse.

CCDN-NW/13

# NEWSLETTER BULLETIN 13

FEBRUARY 1972 FÉVRIER

ATOMIC ENERGY COMMISSION
BETHESDA
JUL 3 1972
TECHNICAL LIBRARY
WASHINGTON, D. C. 20545




**ENEA NEUTRON DATA COMPILATION CENTRE**

**CENTRE ENEA DE COMPILATION DE DONNÉES NEUTRONIQUES**

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

For information please write to: Pour toute information s'adresser au :

CCDN
B.P. 9
91 - Gif-sur-Yvette

Téléphone : 951.73.33 ou 951.80.00, Ext. 46.53

Telex : CECODON 69920 F

Télégramme : EURONUCLEAIRE, Gif-sur-Yvette

# CONTENTS

# TABLE DES MATIERES


| | Page |
|---|---|
| Preface | V |
| Préface | XV |
| Introduction : How to read this index | VII |
| Introduction : Comment lire cet index | XVII |
| Tables | X |
| Tableaux | XX |
| 1. Chemical compounds and isotopic mixtures | X |
| 1. Composés chimiques et mélanges isotopiques | XX |
| 2. The sorting order of quantities or cross-sections for each nuclide | X |
| 2. Ordre de tri des quantités ou des sections efficaces pour chaque nuclide | XX |
| 3. Status codes | XII |
| 3. Codes statut | XXII |
| 4. Reference standards and quantity modifiers | XII |
| 4. Etalons de référence et modificateurs des grandeurs | XXII |
| 5. Methods, detectors and facilities | XIII |
| 5. Méthodes, compteurs et équipements | XXIII |
| Index to CCDN data files | 1 |
| Index au fichier CCDN de données | 1 |

Data requests from Canada and the United States should be directed to :
Les demandes de données en provenance du Canada et des Etats-Unis devront être adressées au :

National Neutron Cross Section Center,
Brookhaven National Laboratory,
Upton,
Long Island, N.Y. 11973,
U.S.A.

Data requests from other participating OECD countries should be directed to :
Les demandes de données en provenance des autres pays membres de l'OCDE devront être adressées au :

CCDN,
B.P. 9,
91, Gif-sur-Yvette,
France.

Data requests from Russia should be directed to :
Les demandes de données en provenance de Russie devront être adressées au :

Centr po Jadernym Dannym,
Obninsk (Kaluga region),
U.S.S.R

Data requests from the rest of the world should be directed to :
Les demandes de données du reste du monde devront être adressées au :

Nuclear Data Section,
International Atomic Energy Agency,
P.O. Box 590,
A-1011 VIENNA,
Austria.

# PREFACE

The present Newsletter is intended to inform all users of neutron data about the content of the CCDN Experimental Neutron Data Library as of February 1972. It supersedes the last index (CCDN-NW/11) published in October, 1969. Since then our data base has been greatly enlarged, thanks to the collaboration of neutron data users in the ENEA area (Western Europe plus Japan) and to the truly world-wide co-operation between the four existing data centres (listed on the opposite page).

Especially the reactor community - reactor physicists and evaluators - is by now accustomed to our services. It appears, however, that many others using neutron data - in biophysics, radiation chemistry and astrophysics, and university people including students - are much less aware of our existence and of the help we can offer. The following brief explanations are given mainly for these potential customers.

## Our customer services

- All our services are free of charge!

- Customers from the ENEA region (Western Europe plus Japan) can order retrievals directly from CCDN. Requests are usually answered within less than a week. Customers from the rest of the world can request our data through the centre servicing their area.

- Retrievals and sorts can be ordered according to

  nuclide,
  quantity,
  energy range,
  laboratory,
  reference,
  year of publication,
  experimental method,

- The requester will then get

  a listing of the index line(s),
  associated descriptive text, and
  the numerical values (tables) themselves.

- Users who want a first orientation before making detailed requests can order retrievals simply from the present index to the data file. They will then get

  listings of the index line(s),
  descriptive text for those tables which correspond to their specifications.

- The output medium can be

  listings,
  cards,
  magnetic tapes.

  In addition, graphs can be obtained upon special request.

So please do not hesitate to specify your needs. We can save you a lot of literature secrch or input preparation for your computer calculations. (By the way, we can give you similarly selective retrievals from our bibliographical (CINDA) index file, cf. CINDA 71).

This Newsletter will be the last complete index published in this form. In the future we plan to publish shorter updates in loose-leaf form containing only the new entries entered in the file since the preceding issue. These newsletters will appear about every three months. We hope that this is a better way to keep our customers informed about the rapidly-increasing content of our experimental data files.

Suggestions from our customers as to how we can improve our service are always welcome.

# INTRODUCTION

## How to read this index

The information in this Index is expressed as far as possible in normal English in order that the reader may avoid frequent references to dictionaries. The short discussion below explains column by column how the information is set out and is followed by a list of the complete output dictionaries, explaining those abbreviations in the text whose meaning is not immediately obvious.

### NUCLIDE

Where no atomic number is given, the experiment refers to the natural isotopic composition of the element. The few chemical compounds in the listing are classed with the element chiefly responsible for their neutron cross-section, which is given in Table 1. The two other unusual targets included are a radiogenic lead and an abnormal mixture of Zr isotopes.

### QUANTITY

The set of cross-sections and other quantities has been developed from the original SCISRS system*. These quantities have been grouped into broader categories rather similar to the reaction type of EXFOR †. The quantities are set out in Table 2: as an example of the grouping, we may take the main heading ELASTIC SCATTERING. The more precise quantities covered by this heading are integral values for elastic scattering, differential cross-sections expressed as angular distributions or coefficients for Legendre or cosine series, and polarisation of outgoing neutrons.

The main types of data held in the file are :

cross-sections,
resonance parameters, and
fission quantities.

The data listed refer to reactions where the incoming particles are neutrons and are almost exclusively experimental.

---

* BNL 883 with revisions, "Sigma Center Information Storage and Retrieval System".

† EXFOR: International EXchange FORmat for Neutron Data.

$E_{min}$ $E_{max}$

The lowest and highest neutron energies in the experiment are expressed in eV

1.4 7 should be read $1.4 \times 10^{7}$ eV = 14 MeV
9.3 - 1 should be read $9.3 \times 10^{-1}$ eV = 0.93 eV
2.5 - 2 is the energy entered for measurements in a thermal spectrum.

S STATUS

A blank signifies that the data are the most recent available from the measurement. Letters entered in the status column are explained in Table 3.

NORMALISATION

The reference standard used in the cross-section measurement is listed as an element, isotope, or given nuclear reaction. The vagueness of this indication has its origin in the rules for making SCISRS I entries. For example, the indication "copper" refers to the unspecified reaction Cu(n, ?) at an unspecified energy. If Ratio/Nuclide is given, this means the ratio of the cross-sections for the same reaction type. 'Ratio' means a ratio explained in the comments to the data.

For starred items (see METHOD), a detailed description of the normalisation is given in Comment. Further abbreviations are explained in Table 4.

METHOD

Most method indications are easily understood. A list of the less obvious abbreviations is given in Table 5.

An * following the method abbreviation indicates that the data have recently been compiled and include more extensive descriptive text.

DATA PNTS

This column gives the number of data points in the file for each index entry.

REFERENCE

For journals, the standard EXFOR/CINDA journal abbreviation* is followed by the volume and page number. References for reports usually contain only the report designation and a number.

DATE

The date given is the date of publication, or the date when a private communication was received.

LAB

The laboratory at which the work was done is listed, using standard EXFOR/CINDA laboratory abbreviations.

AUTHOR

For most of the measurements the first author's name is given, followed by a + sign if the work has more than a single author. These names were extracted by the computer from the data comments and checked as far as time allowed against the original publications.

---

* See the tables in CINDA 71.

Table 1. Chemical compounds and isotopic mixtures.

| | | |
|---|---|---|
| H2O | H | |
| $H2^{16}O$ | H | |
| CH2 | H | |
| $D2^{16}O$ | H | |
| D2O | H | |
| $D2^{18}O$ | H | |
| EthAl | H | Ethyl alcohol. |
| Phen- | H | Phenyl. |
| Benz | H | Benzene. |
| CyclH | H | Cyclohexane. |
| DiPh | H | Diphenyl. |
| DiPhA | H | Diphenyl alcohol. |
| PolSt | H | Polystrene. |
| PolEt | H | Polyethylene. |
| TerPh | H | Terphenyl. |
| BeO | Be | |
| SiO2 | Si | |
| ZrMix | Zr | Mixture of Zr isotopes: 50% $Zr^{92}$, 50% $Zr^{94}$. |
| LeadR | Pb | Radiogenic lead: 89% $Pb^{206}$. |

Table 2. The sorting order of quantities or cross-sections for each nuclide.

(n,γ) REACTION
- Sigma
- σ*Sqrt(E)
- Reson Integral
- Area
- Spectrum

γ, EMISSION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

ELASTIC SCATTERING
- Sigma
- Ang Distrib
- Legendre Fit
- Cosine Fit
- Polarizat n-out

ELASTIC+SOME INEL
- Sigma
- Ang Distrib
- Legendre Fit

INEL SCATTERING
- Sigma
- Ang Distrib
- Legendre Fit
- Cosine Fit
- Spectrum

(n,n'γ) REACTION
- Sigma
- Ang Distrib

ELASTIC+INELASTIC
- Sigma
- Yield
- σ(Averaged)
- σ/σ(Total)
- Ang Distrib
- Legendre Fit

MISC SCATT QUANT
- σ(Potential)
- σ(Coherent)
- σ(Incoherent)
- σ(Bound Atom)
- σ(Free Atom)
- Scatt Amplitude
- Scatt Radius

(n,2n) REACTION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

(n,3n) REACTION
- Sigma

(n,X>3n) REACTION
- Sigma

n-EMISSION
- Sigma

(n,p) REACTION
- Sigma
- σ(Compound)
- σ(Direct)
- Ang Distrib

(n,p) REACTION (cont'd)
- Ang Distr Direct
- (θ,E)-Distrib

(n,np) REACTION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

(n,2p) REACTION
- Sigma

p-EMISSION
- Sigma
- Ang Distrib
- Spectrum

(n,d) REACTION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

(n,np)+(n,d) REACT
- Sigma

(n,nd) REACTION
- Sigma

(n,t) REACTION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

(n,nt) REACTION
- Sigma

(n,p)+(n,d)+(n,t)
  Sigma

(n,He³) REACTION
  Sigma

(n,alpha) REACTION
  Sigma
  σ(Compound)
  σ(Direct)
  Spectrum
  Ang Distrib
  Legendre Fit
  Cosine Fit
  (θ,E)-Distrib

(n,γ alpha) REACT
  Sigma

(n,n alpha) REACT
  Sigma
  Ang Distrib

(n,alp)+(n,n'alp)
  Sigma
  Ang Distrib

(n,p alpha) REACT
  Sigma

(n,2 alpha) REACT
  Sigma
  Ang Distrib

alpha-EMISSION
  Sigma
  Ang Distrib
  Spectrum

CHARGED PART EMISS
  Sigma
  Legendre Fit
  Cosine Fit

(n,n3CHARGED PART)
  Sigma

FISSION CROSS SECT
  Sigma
  σ*Sqrt(E)
  Reson Integral

FISSION FRAGMENTS
  Yield
  Ang Distrib

NU-BAR
  Prompt+Delayed
  Prompt
  Delayed
  Unspecified

MISC FISS QUANT
  Neutron/Capture
  Eta/Nu
  Alpha
  Alpha + 1
  σ(Capt+Fiss)
  Binary/Ternary

REMOVAL CROSS SECT
  Sigma

ABSORPTION X-SECT
  Sigma
  σ*Sqrt(E)
  Reson Integral

ACTIVATION X-SECT
  Sigma

NONELASTIC SCATT
  Sigma
  Ang Distrib
  Spectrum

TOTAL CROSS-SECT
  Sigma
  σ*Sqrt(E)

γ-WIDTH
  Γ(γ)
  gΓ(γ)
  2gΓ(γ)
  agΓ(γ)
  Γ(γ)σ(0)
  Γ²(γ)σ(0)
  Γ(γ) Partial γ
  aΓ(γ)/Γ(f)
  gΓ(γ)Γ(n)/Γ
  agΓ(γ)Γ(n)/Γ
  <Γ(γ)>

n-WIDTH
  Γ(n)
  Γ(n)/g
  gΓ(n)
  2gΓ(n)
  agΓ(n)
  2agΓ(n)
  Γ(n,l=0)
  gΓ(n,l=0)
  2gΓ(n,l=0)
  agΓ(n,l=0)
  2agΓ(n,l=0)
  4agΓ(n,l=0)
  Γ(n,l=1)
  gΓ(n,l=1)
  agΓ(n,l=1)
  4agΓ(n,l=1)
  Γ(n,l=2)
  Γ(n)σ(0)
  Γ(n)/Γ
  gΓ(n)/Γ
  gΓ²(n)/Γ
  2gΓ²(n)/Γ

n-WIDTH (cont'd)
  <gΓ(n)>
  <Γ(n,l=0)>
  <gΓ(n,l=0)>

p-WIDTH
  Γ(p)
  Γ(p)σ(0)

alpha-WIDTH
  Γ(alpha)

FISSION WIDTH
  Γ(Fiss)
  Γ(Fiss)σ(0)
  Γ(Fiss)/Γ
  Γ(Fiss)σ(0)/Γ
  gΓ(f)Γ(n)/Γ
  Γ(f)Γ(n,l=0)/Γ
  gΓ(f)Γ(n,l=0)/Γ
  <Γ(f)>

TOTAL WIDTH
  Γ
  Γσ(0)
  Γ^{3/2}σ(0)
  Γ²σ(0)
  aΓ²σ(0)
  Γ²σ(0)/4E(0)^{3/2}

ADLER-ADLER PARAM
  Mu
  Nu
  G(Fission)
  H(Fission)
  G(Total)
  H(Total)

OTHER RESON PARAM
  Resonance Energy
  σ(0)
  aσ(0)
  Spin of Reson
  n-Orbit Ang Mom
  Parity
  Stat Weight Fact

AVERAGED PARAM
  Strength Funct
  Strength Fn(l=0)
  Strength Fn(l=1)
  Strength Fn(l=2)
  Str Fnct Part(γ)
  Level Spacing
  Lvl Spacing(l=0)

LEVEL DENS PARAM
  Nucl Temperature
  Fermi Param: a
  Spin cut-off Par

Table 3. Status codes.

| | |
|---|---|
| P | Preliminary data. |
| S | Superseded data. |
| C | Result based on theoretical calculations. |
| N | Result as published; needs renormalisation. |
| R | Recommended value. |

Table 4. Reference standards and quantity modifiers.

| | |
|---|---|
| σ(E≠E(th)) | Normalised to the same cross-section of the same nuclide at non thermal energy. |
| Ground/Total | |
| Another Reac | Based on another reaction of the same isotope. |
| σ(Tot-React) | Normalised to the total cross-section of the same reaction. |
| *4Pi/Sigma | |
| σ(Thermal) | Normalised to the same cross-section of the same nuclide at thermal energy. |
| AnothA SameZ | Another isotope of the same element. |
| Arb Units | Arbitrary units. |
| Ratio /$B^{10}$ | |
| Absolute | |
| Norm To Abs | Normalised to absolute measurements. |
| At one Angle | Normalised at one angle (for angular distributions). |
| Ratio /$Pu^{239}$ | |
| Stand Source | Incident neutrons from a standard source. |
| Ratio /$U^{235}$ | |
| Data in Comm | Extravagant data in comment. |
| Metast/Total | |
| Grnd/Metast | |
| σ(Total) | Normalised to total cross-section. |
| Ratio /$U^{238}$ | |
| Au(n,γ) | |
| Boron | |
| Carbon | |
| $Cu^{63}$(n,2n) | |
| Helium | |
| $Cf^{252}$(Nu) | $Cf^{252}$ Nu-bar of spontaneous fission. |
| $Co^{59}$ | |
| H(n,n) | |
| Indium | |
| Metast/Grnd | |
| Al(n,p) | |
| Al(n,alpha) | |
| $Mn^{55}$ | |
| $Na^{23}$ | |
| $U^{235}$(n,f) | |
| $P^{31}$(n,p) | |
| $Pu^{239}$ | |
| Ratio | |
| $S^{32}$(n,p) | |
| Th(n,f) | |
| $U^{238}$(n,f) | |
| $U^{233}$ | |
| $Ni^{58}$(n,p) | |
| $Pr^{141}$ | |
| $Y^{89}$ | |
| γ's /100neut | γ's per 100 neutrons captured. |
| Alna+Cu(n2n) | $Al^{27}$(n,alpha) + $Cu^{63}$(n,2n) + $Cu^{65}$(n,2n). |
| Iron | |
| Copper | |

Chlorine
$I^{127}$
$Ta^{181}$
Lead
$Li^{6}(n,a)$
Nitrogen
Silver

Table 5. Methods, detectors and facilities.

In this dictionary, the abbreviation C is used for Counter and T for Target.

| | |
|---|---|
| AreaAnalysis | |
| Accelerator | |
| Assoc Part | |
| AverageTrans | |
| Back-to-Back | Back-to-back fission counter. |
| Bubble Chamb | |
| Biased Scint | |
| Burn-up | |
| Breit-Wigner | |
| CloudChamber | |
| CaptureGamma | |
| Radiochemic | Radiochemical separation. |
| Coincidences | |
| Crystal Spec | |
| Count Telesc | |
| Diffraction | |
| Nuc Emulsion | |
| Extrapolatn | Extrapolation from other energies. |
| Fission Det | |
| γ-Spectromet | |
| Gas Scint | |
| Hornyak Butn | |
| $He^{3}$ Spec | |
| Holograph | |
| Interference | |
| Ion Chamber | |
| Diff Sig Int | Integrated differential cross-section. |
| Int Measured | Integral measurement (diffusion etc.). |
| Long Counter | |
| Ge(Li) Detect | |
| Polarizn-l/r | Left-right comparison for polarisation. |
| Liquid Scint | |
| ManganesBath | |
| Field Rotatn | |
| MultiLvl Fit | |
| Moxon-Rae C | Magnetic field rotation for polarisation. |
| Mass Spec | |
| ModeratrTank | |
| Neutron Det | |
| Pile Oscilat | |
| Proportion C | |
| Pulse Decay | |
| Solidstate C | |
| Polar T or B | Polarised target and/or beam. |
| Photo Plate | |
| PlasticScint | |
| Activation | |
| RecoilChambr | |
| ReactivityCo | |
| Ring Geomtry | |
| Scattering | |

| | |
|---|---|
| Shape Analys | |
| CrystalScint | |
| Spiralfiss C | |
| Selfindicatn | |
| SparkChamber | |
| Shell Trans | |
| Scint Tank | |
| Threshold C | |
| Total | $\sigma$(Total) - ($\sigma$(Elastic) or $\sigma$(Non-Elastic)). |
| TimeOfFlight | |
| Transmission | |
| Mirror Refl | Total reflection from mirrors. |
| Slowing-Down | Slowing-down-time spectrometer. |
| Thick+Thin T | |
| 4Pi*$\sigma$(90°) | |

---***---

# PREFACE

Le présent Bulletin a pour but d'informer tous les utilisateurs de données neutroniques sur le contenu de la Bibliothèque de Données Neutroniques Expérimentales du CCDN à la date du mois de Février 1972. Il annule et remplace le dernier index (CCDN-NW/11) publié en Octobre 1969. Depuis lors, notre banque de données s'est très nettement élargie, grâce à la collaboration des utilisateurs de données neutroniques de la zone ENEA (Europe Occidentale et Japon) et à la véritable coopération à l'échelle mondiale qui s'est instaurée entre les quatre Centres de données existants (dont la liste est donnée à la page IV.

A l'heure actuelle, ce sont surtout ceux appartenant à la communauté nucléaire - dans le domaine de la physique et de l'évaluation des réacteurs - qui font couramment appel à nos services. Il semble, cependant, que beaucoup d'autres chercheurs utilisant des données neutroniques - dans les secteurs de la biophysique, de la chimie des rayonnements et de l'astrophysique, ainsi que des personnes appartenant au milieu universitaire et notamment des étudiants - sont beaucoup moins conscients de notre existence et de l'aide que nous pouvons leur apporter. Les explications succinctes que nous donnons ci-après ont pour but d'informer principalement ces utilisateurs éventuels.

## Notre service utilisateurs

- Tous les services que nous rendons sont gratuits !
- Les utilisateurs de la zone ENEA (Europe Occidentale et Japon) peuvent s'adresser directement au CCDN pour lui demander de procéder à des recherches d'informations. Les réponses à ces requêtes sont habituellement fournies en moins d'une semaine. Les utilisateurs des autres parties du monde peuvent nous demander des données par l'intermédiaire du Centre qui dessert leur zone.
- Les demandes de recherche et de tri des informations peuvent être formulées en fonction :

  du nucléide,
  de la quantité,
  de la gamme d'énergie,
  du laboratoire,
  de la référence,
  de l'année de publication,
  de la méthode expérimentale.

- Le demandeur obtiendra alors

  une liste de la (ou des) entrée(s) correspondante(s) de l'index,
  des textes descriptifs s'y rattachant et
  les valeurs numériques (tableaux) elles-mêmes.

- Les utilisateurs qui désirent une première orientation avant d'établir des demandes détaillées peuvent demander que l'on procède simplement à des recherches à partir de l'index actuel des fichiers de données. Ils auront alors en retour

  des listes de la (ou des) entrée(s) correspondante(s) de l'index,
  des textes descriptifs concernant les tableaux qui correspondent à leurs indications.

- Les données de sortie obtenues peuvent être présentées sous forme de

  listes,
  cartes,
  bandes magnétiques.

  En outre, des graphiques peuvent être obtenus sur demande spéciale.

N'hésitez donc pas à nous faire part de vos besoins. Nous pouvons vous épargner de nombreuses recherches à travers la littérature ou d'importants travaux préparatoires concernant les entrées nécessaires à vos calculs sur ordinateur. (Nous vous signalons au passage que nous pouvons procéder pour vous à des recherches sélectives similaires à partir des fichiers inscrits dans notre index bibliographique (CINDA), cf. CINDA 71).

Ce Bulletin sera le dernier index complet publié sous cette forme. A l'avenir, nous envisageons de publier des mises à jour plus courtes, sous forme de feuilles libres ne comportant que les nouvelles entrées ajoutées aux dossiers depuis la publication précédente ; ces Bulletins paraîtront environ tous les trimestres. Nous espérons que cette méthode nous permettra de mieux tenir nos utilisateurs au courant du contenu de nos fichiers de données expérimentales qui s'accroissent rapidement.

Toute suggestion émise par nos utilisateurs sur la façon d'améliorer encore nos services sera toujours bien accueillie.

# INTRODUCTION

## Comment lire cet Index

L'information dans cet index est exprimée, dans la mesure du possible, en anglais courant afin d'éviter au lecteur de fréquents reports à des dictionnaires. On trouvera ci-dessous une description de l'information colonne par colonne, suivie d'une liste des dictionnaires complets, qui expliquent en même temps les abréviations dont le sens n'est pas évident au premier abord.

### NUCLIDE

En l'absence d'un nombre atomique, l'expérience se rapporte à la composition isotopique naturelle de l'élément. Les quelques composés chimiques sont classés avec l'élément auquel est principalement imputable leur section efficace neutronique ; ceux-ci sont donnés dans le Tableau 1. Deux autres cibles peu usuelles figurent dans la liste, ce sont : le plomb radiogénique et un mélange d'isotopes du Zr.

### QUANTITY

Les sections efficaces et autres grandeurs ont été développées à partir du système SCISRS original *. Ces grandeurs ont été groupées en catégories plus larges, à peu près similaires au type de réaction de EXFOR † (Tableau 2). Par exemple, l'en-tête ELASTIC SCATTERING recouvre les grandeurs plus précises suivantes : les sections efficaces intégrales pour la diffusion élastique, les sections efficaces différentielles exprimées soit en distribution angulaire soit en coefficients de séries de Legendre ou de séries en cosinus, et la polarisation des neutrons.

Les principaux types de données figurant au fichier sont les suivants :

sections efficaces,
paramètres de résonance, et
grandeurs relatives à la fission

---

* BNL 883 avec révisions, "Sigma Center Information Storage and Retrieval System".

† EXFOR : Format International d'échange des données neutroniques.

Les données figurant dans la liste se rapportent à des réactions dans lesquelles les particules incidentes sont des neutrons ; elles sont presque exclusivement expérimentales.

Emin Emax

Les énergies minima et maxima des neutrons intervenant dans l'expérience sont exprimées en eV

1.4 7 signifie $1,4 \times 10^{7}$ eV = 14 MeV
9.3 - 1 signifie $9,3 \times 10^{-1}$ eV = 0.93 eV
2.5 - 2 est l'énergie indiquée pour des mesures faites avec un spectre thermique

S STATUT

Un blanc signifie qu'il s'agit des données les plus récentes dont on dispose pour la mesure considérée. Les lettres figurant dans la colonne "Statut" sont expliquées dans le Tableau 3.

NORMALISATION

L'étalon de référence utilisé pour la mesure des sections efficaces est indiqué comme un élément, un isotope ou une réaction nucléaire. L'imprécision de cette indication a pour origine les impératifs des entrées SCISRS I. Par exemple, "copper" indique la réaction non spécifiée Cu(n, ?) à une énergie non précisée. Les indications Ratio/Nuclide montrent le rapport de la section efficace à la même section efficace pour le nuclide donné. L'indication 'Ratio' est expliquée dans les commentaires de données.

Pour les points avec astérisque (voir METHODE) une description détaillée de la normalisation est donnée dans le texte descriptif. D'autres abréviations apparaissent dans le Tableau 4.

METHODE

La plupart des indications relatives aux méthodes sont facilement compréhensibles. Une liste des abréviations les moins évidentes est donnée dans le Tableau 5.

Un * venant après l'abréviation caractérisant la méthode indique que les données ont été récemment compilées et comportent un texte descriptif plus complet.

DATA PNTS

Cette colonne donne le nombre de données figurant dans le fichier pour chaque entrée de l'index.

REFERENCE

Pour les périodiques, l'abréviation standard utilisée pour EXFOR/CINDA est suivie du numéro de volume et du numéro de page. Les références des rapports ne comportent d'habitude que la désignation du rapport et un nombre.

DATE

La date indiquée est celle de la publication ou, s'il s'agit d'une communication privée, celle a laquelle elle a été reçue.

LAB

Le laboratoire dans lequel les travaux ont été effectués est indiqué par son abréviation * selon les normes EXFOR/CINDA.

AUTHOR

Dans la plupart des cas le nom de l'auteur principal est donné ; il est suivi du signe + s'il y a d'autres auteurs à ce travail. Ces noms ont été extraits des commentaires des données par l'ordinateur et contrôlés par rapport aux publications originales dans la mesure où le temps le permettait.

---

* Voir les tableaux de CINDA 71.

Tableau 1. Composes chimiques et melanges isotopiques.

| | | |
|---|---|---|
| H2O | H | |
| $H2^{16}O$ | H | |
| CH2 | H | |
| $D2^{16}O$ | H | |
| D2O | H | |
| $D2^{18}O$ | H | |
| EthAl | H | Ethyl alcool. |
| Phen- | H | Phenyl. |
| Benz | H | Benzene. |
| CyclH | H | Cyclohexane. |
| DiPh | H | Diphenyl. |
| DiPhA | H | Diphenyl alcool. |
| PolSt | H | Polystrene. |
| PolEt | H | Polyethylene. |
| TerPh | H | Terphenyl. |
| BeO | Be | |
| SiO2 | Si | |
| ZrMix | Zr | Melange des isotopes du Zr: 50% $Zr^{92}$, 50% $Zr^{94}$. |
| LeadR | Pb | Plomb radiogenique: 89% $Pb^{206}$. |

Tableau 2. Ordre de tri des grandeurs ou des sections efficaces pour chaque nuclide.

(n,γ) REACTION
- Sigma
- σ*Sqrt(E)
- Reson Integral
- Area
- Spectrum

γ,EMISSION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

ELASTIC SCATTERING
- Sigma
- Ang Distrib
- Legendre Fit
- Cosine Fit
- Polarizat n-out

ELASTIC+SOME INEL
- Sigma
- Ang Distrib
- Legendre Fit

INEL SCATTERING
- Sigma
- Ang Distrib
- Legendre Fit
- Cosine Fit
- Spectrum

(n,n'γ) REACTION
- Sigma
- Ang Distrib

ELASTIC+INELASTIC
- Sigma
- Yield
- σ(Averaged)
- σ/σ(Total)
- Ang Distrib
- Legendre Fit

MISC SCATT QUANT
- σ(Potential)
- σ(Coherent)
- σ(Incoherent)
- σ(Bound Atom)
- σ(Free Atom)
- Scatt Amplitude
- Scatt Radius

(n,2n) REACTION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

(n,3n) REACTION
- Sigma

(n,X>3n) REACTION
- Sigma

n-EMISSION
- Sigma

(n,p) REACTION
- Sigma
- σ(Compound)
- σ(Direct)
- Ang Distrib

(n,p) REACTION (cont'd)
- Ang Distr Direct
- (θ,E)-Distrib

(n,np) REACTION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

(n,2p) REACTION
- Sigma

p-EMISSION
- Sigma
- Ang Distrib
- Spectrum

(n,d) REACTION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

(n,np)+(n,d) REACT
- Sigma

(n,nd) REACTION
- Sigma

(n,t) REACTION
- Sigma
- Ang Distrib
- (θ,E)-Distrib

(n,nt) REACTION
- Sigma

(n,p)+(n,d)+(n,t)
  Sigma

(n,He$^3$) REACTION
  Sigma

(n,alpha) REACTION
  Sigma
  $\sigma$(Compound)
  $\sigma$(Direct)
  Spectrum
  Ang Distrib
  Legendre Fit
  Cosine Fit
  ($\theta$,E)-Distrib

(n,$\gamma$ alpha) REACT
  Sigma

(n,n alpha) REACT
  Sigma
  Ang Distrib

(n,alp)+(n,n'alp)
  Sigma
  Ang Distrib

(n,p alpha) REACT
  Sigma

(n,2 alpha) REACT
  Sigma
  Ang Distrib

alpha-EMISSION
  Sigma
  Ang Distrib
  Spectrum

CHARGED PART EMISS
  Sigma
  Legendre Fit
  Cosine Fit

(n,n3CHARGED PART)
  Sigma

FISSION CROSS SECT
  Sigma
  $\sigma$*Sqrt(E)
  Reson Integral

FISSION FRAGMENTS
  Yield
  Ang Distrib

NU-BAR
  Prompt+Delayed
  Prompt
  Delayed
  Unspecified

MISC FISS QUANT
  Neutron/Capture
  Eta/Nu
  Alpha
  Alpha + 1
  $\sigma$(Capt+Fiss)
  Binary/Ternary

REMOVAL CROSS SECT
  Sigma

ABSORPTION X-SECT
  Sigma
  $\sigma$*Sqrt(E)
  Reson Integral

ACTIVATION X-SECT
  Sigma

NONELASTIC SCATT
  Sigma
  Ang Distrib
  Spectrum

TOTAL CROSS-SECT
  Sigma
  $\sigma$*Sqrt(E)

$\gamma$-WIDTH
  $\Gamma(\gamma)$
  $g\Gamma(\gamma)$
  $2g\Gamma(\gamma)$
  $ag\Gamma(\gamma)$
  $\Gamma(\gamma)\sigma(0)$
  $\Gamma^2(\gamma)\sigma(0)$
  $\Gamma(\gamma)$ Partial $\gamma$
  $a\Gamma(\gamma)/\Gamma(f)$
  $g\Gamma(\gamma)\Gamma(n)/\Gamma$
  $ag\Gamma(\gamma)\Gamma(n)/\Gamma$
  $\langle\Gamma(\gamma)\rangle$

n-WIDTH
  $\Gamma(n)$
  $\Gamma(n)/g$
  $g\Gamma(n)$
  $2g\Gamma(n)$
  $ag\Gamma(n)$
  $2ag\Gamma(n)$
  $\Gamma(n,l=0)$
  $g\Gamma(n,l=0)$
  $2g\Gamma(n,l=0)$
  $ag\Gamma(n,l=0)$
  $2ag\Gamma(n,l=0)$
  $4ag\Gamma(n,l=0)$
  $\Gamma(n,l=1)$
  $g\Gamma(n,l=1)$
  $ag\Gamma(n,l=1)$
  $4ag\Gamma(n,l=1)$
  $\Gamma(n,l=2)$
  $\Gamma(n)\sigma(0)$
  $\Gamma(n)/\Gamma$
  $g\Gamma(n)/\Gamma$
  $g\Gamma^2(n)/\Gamma$
  $2g\Gamma^2(n)/\Gamma$

n-WIDTH (cont'd)
  $\langle g\Gamma(n)\rangle$
  $\langle\Gamma(n,l=0)\rangle$
  $\langle g\Gamma(n,l=0)\rangle$

p-WIDTH
  $\Gamma(p)$
  $\Gamma(p)\sigma(0)$

alpha-WIDTH
  $\Gamma$(alpha)

FISSION WIDTH
  $\Gamma$(Fiss)
  $\Gamma$(Fiss)$\sigma(0)$
  $\Gamma$(Fiss)/$\Gamma$
  $\Gamma$(Fiss)$\sigma(0)/\Gamma$
  $g\Gamma(f)\Gamma(n)/\Gamma$
  $\Gamma(f)\Gamma(n,l=0)/\Gamma$
  $g\Gamma(f)\Gamma(n,l=0)/\Gamma$
  $\langle\Gamma(f)\rangle$

TOTAL WIDTH
  $\Gamma$
  $\Gamma\sigma(0)$
  $\Gamma^{3/2}\sigma(0)$
  $\Gamma^2\sigma(0)$
  $a\Gamma^2\sigma(0)$
  $\Gamma^2\sigma(0)/4E(0)^{3/2}$

ADLER-ADLER PARAM
  Mu
  Nu
  G(Fission)
  H(Fission)
  G(Total)
  H(Total)

OTHER RESON PARAM
  Resonance Energy
  $\sigma(0)$
  $a\sigma(0)$
  Spin of Reson
  n-Orbit Ang Mom
  Parity
  Stat Weight Fact

AVERAGED PARAM
  Strength Funct
  Strength Fn(l=0)
  Strength Fn(l=1)
  Strength Fn(l=2)
  Str Fnct Part($\gamma$)
  Level Spacing
  Lvl Spacing(l=0)

LEVEL DENS PARAM
  Nucl Temperature
  Fermi Param: a
  Spin cut-off Par

Tableau 3. Codes statut.

| | |
|---|---|
| P | Donnees preliminaires. |
| S | Donnees remplacees. |
| C | Resultat base sur des calculs theoriques. |
| N | Resultat tel qu'il a ete publie; devra etre normalise a nouveau. |
| R | Valeur recommandee. |

Tableau 4. Etalons de reference et modificateurs des grandeurs.

| | |
|---|---|
| $\sigma$(E≠E(th)) | Normalise a la meme section efficace pour le meme nuclide a une energie non thermique. |
| Ground/Total | |
| Another Reac | Base sur une autre reaction du meme isotope. |
| $\sigma$(Tot-React) | Normalise a la section efficace totale de la meme reaction. |
| *4Pi/Sigma | |
| $\sigma$(Thermal) | Normalise a la meme section efficace pour le meme nuclide a l'energie thermique. |
| AnothA SameZ | Un autre isotope du meme element. |
| Arb Units | Unites arbitraires. |
| Ratio /$B^{10}$ | |
| Absolute | |
| Norm To Abs | Normalise aux mesures absolues. |
| At one Angle | Normalise par rapport a la valeur mesuree dans un angle donne (pour les distributions angulaires). |
| Ratio /$Pu^{239}$ | |
| Stand Source | Source etalon des neutrons utilisee. |
| Ratio /$U^{235}$ | |
| Data in Comm | Donnees extraordinaires se trouvent dans le commentaire. |
| Metast/Total | |
| Grnd/Metast | |
| $\sigma$(Total) | Normalise a la section efficace totale. |
| Ratio /$U^{238}$ | |
| Au(n,$\gamma$) | |
| Boron | |
| Carbon | |
| $Cu^{63}$(n,2n) | |
| Helium | |
| $Cf^{252}$(Nu) | $Cf^{252}$ Nu-bar pour fission spontanee. |
| $Co^{59}$ | |
| H(n,n) | |
| Indium | |
| Metast/Grnd | |
| Al(n,p) | |
| Al(n,alpha) | |
| $Mn^{55}$ | |
| $Na^{23}$ | |
| $U^{235}$(n,f) | |
| $P^{31}$(n,p) | |
| $Pu^{239}$ | |
| Ratio | |
| $S^{32}$(n,p) | |
| Th(n,f) | |
| $U^{238}$(n,f) | |
| $U^{233}$ | |
| $Ni^{58}$(n,p) | |
| $Pr^{141}$ | |
| $Y^{89}$ | |
| $\gamma$'s /100neut | Nombre de $\gamma$'s pour 100 neutrons captures. |
| Alna+Cu(n2n) | $Al^{27}$(n,alpha) + $Cu^{63}$(n,2n) + $Cu^{65}$(n,2n). |
| Iron | |

Copper
Chlorine
$I^{127}$
$Ta^{181}$
Lead
$Li^{6}(n,a)$
Nitrogen
Silver

Tableau 5. Methodes, compteurs et equipements.

Dans ce dictionaire, C designe Compteur et T cible (Target).

| | |
|---|---|
| AreaAnalysis | |
| Accelerator | |
| Assoc Part | |
| AverageTrans | |
| Back-to-Back | Compteur de fission a feuilles opposees. |
| Bubble Chamb | |
| Biased Scint | |
| Burn-up | |
| Breit-Wigner | |
| CloudChamber | |
| CaptureGamma | |
| Radiochemic | Separation radiochimique. |
| Coincidences | |
| Crystal Spec | |
| Count Telesc | |
| Diffraction | |
| Nuc Emulsion | |
| Extrapolatn | Extrapolation a partir d'autres energies. |
| Fission Det | |
| γ-Spectromet | |
| Gas Scint | |
| Hornyak Butn | |
| $He^{3}$ Spec | |
| Holograph | |
| Interference | |
| Ion Chamber | |
| Diff Sig Int | Integration de la section efficace differentielle. |
| Int Measured | Mesure integrale (diffusion etc.). |
| Long Counter | |
| Ge(Li) Detect | |
| Polarizn-l/r | Mesure de polarisation par comparaison droite-gauche. |
| Liquid Scint | |
| ManganesBath | |
| Field Rotatn | |
| MultiLvl Fit | |
| Moxon-Rae C | Mesure de polarisation par rotation du champ magnetique. |
| Mass Spec | |
| ModeratrTank | |
| Neutron Det | |
| Pile Oscilat | |
| Proportion C | |
| Pulse Decay | |
| Solidstate C | |
| Polar T or B | Faisceau et/ou cible polarise(e)(s). |
| Photo Plate | |
| PlasticScint | |
| Activation | |
| RecoilChambr | |
| ReactivityCo | |
| Ring Gecmtry | |

| | |
|---|---|
| Scattering | |
| Shape Analys | |
| CrystalScint | |
| Spiralfiss C | |
| Selfindicatn | |
| SparkChamber | |
| Shell Trans | |
| Scint Tank | |
| Threshold C | |
| Total | $\sigma$(Totale) - ($\sigma$(Elastique) ou $\sigma$(Non-Elastique)). |
| TimeOfFlight | |
| Transmission | |
| Mirror Refl | Reflexion totale par miroirs. |
| Slowing-Down | Spectrometre a temps de ralentissement. |
| Thick+Thin T | |
| 4Pi*$\sigma$(90°) | |

---***---

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MISC SCATT QUANT | | | | | | | | | | |
| n¹ | Scatt Amplitude | 1.4 7 | 1.4 7 | | | Count Telesc | 1 | PL 10 109 | May64 | KOR | Voitovetskii. |
| n¹ | Scatt Amplitude | 1.4 7 | 1.4 7 | | | Count Telesc | 1 | NP B 1 49 | Jan67 | ISL | Bar-Avraham,E.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| n¹ | Sigma | 5.5 9 | 8.3 9 | | | | 2 | YF 1 134 | Jan65 | DUB | Pantuev. |
| n¹ | Sigma | 8.8 7 | 1.5 8 | | | PlasticScint | 7 | NP 85 142 | Sep66 | HRV | Measday. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| H | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| H | Sigma | 3.8 7 | 1.2 8 | | Absolute | Diff Sig Int | 12 | NP 41 401 | Mar63 | HAR | Bowen. |
| H | Sigma | 6.1 1 | 6.1 1 | | | | 1 | EANDC/E- 57 21 | Feb65 | MUN | Triftshauser. |
| H | Ang Distrib | 4.2 7 | 9.0 7 | | σ(Total) | Count Telesc | 32 | PR 75 351 | Feb49 | BRK | Hadley. |
| H | Ang Distrib | 4.2 7 | 9.0 7 | N | σ(Total) | Count Telesc | 32 | PR 75 351 | Feb49 | BRK | Hadley. |
| H | Ang Distrib | 2.6 8 | 2.6 8 | | σ(Total) | Count Telesc | 15 | PR 79 96 | Jul50 | BRK | Kelly. |
| H | Ang Distrib | 9.0 7 | 9.0 7 | | σ(Total) | Count Telesc | 8 | UCRL- 867 | Aug50 | BRK | Fox,R.H. |
| H | Ang Distrib | 9.0 7 | 9.0 7 | N | | Count Telesc | 8 | UCRL- 867 | Aug50 | BRK | Fox,R.H. |
| H | Ang Distrib | 9.0 7 | 9.0 7 | | σ(Total) | Nuc Emulsion | 9 | PR 81 493 | Feb51 | BRK | Wallace. |
| H | Ang Distrib | 9.0 7 | 9.0 7 | N | | Nuc Emulsion | 9 | PR 81 493 | Feb51 | BRK | Wallace. |
| H | Ang Distrib | 2.7 7 | 2.7 7 | | σ(Total) | Count Telesc | 6 | PR 82 190 | Apr51 | LAS | Brolley. |
| H | Ang Distrib | 1.6 8 | 1.6 8 | | σ(Total) | Count Telesc | 19 | PRS 213 392 | 52 | HAR | Randle. |
| H | Ang Distrib | 1.7 8 | 2.2 8 | | σ(Total) | Count Telesc | 20 | PR 88 15 | Oct52 | ROC | Guernsey. |
| H | Ang Distrib | 1.7 8 | 2.2 8 | N | σ(Total) | Count Telesc | 20 | PR 88 15 | Oct52 | ROC | Guernsey. |
| H | Ang Distrib | 1.4 7 | 2.8 7 | | σ(Total) | CrystalScint | 19 | PR 89 1194 | Mar53 | IIT | Remley. |
| H | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 8 | PR 91 90 | Jul53 | LAS | Allred,J.C.+ |
| H | Ang Distrib | 9.3 7 | 9.3 7 | | σ(Total) | Count Telesc | 6 | PR 92 724 | Nov53 | HRV | Selove. |
| H | Ang Distrib | 9.3 7 | 9.3 7 | N | | Count Telesc | 6 | PR 92 724 | Nov53 | HRV | Selove. |
| H | Ang Distrib | 3.8 8 | 3.8 8 | | σ(Total) | Count Telesc | 14 | DOK 99 939 | 54 | DUB | Dzhelepov. |
| H | Ang Distrib | 9.0 7 | 9.0 7 | | σ(Total) | Count Telesc | 4 | PR 94 208 | Apr54 | BRK | Chamberlain. |
| H | Ang Distrib | 9.0 7 | 9.0 7 | N | At one Angle | Count Telesc | 4 | PR 94 208 | Apr54 | BRK | Chamberlain. |
| H | Ang Distrib | 4.0 8 | 4.0 8 | | σ(Total) | Count Telesc | 23 | PR 95 591 | Jul54 | CAR | Hartzler. |
| H | Ang Distrib | 2.9 8 | 2.9 8 | | At one Angle | Count Telesc | 3 | UCRL- 2693 | Sep54 | BRK | Easley. |
| H | Ang Distrib | 9.1 7 | 9.1 7 | | σ(Tot-React) | Count Telesc | 23 | PR 96 1310 | Dec54 | HRV | Stahl. |
| H | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 6 | PR 97 757 | Feb55 | LAS | Seagrave,J.D. |
| H | Ang Distrib | 3.0 8 | 3.0 8 | | σ(Total) | CloudChamber | 17 | PR 99 1447 | Sep55 | BRK | De Pangher. |
| H | Ang Distrib | 1.8 7 | 1.8 7 | | σ(Total) | Count Telesc | 11 | PR 100 121 | Oct55 | ORL | Galonsky. |
| H | Ang Distrib | 1.3 8 | 1.3 8 | | σ(Total) | CloudChamber | 14 | PPS 69 760 | 56 | HAR | Randle. |
| H | Ang Distrib | 5.8 8 | 5.8 8 | | σ(Total) | Count Telesc | 15 | ZET 31 169 | 56 | DUB | Kazarinov. |
| H | Ang Distrib | 9.0 7 | 9.0 7 | | σ(Total) | CloudChamber | 18 | PR 106 539 | May57 | BRK | Chih. |
| H | Ang Distrib | 9.0 7 | 9.0 7 | N | σ(Total) | CloudChamber | 18 | PR 106 539 | May57 | BRK | Chih. |
| H | Ang Distrib | 9.6 7 | 1.4 8 | | | Nuc Emulsion | 9 | PPS 71 305 | 58 | UK | Griffith. |
| H | Ang Distrib | 5.8 8 | 5.8 8 | | At one Angle | Count Telesc | 2 | ZET 33 53 | 58 | DUB | Amaglobeli. |
| H | Ang Distrib | 5.9 8 | 5.9 8 | | | Ring Geomtry | 4 | ZET 36 735 | Mar59 | DUB | Golovin. |
| H | Ang Distrib | 6.3 8 | 6.3 8 | | σ(Total) | Count Telesc | 20 | ZET 37 1587 | Dec59 | DUB | Amaglobeli. |
| H | Ang Distrib | 1.3 8 | 1.3 8 | | σ(Total) | Count Telesc | 10 | PR 120 2201 | Dec60 | HRV | Hobbie. |
| H | Ang Distrib | 1.5 7 | 1.5 7 | | Absolute | Coincidences | 1 | CEA/R-2002 | Feb61 | SAC | Cambou,F. |
| H | Ang Distrib | 2.0 8 | 2.0 8 | | σ(Total) | Count Telesc | 21 | ZET 43 35 | Jul62 | DUB | Kazarinov. |
| H | Ang Distrib | 2.3 7 | 2.3 7 | | σ(Total) | Bubble Chamb | 12 | PR 128 1268 | Nov62 | LAS | Flynn,E.R.+ |
| H | Ang Distrib | 2.3 7 | 1.2 8 | | | Liquid Scint | 168 | NP 41 401 | Mar63 | HAR | Bowen. |
| H | Ang Distrib | 2.3 7 | 1.2 8 | | | PlasticScint | 135 | NP 41 401 | Mar63 | HAR | Bowen. |
| H | Ang Distrib | 1.4 7 | 1.4 7 | | Ratio | CloudChamber | 5 | ADP 16 354 | Dec65 | JNA | Greiner,E.+ |
| H | Ang Distrib | 1.3 8 | 1.5 8 | | | | 62 | PR 142 584 | Feb66 | HRV | Measday. |
| H | Ang Distrib | 1.4 7 | 1.4 7 | | At one Angle | RecoilChambr | 15 | PL B 24 173 | Feb67 | ISL | Suhami. |
| H | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 11 | 67BRELA- 867 | Jul67 | RBZ | Basar. |
| H | Ang Distrib | 2.0 8 | 2.0 8 | | Arb Units | Count Telesc | 7 | PR 167 1240 | Mar68 | USA | Thomas. |
| H | Ang Distrib | 2.5 6 | 2.8 6 | | Ratio | Count Telesc | 3 | PL B 29 105 | Apr69 | HUN | Czibok. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| H | Ang Distrib | 5.0 9 | 5.0 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| H | σ(Bound Atom) | 1.8 -2 | 3.3 -1 | | | Crystal Spec | 123 | AKE 11 433 | Dec66 | KIL | Suszkin,A. |
| H | σ(Bound Atom) | 1.8 -2 | 3.3 -1 | | Absolute | Crystal Spec | 36 | AKE 11 433 | Dec66 | KIL | Suszkin,A. |
| H | σ(Free Atom) | 3.4 1 | 3.4 1 | | | | 1 | EANDC/E- 57 21 | Feb65 | MUN | Triftshauser. |
| | (n,p) REACTION | | | | | | | | | | |
| H | Sigma | 5.0 -2 | 4.7 -1 | | | | 72 | AKE 14 370 | Oct69 | BER | Von Vorderwisch,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| H | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | AERE/R-2333 | 57 | HAR | Cummins. |
| H | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PPS 85 79 | Jan65 | UK | Harris,M.J.+ |
| H | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | ManganesBath | 1 | BAP 13 1421 | Nov68 | ANL | De Volpi. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| H | Sigma | 4.7 -1 | 1.8 3 | | Absolute | TimeOfFlight | 29 | PR 76 1744 | Dec49 | COL | Melkonian,E. |
| H | Sigma | 3.3 -3 | 3.9 -1 | | Absolute | TimeOfFlight | 34 | PR 76 1750 | Dec49 | COL | Melkonian,E. |
| H | Sigma | 1.4 7 | 1.4 7 | | | Accelerator | 1 | PR 81 139 | Jan51 | CAR | Lasday. |
| H | Sigma | 9.3 7 | 1.1 8 | | | Count Telesc | 4 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| H | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 5 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| H | Sigma | 1.6 7 | 1.1 8 | | Carbon | TimeOfFlight | 63 | NP 22 640 | Feb61 | HAR | Rowen,P.H.+ |
| H | Sigma | 5.0 9 | 5.0 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| H | Sigma | 2.8 6 | 2.8 6 | | Absolute | Coincidences | 1 | CEA/R-2399 | 64 | SAC | Ambrosino,G.+ |
| H | Sigma | 7.7 5 | 7.7 5 | | Absolute | AverageTrans | 1 | EANDC/E- 57 163 | Feb65 | SAC | Ambrosino,G.+ |
| H | Sigma | 7.0 5 | 3.2 7 | | Absolute | TimeOfFlight* | 1066 | PRL 23 866 | Oct69 | KFK | Cierjacks,S.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| H¹ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Pulse Decay * | 1 | PR 91 1284 | Sep53 | AE | Von Dardel. |
| H¹ | Sigma | 2.5 -2 | 2.5 -2 | | | * | 1 | AF 15 471 | 59 | AE | Sjostrand,N.G.+ |
| H¹ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Pulse Decay * | 1 | CZJA 11 480 | 61 | UJV | Bayer,R.+ |
| H¹ | Sigma | 5.0 7 | 5.0 7 | | σ(Total) | Bubble Chamb | 1 | PPS 78 912 | 61 | HAR | Barford. |
| H¹ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc* | 1 | PR 124 1947 | Dec61 | RBZ | Cerineo. |
| H¹ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Pulse Decay * | 2 | JNE 16 376 | Jul62 | UJV | Dlouhy,Z.+ |
| H¹ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Count Telesc* | 1 | 64PARIS/II- 244 | Jul64 | RBZ | Slaus,I.+ |
| H¹ | Sigma | 1.4 7 | 1.4 7 | S | | | 1 | PRL 14 444 | Mar65 | RBZ | Adacic,V.+ |
| H¹ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Pulse Decay * | 1 | 65KRLSRH/I- 165 | May65 | KFI | Pal,L.+ |
| H¹ | Sigma | 1.4 7 | 1.4 7 | | Absolute | * | 1 | NP A 92 233 | Feb67 | RBZ | Tudoric-Ghemo,J. |
| H¹ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Proportion C* | 1 | NUK 11 159 | Jun68 | CTH | Elkert,J. |
| H¹ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Pulse Decay * | 1 | CZJB 19 911 | 69 | UJV | Bayer,R.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ELASTIC SCATTERING | | | | | | | | | | |
| H1 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PR 91 90 | Jul53 | LAS | Allred,J.C.+ |
| H1 | Sigma | 3.8 7 | 1.2 8 | | | Diff Sig Int | 12 | 60LONDON- 99 | 60 | HAR | Bowen. |
| H1 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Diff Sig Int | 1 | JPJ 28 11 | Jan70 | YOK | Tanaka,M.+ |
| H1 | Ang Distrib | 4.2 7 | 9.0 7 | | σ(Total) | Count Telesc | 32 | PR 75 351 | Feb49 | BRK | Hadley. |
| H1 | Ang Distrib | 4.2 7 | 9.0 7 | N | σ(Total) | Count Telesc | 23 | PR 75 351 | Feb49 | BRK | Hadley. |
| H1 | Ang Distrib | 2.6 8 | 2.6 8 | | σ(Total) | Count Telesc | 15 | PR 79 96 | Jul50 | BRK | Kelly. |
| H1 | Ang Distrib | 9.0 7 | 9.0 7 | | σ(Total) | Count Telesc | 8 | UCRL- 867 | Aug50 | BRK | Fox,R.H. |
| H1 | Ang Distrib | 9.0 7 | 9.0 7 | N | | Count Telesc | 8 | UCRL- 867 | Aug50 | BRK | Fox,R.H. |
| H1 | Ang Distrib | 3.1 6 | 3.1 6 | | σ(Total) | Ring Geomtry | 6 | PR 80 469 | Nov50 | OSA | Oda,Y.+ |
| H1 | Ang Distrib | 9.0 7 | 9.0 7 | | σ(Total) | Nuc Emulsion | 8 | PR 81 493 | Feb51 | BRK | Wallace. |
| H1 | Ang Distrib | 9.0 7 | 9.0 7 | N | | Nuc Emulsion | 9 | PR 81 493 | Feb51 | BRK | Wallace. |
| H1 | Ang Distrib | 1.6 8 | 1.6 8 | | σ(Total) | Count Telesc | 19 | PRS 213 392 | 52 | HAR | Randle. |
| H1 | Ang Distrib | 1.7 8 | 2.2 8 | | σ(Total) | Count Telesc | 20 | PR 88 15 | Oct52 | ROC | Guernsey. |
| H1 | Ang Distrib | 1.7 8 | 2.2 8 | N | σ(Total) | Count Telesc | 20 | PR 88 15 | Oct52 | ROC | Guernsey. |
| H1 | Ang Distrib | 1.4 7 | 2.8 7 | | σ(Total) | CrystalScint | 19 | PR 89 1194 | Mar53 | IIT | Remley. |
| H1 | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 8 | PR 91 90 | Jul53 | LAS | Allred,J.C.+ |
| H1 | Ang Distrib | 9.3 7 | 9.3 7 | | σ(Total) | Count Telesc | 6 | PR 92 724 | Nov53 | HRV | Selove. |
| H1 | Ang Distrib | 9.3 7 | 9.3 7 | N | | Count Telesc | 6 | PR 92 724 | Nov53 | HRV | Selove. |
| H1 | Ang Distrib | 3.8 8 | 3.8 8 | | σ(Total) | Count Telesc | 14 | DOK 99 939 | 54 | DUB | Dzhelepov. |
| H1 | Ang Distrib | 9.0 7 | 9.0 7 | | σ(Total) | Count Telesc | 4 | PR 94 208 | Apr54 | BRK | Chamberlain. |
| H1 | Ang Distrib | 9.0 7 | 9.0 7 | N | At one Angle | Count Telesc | 4 | PR 94 208 | Apr54 | BRK | Chamberlain. |
| H1 | Ang Distrib | 4.0 8 | 4.0 8 | | σ(Total) | Count Telesc | 23 | PR 95 591 | Jul54 | CAR | Hartzler. |
| H1 | Ang Distrib | 2.9 8 | 2.9 8 | | At one Angle | Count Telesc | 3 | UCRL- 2693 | Sep54 | BRK | Easley. |
| H1 | Ang Distrib | 1.4 8 | 1.4 8 | | | Liquid Scint | 7 | PRS 229 492 | 55 | HAR | Thresher. |
| H1 | Ang Distrib | 1.1 8 | 1.1 8 | | | Liquid Scint | 7 | PRS 229 492 | 55 | OXF | Thresher. |
| H1 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 6 | PR 97 757 | Feb55 | LAS | Seagrave,J.D. |
| H1 | Ang Distrib | 3.0 8 | 3.0 8 | | σ(Total) | CloudChamber | 17 | PR 99 1447 | Sep55 | BRK | De Pangher. |
| H1 | Ang Distrib | 1.3 8 | 1.3 8 | | σ(Total) | CloudChamber | 14 | PPS 69 760 | 56 | HAR | Randle. |
| H1 | Ang Distrib | 9.0 7 | 9.0 7 | | σ(Total) | CloudChamber | 18 | PR 106 539 | May57 | BRK | Chih. |
| H1 | Ang Distrib | 9.0 7 | 9.0 7 | N | σ(Total) | CloudChamber | 18 | PR 106 539 | May57 | BRK | Chih. |
| H1 | Ang Distrib | 9.6 7 | 1.4 8 | | | Nuc Emulsion | 9 | PPS 71 305 | 58 | HAR | Griffith. |
| H1 | Ang Distrib | 1.3 8 | 1.3 8 | | | Nuc Emulsion | 7 | PPS 71 305 | 58 | UK | Griffith. |
| H1 | Ang Distrib | 5.8 8 | 5.8 8 | | At one Angle | Count Telesc | 4 | ZET 33 53 | 58 | DUB | Amaglobeli. |
| H1 | Ang Distrib | 6.3 8 | 6.3 8 | | σ(Total) | Count Telesc | 20 | ZET 37 1587 | Dec59 | DUB | Amaglobeli. |
| H1 | Ang Distrib | 1.4 7 | 1.4 7 | | σ(Total) | Count Telesc | 4 | JPJ 15 1359 | Aug60 | KTO | Nakamura. |
| H1 | Ang Distrib | 1.3 8 | 1.3 8 | | σ(Total) | Count Telesc | 10 | PR 120 2201 | Dec60 | HRV | Hobbie. |
| H1 | Ang Distrib | 1.5 7 | 1.5 7 | | Absolute | Coincidences | 25 | CEA/R-2002 | Feb61 | SAC | Cambou,F. |
| H1 | Ang Distrib | 2.0 8 | 2.0 8 | | σ(Total) | Count Telesc | 21 | ZET 43 35 | Jul62 | DUB | Kazarinov. |
| H1 | Ang Distrib | 1.4 7 | 1.4 7 | | Ratio | CloudChamber | 5 | ADP 16 354 | Dec65 | JNA | Greiner,E.+ |
| H1 | Ang Distrib | 1.3 8 | 1.5 8 | | | | 62 | PR 142 584 | Feb66 | HRV | Measday. |
| H1 | Ang Distrib | 1.4 7 | 1.4 7 | | At one Angle | RecoilChambr | 15 | PL B 24 173 | Feb67 | ISL | Suhami. |
| H1 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 11 | 67BRELA- 867 | Jul67 | RBZ | Basar. |
| H1 | Ang Distrib | 2.0 8 | 2.0 8 | | Arb Units | Count Telesc | 8 | PR 167 1240 | Mar68 | USA | Thomas. |
| H1 | Ang Distrib | 1.2 6 | 6.2 6 | | Ratio | Count Telesc* | 38 | PL B 29 562 | Aug69 | GEL | Paulsen,A.+ |
| H1 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Count Telesc | 8 | JPJ 28 11 | Jan70 | YOK | Tanaka,M.+ |
| H1 | Ang Distrib | 2.4 7 | 2.4 7 | | H(n,n) | * | 4 | PR C 1 1226 | Apr70 | WIS | Rothenberg,L.N. |
| H1 | Cosine Fit | 1.4 7 | 1.4 7 | | σ(Total) | Count Telesc | 5 | JPJ 15 1359 | Aug60 | KTO | Nakamura. |
| H1 | Cosine Fit | 1.5 7 | 1.5 7 | | Ratio | Coincidences | 2 | CEA/R-2002 | Feb61 | SAC | Cambou,F. |
| H1 | Cosine Fit | 1.4 7 | 1.4 7 | | Absolute | Count Telesc | 3 | JPJ 28 11 | Jan70 | YOK | Tanaka,M.+ |
| | INEL SCATTERING | | | | | | | | | | |
| H1 | Sigma | 3.0 10 | 3.0 10 | | Absolute | Coincidences | 1 | NP 33 236 | May62 | HUN | Bozoki,G.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| H1 | Sigma | 1.6 7 | 1.6 7 | | | | 2 | INDSWG- 74 7 | Oct65 | CCP | Broder,D.L.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| H1 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | PR 72 1147 | Dec47 | LAS | Sutton. |
| H1 | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| H1 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| H1 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | PR 84 1160 | Dec51 | ANL | Burgy. |
| H1 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | PR 90 1125 | Jun53 | CAV | Stewart. |
| H1 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | 55GENEVA/ 2- 81 | Aug55 | CCP | Nikitin. |
| H1 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | PR 126 632 | Apr62 | LRL | Dickinson. |
| H1 | σ(Incoherent) | 2.5 -2 | 2.5 -2 | | | | 1 | PR 82 5 | Apr51 | STF | Meyerhof. |
| H1 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| H1 | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| H1 | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | RMP 39 546 | Jul67 | HRV | Houk. |
| H1 | σ(Free Atom) | 2.5 -2 | 2.5 -2 | S | | | 1 | RMP 39 546 | Jul67 | HRV | Houk. |
| H1 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | PR 72 1147 | Dec47 | LAS | Sutton. |
| H1 | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| H1 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | PR 84 1160 | Dec51 | ANL | Burgy. |
| H1 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | PR 90 1125 | Jun53 | CAV | Stewart. |
| H1 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | 55GENEVA/ 2- 81 | Aug55 | CCP | Nikitin. |
| H1 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | PR 126 632 | Apr62 | LRL | Dickinson. |
| | (n,p) REACTION | | | | | | | | | | |
| H1 | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | CloudChamber | 7 | ADP 16 354 | Dec65 | JNA | Greiner,E.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 61 152 | Feb42 | UI | Manley. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 1 | CJP 25A 261 | 47 | CAN | Whitehouse. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | Boron | | 1 | PR 90 603 | May53 | ANL | Hammermesh. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 91 125 | Jul53 | ANL | Harris. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 95 582 | Jul54 | LAS | Scott. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | * | 1 | PR 96 1245 | Dec54 | AE | Von Dardel. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 55GENEVA/ 5- 3 | Aug55 | CCP | Antonov. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PPS 69 469 | Jun56 | OXF | Meads,R.E.+ |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | NC 4 59 | Jul56 | CTS | Bracci,A.+ |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | Boron | | 1 | PRS 248 539 | 58 | UK | Baker. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 114 1561 | Jun59 | CSE | Stooksberry,R.W.+ |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | 63MANCH- 34 | Oct63 | OXF | Cox. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | KAY 64 | 64 | UK | Kay. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | |
| H1 | Sigma | 2.9 6 | 2.9 6 | | Absolute | Ion Chamber | 1 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| H1 | Sigma | 2.5 7 | 2.5 7 | | Absolute | Threshold C | 1 | PR 68 240 | Dec45 | HRV | Sherr. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 4 | HPA 19 285 | Jul46 | ETH | Gibert,A.+ |
| H1 | Sigma | 3.5 5 | 6.0 6 | | | RecoilChambr | 15 | PR 70 583 | Nov46 | MIN | Bailey,C.L.+ |
| H1 | Sigma | 3.5 4 | 4.9 5 | | | Proportion C | 4 | PR 70 589 | Nov46 | LAS | Frisch,D.H. |
| H1 | Sigma | 2.5 -2 | 2.5 -2 | C | | | 3 | HPA 20 105 | Apr47 | ETH | Rossel,J. |
| H1 | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| H1 | Sigma | 2.2 5 | 4.0 6 | | | Proportion C | 10 | HPA 23 15 | 50 | CAV | Bretscher,E.+ |
| H1 | Sigma | 9.5 7 | 9.5 7 | | | Fission Det | 1 | PR 77 606 | Mar50 | BRK | Dejuren,J.+ |
| H1 | Sigma | 1.0 6 | 1.0 6 | | Absolute | Accelerator | 1 | PR 77 748 | Mar50 | WIS | Adair. |
| H1 | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| H1 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Liquid Scint | 1 | PR 87 11 | Jul52 | BNL | Poss,H.L.+ |
| H1 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| H1 | Sigma | 3.8 7 | 1.5 8 | | Absolute | Count Telesc | 5 | PM 44 95 | 53 | HAR | Taylor. |
| H1 | Sigma | 4.7 6 | 4.7 6 | | Absolute | Accelerator | 1 | PR 89 204 | Jan53 | BNL | Hafner,E.M.+ |
| H1 | Sigma | 2.9 6 | 1.3 7 | | Absolute | Ion Chamber | 38 | PR 89 775 | Feb53 | LAS | Nereson. |
| H1 | Sigma | 2.0 7 | 2.0 7 | | Absolute | Biased Scint | 1 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| H1 | Sigma | 1.0 6 | 2.5 6 | | Absolute | RecoilChambr | 2 | PR 94 389 | Apr54 | WIS | Fields. |
| H1 | Sigma | 1.4 7 | 1.8 7 | | Absolute | Accelerator | 8 | PR 94 651 | May54 | RIC | Cook. |
| H1 | Sigma | 1.3 6 | 1.3 6 | | | Proportion C | 1 | PR 95 1252 | Sep54 | MIT | Storrs. |
| H1 | Sigma | 4.8 7 | 8.8 7 | | Absolute | Liquid Scint | 3 | PR 96 115 | Oct54 | HRV | Hillman. |
| H1 | Sigma | 6.0 4 | 5.5 5 | | | Proportion C | 5 | PPS 68 1077 | 55 | HAR | Allen,W.D.+ |
| H1 | Sigma | 7.2 6 | 1.4 7 | | Absolute | Biased Scint | 6 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| H1 | Sigma | 2.0 7 | 2.0 7 | | Absolute | Biased Scint | 1 | PR 114 209 | Apr59 | LAS | Day,R.B.+ |
| H1 | Sigma | 1.4 7 | 1.4 7 | | | Accelerator | 1 | NP 12 291 | Jul59 | LAS | Coon,J.H.+ |
| H1 | Sigma | 1.6 7 | 1.1 8 | | Carbon | TimeOfFlight | 63 | NP 22 640 | Feb61 | HAR | Bowen,P.H.+ |
| H1 | Sigma | 8.3 9 | 8.3 9 | | | | 1 | ZET 42 395 | 62 | CCP | Ozhdanji. |
| H1 | Sigma | 2.0 8 | 2.0 8 | | Absolute | Count Telesc | 1 | ZET 43 35 | Jul62 | DUB | Kazarinov. |
| H1 | Sigma | 4.9 5 | 3.2 5 | | | Gas Scint | 2 | PR 129 324 | Jan63 | COL | Engelke. |
| H1 | Sigma | 2.6 9 | 8.3 9 | | | | 5 | YF 1 134 | Jan65 | DUB | Pantuev. |
| H1 | Sigma | 1.0 8 | 1.3 9 | | | Coincidences | 29 | YF 1 271 | Feb65 | DUB | Kazarinov. |
| H1 | Sigma | 2.0 7 | 3.0 7 | | Absolute | Accelerator | 9 | ORNL-3778 94 | Mar65 | ORL | Willard,H.B.+ |
| H1 | Sigma | 1.8 -3 | 1.8 -3 | | | | 47 | EANDC/E- 66 52 | Feb66 | KIL | Schmidt,U.+ |
| H1 | Sigma | 2.1 -2 | 5.4 -1 | | | Crystal Spec | 455 | EANDC/E- 66 52 | Feb66 | KIL | Schmidt,U.+ |
| H1 | Sigma | 2.0 7 | 2.8 7 | | Absolute | PlasticScint | 3 | NP 83 199 | Jul66 | CBR | Groce,D.E.+ |
| H1 | Sigma | 8.8 7 | 1.5 8 | | | PlasticScint | 7 | NP 85 142 | Sep66 | HRV | Measday. |
| H1 | Sigma | 8.8 7 | 1.5 8 | | Absolute | PlasticScint | 7 | NP 85 142 | Sep66 | HRV | Measday. |
| H1 | Sigma | 8.8 7 | 1.5 8 | | Carbon | PlasticScint | 7 | NP 85 142 | Sep66 | HRV | Measday. |
| H1 | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 238 | FOSTER 67E | May67 | BNW | Foster. |
| H1 | Sigma | 1.5 10 | 2.7 10 | | | | 4 | PRL 20 468 | Feb68 | USA | Kriesler. |
| H1 | Sigma | 8.4 5 | 5.9 5 | | | TimeOfFlight* | 10 | AERE/PR/NP-16 39 | Aug69 | HAR | Langsford,A.+ |
| H1 | Sigma | 1.4 6 | 1.5 7 | S | Absolute | TimeOfFlight* | 1656 | PL B 30 36 | Sep69 | NBS | Schwartz,R.B.+ |
| H1 | Sigma | 4.0 9 | 5.7 9 | | Absolute | Transmission* | 2 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.P.+ |
| H1 | Sigma | 2.5 7 | 5.9 7 | | Absolute | Transmission* | 8 | PRL 25 1628 | Dec70 | DAV | Brady,F.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| H2 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 87 785 | Sep52 | ANL | Kaplan,L.+ |
| H2 | Sigma | 1.4 7 | 1.4 7 | | | Count Telesc* | 1 | PR 124 1947 | Dec61 | RBZ | Cerineo. |
| H2 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc* | 1 | PR 124 1947 | Dec61 | RBZ | Cerineo. |
| H2 | Sigma | 2.5 -2 | 2.5 -2 | | H(n,n) | CaptureGamma | 1 | ANL-6719 17 | 63 | ANL | Raboy. |
| H2 | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | ANL-6797 236 | 63 | LAS | Jurney. |
| H2 | Sigma | 2.5 -2 | 2.5 -2 | N | $Co^{59}$ | Activation | 1 | NSE 28 286 | May67 | CR | Merritt. |
| H2 | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | NSE 34 195 | Nov68 | CR | Merritt. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| H2 | Sigma | 4.5 6 | 5.5 5 | | | Diff Sig Int | 2 | PR 84 169 | Oct51 | BNL | Wantuch,E. |
| H2 | Sigma | 1.3 5 | 9.1 5 | | | RecoilChambr | 6 | PR 89 1247 | Mar53 | HAR | Tunnicliffe,P.R. |
| H2 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PR 91 90 | Jul53 | LAS | Allred,J.C.+ |
| H2 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PR 97 757 | Feb55 | LAS | Seagrave,J.D. |
| H2 | Sigma | 1.4 7 | 1.4 7 | | | Total | 1 | VEDRENNE 66A | Jan66 | FR | Vedrenne,G.+ |
| H2 | Sigma | 1.4 7 | 1.4 7 | C | | TimeOfFlight | 1 | HPA 41 435 | Apr68 | ETH | Bruellmann,M.+ |
| H2 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 174 1105 | Oct68 | CLA | Berick. |
| H2 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 174 1105 | Oct68 | UCL | Berick. |
| H2 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Diff Sig Int | 1 | NP A120 387 | Nov68 | YOK | Shirato,S.+ |
| H2 | Ang Distrib | 3.1 6 | 3.1 5 | | Absolute | Ring Geomtry | 2 | PR 80 750 | Nov50 | OSA | Muether,H.R.+ |
| H2 | Ang Distrib | 4.5 6 | 5.5 5 | | | Count Telesc | 13 | PR 84 169 | Oct51 | BNL | Wantuch,E. |
| H2 | Ang Distrib | 2.2 5 | 2.5 5 | | σ(Total) | RecoilChambr | 88 | PR 89 1165 | Mar53 | WIS | Adair. |
| H2 | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 26 | PR 91 90 | Jul53 | LAS | Allred,J.C.+ |
| H2 | Ang Distrib | 1.0 5 | 2.0 5 | | H(n,n) | RecoilChambr | 44 | PPS 68 650 | 55 | HAR | Allen,W.D.+ |
| H2 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 8 | PR 97 757 | Feb55 | LAS | Seagrave,J.D. |
| H2 | Ang Distrib | 2.4 6 | 3.3 5 | | H(n,n) | Biased Scint | 17 | PR 105 1816 | Mar57 | LAS | Seagrave,J.D.+ |
| H2 | Ang Distrib | 3.3 6 | 3.3 5 | | H(n,n) | Coincidences | 6 | HPA 32 511 | Dec59 | ETH | Bruellmann,M.+ |
| H2 | Ang Distrib | 5.0 5 | 1.9 5 | | Carbon | Long Counter | 15 | PR 128 779 | Oct62 | ANL | Elwyn. |
| H2 | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | TimeOfFlight* | 6 | EANDC/OR- 39 | Apr65 | OSL | Nesselt,S. |
| H2 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Coincidences | 15 | VEDRENNE 66A | Jan66 | FR | Vedrenne,G.+ |
| H2 | Ang Distrib | 1.2 6 | 4.9 5 | | H(n,n) | Coincidences | 83 | VEDRENNE 66A | Jan66 | SAC | Vedrenne,G.+ |
| H2 | Ang Distrib | 5.6 6 | 9.0 5 | S | H(n,n) | TimeOfFlight | 76 | BAP 11 303 | Apr66 | RIC | Bonner,B.E.+ |
| H2 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 11 | 67BRELA- 867 | Jul67 | RBZ | Basar. |
| H2 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | TimeOfFlight* | 10 | HPA 41 435 | Apr68 | ETH | Bruellmann,M.+ |
| H2 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | TimeOfFlight | 19 | PR 174 1105 | Oct68 | CLA | Berick. |
| H2 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | TimeOfFlight | 19 | PR 174 1105 | Oct68 | UCL | Berick. |
| H2 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | | 11 | NP A120 387 | Nov68 | YOK | Shirato,S.+ |
| H2 | Ang Distrib | 3.5 7 | 3.5 7 | | H(n,n) | TimeOfFlight | 16 | BAP 14 553 | Apr69 | USA | Romero. |
| H2 | Ang Distrib | 5.6 6 | 9.0 5 | | H(n,n) | TimeOfFlight | 56 | NP A128 183 | Apr69 | RIC | Bonner. |
| H2 | Ang Distrib | 2.8 7 | 2.8 7 | | H(n,n) | Coincidences* | 13 | NP A144 607 | Apr70 | LYO | Gouanere,M.+ |
| H2 | Legendre Fit | 1.2 6 | 1.4 7 | | H(n,n) | Coincidences | 35 | VEDRENNE 66A | Jan66 | FR | Vedrenne,G.+ |
| H2 | Legendre Fit | 1.4 7 | 1.4 7 | | H(n,n) | TimeOfFlight | 9 | PR 174 1105 | Oct68 | CLA | Berick. |
| H2 | Legendre Fit | 1.4 7 | 1.4 7 | | H(n,n) | TimeOfFlight | 9 | PR 174 1105 | Oct68 | UCL | Berick. |
| | MISC SCATT QUANT | | | | | | | | | | |
| H2 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | CJP 29 36 | 51 | CR | Hurst. |
| H2 | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| H2 | σ(Coherent) | 2.5 4 | 2.5 4 | | | | 1 | 55GENEVA/ 2- 81 | Aug55 | CCP | Nikitin. |
| H2 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | BAP 8 477 | 63 | LRL | Bartolini. |
| H2 | σ(Incoherent) | 2.5 -2 | 2.5 -2 | | | | 1 | ZK 118 149 | 63 | MUN | Gissler. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MISC SCATT QUANT (CONTINUED) | | | | | | | | | | |
| $H^2$ | σ(Incoherent) | 1.3 2 | 1.3 2 | C | | Scattering * | 1 | PL B 36 208 | Sep71 | MUN | Dilg,W.+ |
| $H^2$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $H^2$ | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $H^2$ | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | PL B 24 562 | May67 | LAS | Van Oers. |
| $H^2$ | σ(Free Atom) | 1.3 2 | 1.3 2 | | | Transmission* | 1 | PL B 36 208 | Sep71 | MUN | Dilg,W.+ |
| $H^2$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | CJP 29 36 | 51 | CR | Hurst. |
| $H^2$ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $H^2$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | 55GENEVA/ 2- 81 | Aug55 | CCP | Nikitin. |
| $H^2$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | BAP 8 477 | 63 | LRL | Bartolini. |
| $H^2$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 2 | PL B 24 562 | May67 | LAS | Van Oers. |
| $H^2$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 5 | PR 174 313 | Oct68 | LRL | Bartolini. |
| $H^2$ | Scatt Amplitude | 1.3 2 | 1.3 2 | C | | Scattering * | 1 | PL B 36 208 | Sep71 | MUN | Dilg,W.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $H^2$ | Sigma | 1.4 7 | 1.4 7 | S | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| $H^2$ | Sigma | 6.1 6 | 1.4 7 | | | Scint Tank | 6 | PR 123 218 | Jul61 | LRL | Catron. |
| $H^2$ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | VEDRENNE 66A | Jan66 | FR | Vedrenne,G.+ |
| $H^2$ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | VEDRENNE 66A | Jan66 | FR | Vedrenne,G.+ |
| $H^2$ | Sigma | 4.1 6 | 6.5 6 | | Cf$^{252}$(Nu) | Scint Tank * | 8 | NP A129 327 | May69 | FOA | Holmberg,M. |
| $H^2$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Diff Sig Int | 12 | VEDRENNE 66A | Jan66 | FR | Vedrenne,G.+ |
| $H^2$ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 12 | VEDRENNE 66A | Jan66 | FR | Vedrenne,G.+ |
| $H^2$ | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 15 | HPA 37 220 | May64 | ETH | Metzger,C.+ |
| $H^2$ | (θ,E)-Distrib | 1.5 7 | 1.5 7 | | H(n,n) | TimeOfFlight* | 39 | EANDC/OR- 39 | Apr65 | OSL | Messelt,S. |
| $H^2$ | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Coincidences | 121 | VEDRENNE 66A | Jan66 | FR | Vedrenne,G.+ |
| $H^2$ | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 10 | VEDRENNE 66A | Jan66 | SAC | Vedrenne,G.+ |
| $H^2$ | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 153 | NP A117 419 | Sep68 | ETH | Bruellmann,M.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $H^2$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Diff Sig Int | 1 | NP A120 387 | Nov68 | YOK | Shirato,S.+ |
| $H^2$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 9 | PR 97 757 | Feb55 | LAS | Seagrave,J.D. |
| $H^2$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Diff Sig Int | 2 | CR 253 635 | Jul61 | FR | Bonnel,C.+ |
| $H^2$ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Coincidences | 92 | CR 253 635 | Jul61 | FR | Bonnel,C.+ |
| $H^2$ | Ang Distrib | 1.5 8 | 1.5 8 | | | Coincidences | 9 | PL 21 66 | Apr66 | HRV | Measday,D.P. |
| $H^2$ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | | 11 | NP A120 387 | Nov68 | YOK | Shirato,S.+ |
| $H^2$ | (θ,E)-Distrib | 8.4 6 | 2.2 7 | | H(n,n) | Count Telesc | 258 | NP 81 220 | Jun66 | FRK | Debertin,K.+ |
| $H^2$ | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | H(n,n) | | 45 | NP A120 387 | Nov68 | YOK | Shirato,S.+ |
| | (n,np) REACTION | | | | | | | | | | |
| $H^2$ | (θ,E)-Distrib | 1.5 7 | 1.5 7 | | Absolute | TimeOfFlight | 677 | NP A160 161 | Jan71 | TIT | Arai,E. |
| | (n,d) REACTION | | | | | | | | | | |
| $H^2$ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Count Telesc | 11 | NP A120 387 | Nov68 | YOK | Shirato,S.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $H^2$ | Sigma | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | CJP 25A 134 | 47 | CAN | Sargent. |
| $H^2$ | Sigma | 2.5 -2 | 2.5 -2 | | | Slowing-Down* | 1 | JNE 23 625 | Dec69 | HAR | Silk,M.G.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $H^2$ | Sigma | 2.9 6 | 2.9 6 | | Absolute | Ion Chamber | 1 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| $H^2$ | Sigma | 3.5 5 | 6.0 6 | | | Accelerator | 15 | PR 70 805 | Dec46 | MIN | Nuckolls,R.G.+ |
| $H^2$ | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| $H^2$ | Sigma | 2.6 5 | 3.8 6 | | | Proportion C | 14 | HPA 23 15 | 50 | CAV | Bretscher,E.+ |
| $H^2$ | Sigma | 9.5 7 | 9.5 7 | | Absolute | Fission Det | 1 | PR 77 606 | Mar50 | BRK | Dejuren,J.+ |
| $H^2$ | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| $H^2$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Liquid Scint | 1 | PR 87 11 | Jul52 | BNL | Poss,H.L.+ |
| $H^2$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| $H^2$ | Sigma | 2.6 5 | 3.0 6 | | | Ion Chamber | 9 | PR 89 1165 | Mar53 | WIS | Adair. |
| $H^2$ | Sigma | 1.0 5 | 1.3 6 | | | Proportion C | 4 | PR 90 339 | Apr53 | MIT | Cooper,D.I.+ |
| $H^2$ | Sigma | 1.4 7 | 1.8 7 | | Absolute | Accelerator | 8 | PR 94 651 | May54 | RIC | Cook. |
| $H^2$ | Sigma | 1.0 5 | 2.0 5 | | H(n,n) | Diff Sig Int | 3 | PPS 68 650 | 55 | HAR | Allen,W.D.+ |
| $H^2$ | Sigma | 2.7 5 | 2.2 7 | | Absolute | Accelerator | 29 | PR 98 666 | May55 | LAS | Seagrave,J.D.+ |
| $H^2$ | Sigma | 9.3 7 | 1.1 8 | | | Count Telesc | 4 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| $H^2$ | Sigma | 7.2 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| $H^2$ | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| $H^2$ | Sigma | 2.8 6 | 3.6 6 | | Absolute | Accelerator | 31 | PL 9 339 | May64 | ORL | Willard,H.B.+ |
| $H^2$ | Sigma | 1.8 7 | 1.1 8 | | Absolute | Accelerator | 28 | NP 61 457 | 65 | HAR | Riddle. |
| $H^2$ | Sigma | 8.8 7 | 1.5 8 | | H(n,n) | PlasticScint | 7 | NP 85 142 | Sep66 | HRV | Measday. |
| $H^2$ | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 225 | PR 157 764 | May67 | RNW | Poster. |
| $H^2$ | Sigma | 1.5 10 | 2.7 10 | | | | 2 | PRL 20 468 | Feb68 | USA | Kriesler. |
| $H^2$ | Sigma | 4.0 9 | 5.7 9 | | Absolute | Transmission* | 2 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.P.+ |
| $H^2$ | Sigma | 5.0 5 | 3.0 7 | | Absolute | TimeOfFlight* | 432 | CLEMENT 71P | Jun71 | RPI | Stoler,P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $H^3$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | APSWC/TDR/62- 26 | Mar62 | LOK | Imhof. |
| $H^3$ | Sigma | 2.5 -2 | 1.0 6 | | Au(n,γ) | Activation | 4 | NP 59 81 | Oct64 | LOK | Imhof. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $H^3$ | Sigma | 1.0 6 | 6.0 6 | | H(n,n) | Diff Sig Int | 4 | PR 119 1981 | Sep60 | LAS | Seagrave,J.D.+ |
| $H^3$ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 8 | PR 81 33 | Jan51 | LAS | Coon. |
| $H^3$ | Ang Distrib | 1.0 6 | 6.0 6 | | H(n,n) | TimeOfFlight | 96 | PR 119 1981 | Sep60 | LAS | Seagrave,J.D.+ |
| $H^3$ | Ang Distrib | 1.5 7 | 1.5 7 | | Absolute | Coincidences | 28 | CEA/R-2002 | Feb61 | SAC | Cambou,F. |
| $H^3$ | Ang Distrib | 1.4 7 | 1.8 7 | | H(n,n) | Count Telesc | 17 | 67BRELA- | Jul67 | FRK | Debertin,K.+ |
| $H^3$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 22 | 67BRELA- 867 | Jul67 | RBZ | Basar. |
| $H^3$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 7 | NP A113 65 | May68 | BRN | Kootsey. |
| $H^3$ | Legendre Fit | 1.0 6 | 6.0 6 | | H(n,n) | TimeOfFlight | 15 | PR 119 1981 | Sep60 | LAS | Seagrave,J.D.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $H^3$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | BAP 11 741 | Aug66 | LRL | Donaldson. |
| | (n,2n) REACTION | | | | | | | | | | |
| $H^3$ | Sigma | 1.4 7 | 1.4 7 | P | | Liquid Scint | 1 | EANDC/UK- 84 14 | Jun67 | ALD | Mather,D.S.+ |
| $H^3$ | Ang Distrib | 1.4 7 | 1.4 7 | | Another Reac | CrystalScint | 1 | YF 1 1009 | Jun65 | CCP | Velyukov. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,3n) REACTION | | | | | | | | | | |
| $H^3$ | Sigma | 1.4 7 | 1.4 7 | C | Absolute | | 1 | UCRL-14360 18 | May65 | LRL | Anderson. |
| $H^3$ | Sigma | 1.4 7 | 1.4 7 | P | | Liquid Scint | 1 | EANDC/UK- 84 14 | Jun67 | ALD | Mather,D.S.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $H^3$ | Ang Distrib | 1.4 7 | 2.2 7 | | H(n,n) | Count Telesc | 3 | 67BREL A- | Jul67 | FRK | Debertin,K.+ |
| $H^3$ | Ang Distrib | 1.5 7 | 1.5 7 | | | * | 2 | EANDC/E- 89 92 | Feb68 | BOL | Fuschini,E. |
| | (n,t) REACTION | | | | | | | | | | |
| $H^3$ | Ang Distrib | 1.5 7 | 1.5 7 | | | | 2 | EANDC/E- 89 92 | Feb68 | BOL | Fuschini,E. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $H^3$ | Sigma | 2.5 6 | 1.4 7 | | Absolute | Accelerator | 2 | AE 1 71 5 | 56 | LEB | Katsaurov. |
| $H^3$ | Sigma | 2.9 5 | 9.9 8 | | Absolute | Accelerator | 23 | NP 12 291 | Jul59 | LAS | Coon,J.H.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| H2O | Ang Distrib | 6.3 -3 | 2.2 0 | | | | 1044 | NSE 31 254 | Feb68 | GA | Beyster,J.R. |
| | MISC SCATT QUANT | | | | | | | | | | |
| H2O | σ(Free Atom) | 2.5 1 | 2.5 1 | | | TimeOfFlight | 1 | GA-7581 | Dec66 | GA | Russell. |
| H2O | Scatt Amplitude | 1.3 -3 | 1.3 -3 | | Absolute | Mirror Refl | 1 | ZAP 14 738 | Dec62 | MUN | Maier-Leibnitz,H. |
| | REMOVAL CROSS SECT | | | | | | | | | | |
| H2O | Sigma | 4.0 6 | 1.5 7 | | Absolute | Fission Det | 2 | SJA 6 431 | Dec60 | CCP | Broder,D.L.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| H2O | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 5 | HPA 20 105 | Apr47 | ETH | Rossel,J. |
| H2O | Sigma | 3.3 -3 | 5.3 0 | | Absolute | TimeOfFlight | 40 | PR 76 1750 | Dec49 | COL | Melkonian,E. |
| H2O | Sigma | 6.4 -4 | 9.0 -3 | | Absolute | TimeOfFlight | 29 | SMITH 53 | 53 | BNL | Smith. |
| H2O | Sigma | 1.3 -3 | 1.8 1 | | Absolute | TimeOfFlight | 111 | WALTON 60 | 60 | GA | Walton. |
| H2O | Sigma | 1.2 -2 | 5.3 -1 | | Absolute | Crystal Spec | 29 | NUK 3 110 | 61 | MUN | Springer. |
| H2O | Sigma | 1.2 -4 | 3.6 -2 | | Absolute | TimeOfFlight | 15 | ZP 163 218 | May61 | HAM | Heinloth,K. |
| H2O | Sigma | 4.2 -1 | 1.7 3 | | Absolute | TimeOfFlight | 68 | NIM 30 293 | 64 | MTR | Simpson. |
| H2O | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| H2O | Sigma | 3.5 -3 | 1.6 1 | | | TimeOfFlight | 134 | GA-7581 | Dec66 | GA | Russell. |
| H2O | Sigma | 1.0 -2 | 1.5 1 | | Absolute | TimeOfFlight* | 486 | EANDC/OR- 63 | Aug67 | ATH | Dritsa,M.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $H_2{}^{16}O$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Transmission | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| CH2 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Transmission | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $D_2{}^{16}O$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Transmission | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| D2O | Scatt Amplitude | 1.3 -3 | 1.3 -3 | | Absolute | Mirror Refl | 1 | ZAP 14 738 | Dec62 | MUN | Maier-Leibnitz,H. |
| D2O | Scatt Amplitude | 1.3 2 | 1.3 2 | | | Mirror Refl * | 1 | PL B 36 208 | Sep71 | MUN | Dilg,W.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| D2O | Sigma | 2.5 -2 | 2.5 -2 | | | Slowing-Down* | 1 | JNE 23 625 | Dec69 | HAR | Silk,M.G.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| D2O | Sigma | 4.9 -3 | 8.0 0 | | | TimeOfFlight | 46 | PR 73 733 | Apr48 | COL | Rainwater,L.J.+ |
| D2O | Sigma | 3.5 -4 | 4.6 -3 | | Absolute | TimeOfFlight | 36 | MEYERS 53E | May53 | BNL | Meyers. |
| D2O | Sigma | 5.5 0 | 2.0 3 | | Absolute | TimeOfFlight | 96 | PLUHARTY 59A | Jan59 | MTR | Pluharty. |
| D2O | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| D2O | Sigma | 1.0 -2 | 9.4 0 | | Absolute | TimeOfFlight* | 984 | DRITSA 71F | Jun71 | ATH | Dritsa,S.+ |
| D2O | Sigma | 1.3 2 | 1.3 2 | | Absolute | Transmission* | 1 | PL B 36 208 | Sep71 | MUN | Dilg,W.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $D_2{}^{18}O$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Transmission | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| EthAl | Scatt Amplitude | 1.3 -3 | 1.3 -3 | | Absolute | Mirror Refl | 1 | ZAP 14 738 | Dec62 | MUN | Maier-Leibnitz,H. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Benz | Scatt Amplitude | 1.3 -3 | 1.3 -3 | | Absolute | Mirror Refl | 1 | ZAP 14 738 | Dec62 | MUN | Maier-Leibnitz,H. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Benz | Sigma | 1.8 -4 | 3.6 -2 | | Absolute | TimeOfFlight | 8 | ZP 163 218 | May61 | HAM | Heinloth,K. |
| Benz | Sigma | 1.8 -3 | 1.8 -3 | | | | 10 | EANDC/E- 66 52 | Feb66 | KIL | Schmidt,U.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| CyclH | Sigma | 1.8 -3 | 1.8 -3 | | | | 11 | EANDC/E- 66 52 | Feb66 | KIL | Schmidt,U.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| DiPh | Sigma | 1.8 -3 | 1.8 -3 | | | | 12 | EANDC/E- 66 52 | Feb66 | KIL | Schmidt,U.+ |
| DiPh | Sigma | 2.1 -2 | 3.9 -1 | | | Crystal Spec | 38 | EANDC/E- 66 52 | Feb66 | KIL | Schmidt,U.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| PolSt | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission* | 9 | AKS 12 159 | Mar67 | ATI | Lasinger,F.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PolEt | TOTAL CROSS-SECT Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission* | 9 | AKE 12 159 | Mar67 | ATI | Lasinger,P.+ |
| TerPh | TOTAL CROSS-SECT Sigma | 1.8 -3 | 1.8 -3 | | | | 14 | EANDC/E- 66 52 | Feb66 | KIL | Schmidt,U.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| He | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | * | 1 | NP A133 410 | Aug69 | BNL | Rorer. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| He | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| He | Sigma | 2.0 5 | 7.0 6 | | | TimeOfFlight | 22 | PR 168 1114 | Apr68 | DKE | Morgan,G.L.+ |
| He | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | * | 1 | NP A133 410 | Aug69 | BNL | Rorer. |
| He | Ang Distrib | 2.5 6 | 4.3 6 | | | Ion Chamber | 5 | PR 55 131 | Jan39 | CAL | Staub. |
| He | Ang Distrib | 5.0 5 | 2.4 6 | | Ratio | Ion Chamber | 5 | PR 55 131 | Jan39 | CAL | Staub. |
| He | Ang Distrib | 4.0 5 | 2.7 6 | | | RecoilChambr | 183 | PR 86 155 | Apr52 | WIS | Adair,R.K. |
| He | Ang Distrib | 2.6 6 | 1.4 7 | | σ(Total) | RecoilChambr | 241 | PR 92 1222 | Dec53 | LAS | Seagrave,J.D. |
| He | Ang Distrib | 1.4 7 | 1.4 7 | | | CloudChamber | 7 | PPS 68 43 | 55 | OXF | Shaw,D.F. |
| He | Ang Distrib | 6.0 7 | 1.4 8 | | | CloudChamber | 24 | NP 19 500 | Nov60 | HAR | Arnold,M.+ |
| He | Ang Distrib | 2.0 6 | 2.1 7 | | σ(Total) | Gas Scint | 219 | PR 126 1532 | May62 | WIS | Austin. |
| He | Ang Distrib | 1.8 6 | 1.8 6 | | σ(Total) | TimeOfFlight | 22 | AUJ 16 185 | 63 | TRX | Young. |
| He | Ang Distrib | 1.5 7 | 1.5 7 | | σ(Total) | Ion Chamber | 30 | PL 5 205 | Jul63 | ITY | Malaroda,R.+ |
| He | Ang Distrib | 1.4 7 | 1.4 7 | | | CloudChamber | 18 | NC 30 1169 | Dec63 | PAD | Pasoli. |
| He | Ang Distrib | 1.6 7 | 2.4 7 | | σ(Tot-React) | Gas Scint | 368 | PR 135B 99 | Jul64 | CRR | Shamu. |
| He | Ang Distrib | 8.0 6 | 3.1 7 | | | RecoilChambr | 416 | NP 83 65 | Jul66 | WIS | Hoop. |
| He | Cosine Fit | 2.0 5 | 7.0 6 | | | TimeOfFlight | 66 | PR 168 1114 | Apr68 | DKE | Morgan,G.L.+ |
| He | Polarizat n-out | 2.5 7 | 3.4 7 | | | TimeOfFlight | 16 | YF 2 239 | Aug65 | CCP | Arifkhanov,U.R.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| He | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Ring Geomtry | 2 | ANL-4680 6 | Sep51 | ANL | Harris. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| He | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| He | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 54 541 | Oct38 | COL | Carroll. |
| He | Sigma | 2.5 -2 | 2.5 -2 | S | | | 1 | PR 54 541 | Oct38 | COL | Carroll. |
| He | Sigma | 3.0 4 | 4.9 6 | S | Absolute | Accelerator | 36 | PR 82 378 | May51 | WIS | Bashkin. |
| He | Sigma | 1.8 7 | 2.0 7 | | Absolute | Biased Scint | 3 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| He | Sigma | 2.5 6 | 3.0 6 | | | | 2 | PR 92 1222 | Dec53 | LAS | Seagrave,J.D. |
| He | Sigma | 2.8 2 | 9.1 3 | | Absolute | TimeOfFlight | 73 | PR 97 855 | Feb55 | LAS | Sommers,S.H.+ |
| He | Sigma | 1.2 5 | 2.0 7 | | Absolute | Accelerator | 139 | PR 118 683 | May60 | LOK | Imhof,W.L.+ |
| He | Sigma | 7.0 6 | 1.2 7 | | Absolute | Accelerator | 4 | PR 126 1532 | May62 | WIS | Austin. |
| He | Sigma | 2.0 -3 | 2.5 -2 | | Absolute | Crystal Spec | 24 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| He | Sigma | 7.7 7 | 1.5 8 | | | PlasticScint | 5 | NP 85 129 | Sep66 | HRV | Measday,D.F.+ |
| He | Sigma | 1.9 -1 | 6.2 0 | | Absolute | Transmission* | 11 | NP A133 410 | Aug69 | BNL | Rorer. |
| He | Sigma | 5.7 9 | 5.7 9 | | Absolute | Transmission* | 1 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.F.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| He³ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | BAP 5 19 | 60 | BNL | Gallmann. |
| He³ | Sigma | 4.0 6 | 4.0 6 | | Absolute | 4Pi*σ(90°) | 1 | PR 132 751 | Oct63 | PEN | Zurmuhle. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| He³ | Sigma | 1.0 6 | 6.0 6 | | H(n,n) | Diff Sig Int | 4 | PR 119 1981 | Sep60 | LAS | Seagrave,J.D.+ |
| He³ | Sigma | 9.5 5 | 1.8 7 | | σ(Total) | RecoilChambr | 5 | PR 122 1853 | Jun61 | COL | Sayres. |
| He³ | Ang Distrib | 1.0 6 | 6.0 6 | | H(n,n) | TimeOfFlight | 96 | PR 119 1981 | Sep60 | LAS | Seagrave,J.D.+ |
| He³ | Ang Distrib | 2.7 6 | 1.8 7 | | | RecoilChambr | 85 | PR 122 1853 | Jun61 | COL | Sayres. |
| He³ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 8 | PR 159 777 | Jul66 | RBZ | Antolkovic,B.+ |
| He³ | Ang Distrib | 1.4 7 | 1.4 7 | | | * | 1 | PL 23 477 | Nov66 | RBZ | Antolkovic,B.+ |
| He³ | Legendre Fit | 1.0 6 | 6.0 6 | | H(n,n) | TimeOfFlight | 14 | PR 119 1981 | Sep60 | LAS | Seagrave,J.D.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| He³ | Ang Distrib | 4.0 6 | 4.0 6 | | Absolute | CrystalScint | 1 | PR 132 751 | Oct63 | PEN | Zurmuhle. |
| | (n,2n) REACTION | | | | | | | | | | |
| He³ | Ang Distrib | 1.4 7 | 1.4 7 | | | * | 1 | PL 23 477 | Nov66 | RBZ | Antolkovic,B.+ |
| | (n,p) REACTION | | | | | | | | | | |
| He³ | Sigma | 3.9 5 | 3.0 6 | | | Proportion C | 19 | PR 80 488 | Nov50 | LAS | Coon,J.H. |
| He³ | Sigma | 1.2 5 | 1.2 6 | | | Proportion C | 10 | RSI 26 1037 | Nov55 | HAR | Batchelor,R.+ |
| He³ | Sigma | 5.8 6 | 1.1 7 | C | | | 3 | ZET 36 633 | Feb59 | CCP | Bogdanov. |
| He³ | Sigma | 8.6 3 | 4.2 6 | | | Accelerator | 50 | PR 114 571 | Apr59 | ORL | Gibbons. |
| He³ | Sigma | 4.8 5 | 4.5 6 | C | | | 19 | 60LONDON-583 | 60 | LAS | Perry. |
| He³ | Sigma | 9.5 5 | 8.1 6 | | σ(Total) | RecoilChambr | 4 | PR 122 1853 | Jun61 | COL | Sayres. |
| He³ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 159 777 | Jul66 | RBZ | Antolkovic,B.+ |
| He³ | Sigma | 4.0 5 | 1.2 6 | | Another Reac | TimeOfFlight* | 5 | NSE 39 409 | Mar70 | GA | Costello,D.G.+ |
| He³ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 19 | PR 159 777 | Jul66 | RBZ | Antolkovic,B.+ |
| He³ | Ang Distrib | 1.4 7 | 1.4 7 | | | * | 1 | PL 23 477 | Nov66 | RBZ | Antolkovic,B.+ |
| | (n,np) REACTION | | | | | | | | | | |
| He³ | Ang Distrib | 1.4 7 | 1.4 7 | | | * | 3 | PL 23 477 | Nov66 | RBZ | Antolkovic,B.+ |
| | (n,d) REACTION | | | | | | | | | | |
| He³ | Sigma | 4.4 6 | 1.4 7 | C | | | 8 | PR 107 820 | Aug57 | LAS | Brolley. |
| He³ | Sigma | 5.0 6 | 8.1 6 | | σ(Total) | RecoilChambr | 2 | PR 122 1853 | Jun61 | COL | Sayres. |
| He³ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 159 777 | Jul66 | RBZ | Antolkovic,B.+ |
| He³ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 12 | PR 159 777 | Jul66 | RBZ | Antolkovic,B.+ |
| He³ | Ang Distrib | 1.4 7 | 1.4 7 | | | * | 1 | PL 23 477 | Nov66 | RBZ | Antolkovic,B.+ |
| | CHARGED PART EMISS | | | | | | | | | | |
| He³ | Legendre Fit | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 14 | PR 159 777 | Jul66 | ZAG | Antolkovic,B.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| He³ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | | 1 | PR 75 1359 | May49 | LAS | Coon. |
| He³ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | | 1 | PR 75 1358 | May49 | LAS | Coon. |
| He³ | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | Total * | 1 | PR 133B 925 | Feb64 | RIS | Als-Nielsen,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| He³ | Sigma | 1.4 -3 | 3.2 7 | | Absolute | | 8 | PR 75 1366 | May49 | LAS | King. |
| He³ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | | 1 | PR 75 1366 | May49 | LAS | King. |
| He³ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | | 1 | PR 75 1366 | May49 | LAS | King. |
| He³ | Sigma | 1.4 5 | 2.1 7 | | Absolute | Accelerator | 40 | NP 12 291 | Jul59 | LAS | Coon,J.H.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | | | | | |
| $He^3$ | Sigma | 3.0 | -4 | 1.1 | 1 | | Absolute | Crystal Spec* | 22 | PR | 133B | 925 | Feb64 | RIS | Als-Nielsen,J.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | | | |
| $He^4$ | Sigma | 6.0 | 7 | 1.4 | 8 | | Absolute | CloudChamber | 3 | NP | 19 | 500 | Nov60 | OXF | Arnold,M.+ |
| $He^4$ | Ang Distrib | 1.8 | 6 | 1.8 | 6 | | σ(Total) | TimeOfFlight | 21 | AUJ | 16 | 185 | 63 | TEX | Young. |
| $He^4$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | σ(Total) | Ion Chamber | 30 | PL | 5 | 205 | Jul63 | ITY | Malaroda,R.+ |
| $He^4$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | CloudChamber | 18 | NC | 30 | 1169 | Dec63 | PAD | Fasoli. |
| $He^4$ | Ang Distrib | 1.6 | 7 | 2.4 | 7 | | σ(Tot-React) | Gas Scint | 368 | PR | 135B | 99 | Jul64 | CBR | Shamu. |
| $He^4$ | Ang Distrib | 8.0 | 6 | 3.1 | 7 | | | RecoilChambr | 416 | NP | 83 | 65 | Jul66 | WIS | Hoop. |
| $He^4$ | Legendre Fit | 1.6 | 7 | 2.4 | 7 | | | Gas Scint | 92 | PR | 135B | 99 | Jul64 | CBR | Shamu. |
| $He^4$ | Cosine Fit | 2.4 | 6 | 2.9 | 6 | | σ(Tot-React) | Proportion C | 6 | PR | 125 | 318 | Jan62 | TRI | Demanins. |
| | (n,d) REACTION | | | | | | | | | | | | | | |
| $He^4$ | Sigma | 2.2 | 7 | 2.2 | 7 | | σ(E≠E(th)) | Gas Scint | 11 | PR | 135B | 99 | Jul64 | CBR | Shamu. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | |
| $He^4$ | Sigma | 1.8 | 7 | 1.8 | 7 | | Absolute | Biased Scint | 1 | PR | 92 | 358 | Oct53 | LAS | Day,R.B.+ |
| $He^4$ | Sigma | 4.8 | 7 | 8.8 | 7 | | Absolute | Liquid Scint | 2 | PR | 96 | 115 | Oct54 | HRV | Hillman. |
| $He^4$ | Sigma | 9.4 | 5 | 2.0 | 7 | | | Accelerator | 20 | NP | 12 | 291 | Jul59 | LAS | Coon,J.H.+ |
| $He^4$ | Sigma | 2.0 | 7 | 2.9 | 7 | | Absolute | Accelerator | 52 | PR | 135B | 99 | Jul64 | CBR | Shamu. |
| $He^4$ | Sigma | 1.4 | 8 | 1.5 | 8 | C | | | 3 | NP | 59 | 253 | Oct64 | HRV | Palmieri. |
| $He^4$ | Sigma | 9.4 | 5 | 2.0 | 6 | | | | 3 | COON | | 66E | May66 | LAS | Coon,J.H. |
| $He^4$ | Sigma | 4.9 | 6 | 1.5 | 7 | | | | 10 | HENKEL | | 66E | May66 | LAS | Henkel,R.L.+ |
| | TOTAL WIDTH | | | | | | | | | | | | | | |
| $He^4$ | Γ | 2.2 | 7 | 2.2 | 7 | | | | 1 | PR | 115 | 398 | Jul59 | RIC | Bonner. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| $He^4$ | σ(0) | 1.1 | 6 | 1.1 | 6 | | | | 1 | PR | 82 | 378 | May51 | WIS | Bashkin. |
| $He^4$ | Spin of Reson | 1.1 | 6 | 1.1 | 6 | | | | 1 | PR | 86 | 155 | Apr52 | WIS | Adair,R.K. |
| $He^4$ | Spin of Reson | 2.2 | 7 | 2.2 | 7 | | | | 1 | PR | 115 | 398 | Jul59 | RIC | Bonner. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Li | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| | γ,EMISSION | | | | | | | | | | |
| Li | Ang Distrib | 1.5 7 | 1.5 7 | | Carbon | TimeOfFlight | 1 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| Li | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 1 | AN.PROG.REP.63I1 | Sep63 | TNC | |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Li | Sigma | 1.4 6 | 1.4 6 | | Carbon | Diff Sig Int | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Li | Sigma | 4.2 6 | 4.2 6 | | H(n,n) | Diff Sig Int | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Li | Ang Distrib | 2.6 5 | 2.6 5 | | | Proportion C | 8 | PR 94 786 | May54 | ORL | Willard,H.B.+ |
| Li | Ang Distrib | 1.4 8 | 1.4 8 | | | Liquid Scint | 5 | PM 1 1003 56 | | OXF | Van Zyl. |
| Li | Ang Distrib | 1.4 6 | 1.4 6 | | Carbon | Biased Scint | 8 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Li | Ang Distrib | 4.2 6 | 4.2 6 | | H(n,n) | Biased Scint | 9 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Li | Ang Distrib | 9.6 7 | 9.6 7 | | | Biased Scint | 6 | NP 21 15 | Nov60 | OXF | Salmon,G.L. |
| Li | Ang Distrib | 3.1 5 | 7.7 5 | | Absolute | CrystalScint | 166 | PR 131 1644 | Aug63 | STF | Wells. |
| Li | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | PEI | Kazakova,L.Ya.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| Li | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 13 | NP 33 680 | Jun62 | LRL | Wong. |
| | INEL SCATTERING | | | | | | | | | | |
| Li | Sigma | 8.0 5 | 1.2 6 | | | He³ Spec | 3 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Li | Ang Distrib | 1.0 6 | 1.0 6 | | | Ring Geomtry | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Li | Ang Distrib | 1.4 5 | 1.4 5 | | Carbon | ModeratrTank | 1 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Li | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Li | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Li | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | PR 70 154 | Aug46 | COL | Havens. |
| Li | Sigma | 2.5 -2 | 2.5 -2 | | Boron | | 1 | CJP 25A 73 | Mar47 | CAN | Penning. |
| Li | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Activation | 1 | CR 232 2089 | May51 | FAR | Grimeland,B.+ |
| Li | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Li | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | CEA- 137 | Mar52 | SAC | Ailloud,J.+ |
| Li | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 2 | JPR 13 171 | Mar52 | PAR | Ailloud. |
| Li | Sigma | 2.5 -2 | 2.5 -2 | | Boron | | 2 | PR 87 785 | Sep52 | ANL | Kaplan,L.+ |
| Li | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 87 785 | Sep52 | ANL | Kaplan,L.+ |
| Li | Sigma | 2.5 -2 | 2.5 -2 | S | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| Li | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | NKA 8 443 63 | | POL | |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Li | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| Li | Sigma | 1.8 4 | 1.4 6 | | Absolute | Accelerator | 87 | PR 79 1018 | Sep50 | WIS | Adair,R.K. |
| Li | Sigma | 1.3 6 | 3.4 6 | | Absolute | Accelerator | 99 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| Li | Sigma | 1.5 5 | 3.8 5 | | Absolute | Accelerator | 40 | PR 84 162 | Oct51 | MIT | Stelson,P.H.+ |
| Li | Sigma | 2.4 6 | 7.8 6 | S | Absolute | Accelerator | 26 | BONNER 54 54 | | RIC | Bonner. |
| Li | Sigma | 1.4 7 | 1.8 7 | | Absolute | Accelerator | 8 | PR 94 651 | May54 | RIC | Cook. |
| Li | Sigma | 2.8 6 | 9.7 6 | | Absolute | Accelerator | 26 | LA-1655 | Jul54 | LAS | Nereson. |
| Li | Sigma | 4.3 6 | 4.3 6 | | | Accelerator | 1 | PR 102 1384 | Jun56 | WIS | Becker. |
| Li | Sigma | 4.3 6 | 8.7 6 | | Absolute | Accelerator | 75 | PR 102 1384 | Jun56 | WIS | Becker. |
| Li | Sigma | 1.5 7 | 1.5 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| Li | Sigma | 1.2 4 | 1.5 5 | | Absolute | Accelerator | 24 | BAP 4 42 | Jan59 | DKE | Miller. |
| Li | Sigma | 3.3 6 | 4.5 6 | | Absolute | Accelerator | 4 | SPN- 219 61 | | CCP | Lebedeva,N.S.+ |
| Li | Sigma | 1.0 5 | 7.0 5 | | | Accelerator | 672 | BILPUCH 62K | Nov62 | DKE | Bilpuch. |
| Li | Sigma | 1.0 3 | 3.9 5 | | Absolute | Accelerator | 423 | PR 1338 353 | Jan64 | ANL | Hibdon,C.T. |
| Li | Sigma | 4.2 6 | 6.1 6 | | Absolute | PlasticScint | 40 | EANDC/E- 66 48 | Feb66 | HAM | Bormann,M.+ |
| Li | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| Li | Sigma | 1.0 4 | 1.2 6 | | Absolute | Accelerator | 700 | 68WASH- 159 | Mar68 | ANL | Hibdon. |
| | (n,γ) REACTION | | | | | | | | | | |
| Li⁶ | Sigma | 2.5 -2 | 2.5 -2 | | Na²³ | | 1 | CJP 35 1347 | Dec57 | CR | Bartholomew. |
| Li⁶ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | HPA 34 483 | Aug61 | ETH | Jarczyk. |
| Li⁶ | Spectrum | 2.5 -2 | 2.5 -2 | | | | 4 | HPA 34 483 | Aug61 | ETH | Jarczyk. |
| Li⁶ | Spectrum | 2.5 -2 | 2.5 -2 | | Ratio | Ge(Li)Detect | 2 | NIM 56 325 | Nov67 | ANL | Thomas,G.E.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Li⁶ | Sigma | 3.3 6 | 7.5 6 | S | | TimeOfFlight | 6 | PL 2 312 62 | | ALD | Batchelor. |
| Li⁶ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | NP 33 680 | Jun62 | LRL | Wong. |
| Li⁶ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | BAP 8 320 | Apr63 | LAS | Armstrong. |
| Li⁶ | Sigma | 3.3 6 | 7.5 6 | | At one Angle | Diff Sig Int | 6 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| Li⁶ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 2 | NP 52 505 | Mar64 | LAS | Armstrong,A.H.+ |
| Li⁶ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | CR 260 3922 | Apr65 | GRE | Merchez,F.+ |
| Li⁶ | Sigma | 4.8 6 | 4.8 6 | S | H(n,n) | TimeOfFlight | 1 | 66WASH- 634 | Mar66 | LAS | Hopkins. |
| Li⁶ | Sigma | 1.0 7 | 1.0 7 | | | Diff Sig Int | 1 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| Li⁶ | Sigma | 1.0 6 | 2.3 6 | | H(n,n) | Diff Sig Int* | 14 | EUR-3454 | Apr67 | GEL | Knitter,H.H.+ |
| Li⁶ | Sigma | 4.8 6 | 7.5 6 | | H(n,n) | Diff Sig Int | 3 | NP A107 139 | Jan68 | LAS | Hopkins. |
| Li⁶ | Ang Distrib | 2.1 5 | 3.0 5 | | | Proportion C | 24 | PR 101 765 | Jan56 | ORL | Willard,H.B.+ |
| Li⁶ | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 15 | NP 33 680 | Jun62 | LRL | Wong. |
| Li⁶ | Ang Distrib | 3.3 6 | 7.5 6 | | At one Angle | TimeOfFlight | 146 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| Li⁶ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 17 | NP 52 505 | Mar64 | LAS | Armstrong,A.H.+ |
| Li⁶ | Ang Distrib | 1.4 7 | 1.4 7 | | | TimeOfFlight | 16 | CR 260 3922 | Apr65 | GRE | Merchez,F.+ |
| Li⁶ | Ang Distrib | 4.8 6 | 4.8 6 | S | H(n,n) | TimeOfFlight | 6 | 66WASH- 634 | Mar66 | LAS | Hopkins. |
| Li⁶ | Ang Distrib | 1.0 7 | 1.0 7 | | | TimeOfFlight | 7 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| Li⁶ | Ang Distrib | 1.0 6 | 2.3 6 | C | H(n,n) | TimeOfFlight* | 266 | EUR-3454 | Apr67 | GEL | Knitter,H.H.+ |
| Li⁶ | Ang Distrib | 4.8 6 | 7.5 6 | | H(n,n) | TimeOfFlight | 20 | NP A107 139 | Jan68 | LAS | Hopkins. |
| Li⁶ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 16 | EANDC/J- 10 22 | Nov68 | KYU | Hyakutake,M.+ |
| Li⁶ | Legendre Fit | 1.0 6 | 2.3 6 | | H(n,n) | TimeOfFlight* | 112 | EUR-3454 | Apr67 | GEL | Knitter,H.H.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INEL SCATTERING | | | | | | | | | | | | |
| $Li^6$ | Sigma | 3.3 | 6 | 7.5 | 6 | | At one Angle | Diff Sig Int | 6 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| $Li^6$ | Sigma | 3.3 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 12 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | CR 260 3922 | Apr65 | GRE | Merchez,F.+ |
| $Li^6$ | Sigma | 4.8 | 6 | 4.8 | 6 | S | H(n,n) | TimeOfFlight | 2 | 66WASH- 634 | Mar66 | LAS | Hopkins. |
| $Li^6$ | Sigma | 1.0 | 7 | 1.0 | 7 | | | Diff Sig Int | 1 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| $Li^6$ | Sigma | 4.8 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 6 | NP A107 139 | Jan68 | LAS | Hopkins. |
| $Li^6$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 8 | NP 33 680 | Jun62 | LRL | Wong. |
| $Li^6$ | Ang Distrib | 3.3 | 6 | 7.5 | 6 | | At one Angle | TimeOfFlight | 76 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| $Li^6$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 12 | CR 260 3922 | Apr65 | GRE | Merchez,F.+ |
| $Li^6$ | Ang Distrib | 4.8 | 6 | 4.8 | 6 | S | H(n,n) | TimeOfFlight | 12 | 66WASH- 634 | Mar66 | LAS | Hopkins. |
| $Li^6$ | Ang Distrib | 1.0 | 7 | 1.0 | 7 | | | TimeOfFlight | 14 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| $Li^6$ | Ang Distrib | 4.8 | 6 | 7.5 | 6 | | H(n,n) | TimeOfFlight | 60 | NP A107 139 | Jan68 | LAS | Hopkins. |
| $Li^6$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 15 | EANDC/J- 10 22 | Nov68 | KYU | Hyakutake,M.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| $Li^6$ | Sigma | 5.0 | 4 | 2.3 | 6 | | Carbon | Diff Sig Int | 34 | AP 12 135 | Feb61 | ANL | Lane. |
| $Li^6$ | Ang Distrib | 5.0 | 4 | 2.3 | 6 | | Carbon | ModeratrTank | 273 | AP 12 135 | Feb61 | ANL | Lane. |
| $Li^6$ | Ang Distrib | 2.0 | 5 | 2.0 | 6 | | Carbon | ModeratrTank | 147 | PR 136B1710 | Dec64 | ANL | Lane. |
| $Li^6$ | Legendre Fit | 5.0 | 4 | 2.3 | 6 | | Carbon | ModeratrTank | 170 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| $Li^6$ | $\sigma$(Potential) | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 101 765 | Jan56 | ORL | Willard,H.B.+ |
| $Li^6$ | $\sigma$(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Li^6$ | $\sigma$(Coherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | JPJ 17 335 | 62 | ORL | Peterson. |
| $Li^6$ | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Li^6$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | | 1 | JPJ 17 335 | 62 | ORL | Peterson. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | SPN- 185 | 61 | CCP | Mikhailina. |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | ACO/UK- 1337 | Dec61 | ALD | Mctaggart. |
| $Li^6$ | Sigma | 1.0 | 7 | 1.4 | 7 | | $Cf^{252}$(Nu) | Scint Tank | 2 | PR 129 1771 | Feb63 | LRL | Ashby. |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | BAP 8 320 | Apr63 | LAS | Armstrong. |
| | n-EMISSION | | | | | | | | | | | | |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | BAP 8 320 | Apr63 | LAS | Armstrong. |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | NP 52 505 | Mar64 | LAS | Armstrong,A.H.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 89 80 | Jan53 | LAS | Battat,M.E.+ |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | PR 93 1086 | Mar54 | LAS | Frye. |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | SPN- 185 | 61 | CCP | Mikhailina. |
| $Li^6$ | Sigma | 3.5 | 6 | 1.5 | 7 | | | Activation | 7 | JNE 17 273 | 63 | ALD | Barry. |
| $Li^6$ | Sigma | 3.6 | 6 | 9.0 | 6 | | | Activation | 34 | EANDC/E- 57 1 | Feb65 | PRK | Bass,R.+ |
| $Li^6$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 18 | PR 93 1086 | Mar54 | LAS | Frye. |
| | (n,d) REACTION | | | | | | | | | | | | |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 2 | PR 93 1086 | Mar54 | LAS | Frye. |
| $Li^6$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | JNE 17 273 | 63 | ALD | Barry. |
| $Li^6$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion* | 38 | PR 93 1086 | Mar54 | LAS | Frye. |
| $Li^6$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 8 | PR 139B 331 | Jul65 | RBZ | Valkovic,V.+ |
| | (n,nd) REACTION | | | | | | | | | | | | |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | SPN- 185 | 61 | CCP | Mikhailina. |
| $Li^6$ | Sigma | 4.4 | 6 | 1.4 | 7 | | | Nuc Emulsion | 12 | PR 126 1150 | May62 | LAS | Rosen,L.+ |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | | Nuc Emulsion | 1 | PR 126 1150 | May62 | LAS | Rosen,L.+ |
| $Li^6$ | Sigma | 3.3 | 6 | 7.5 | 6 | | H(n,n) | TimeOfFlight | 6 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| $Li^6$ | Sigma | 4.8 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 3 | NP A107 139 | Jan68 | LAS | Hopkins. |
| | (n,t) REACTION | | | | | | | | | | | | |
| $Li^6$ | Sigma | 1.4 | 5 | 6.2 | 5 | | $U^{235}$(n,f) | * | 13 | ANL-4515 7 | Sep50 | ANL | Blair. |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | PR 93 1086 | Mar54 | LAS | Frye. |
| $Li^6$ | Sigma | 1.5 | 6 | 2.0 | 6 | | $\sigma$(E#E(th)) | Diff Sig Int | 2 | PR 95 117 | Jul54 | NWU | Weddell. |
| $Li^6$ | Sigma | 1.5 | 6 | 2.0 | 6 | | | Nuc Emulsion | 2 | PR 95 117 | Jul54 | ORL | Weddell. |
| $Li^6$ | Sigma | 9.1 | 3 | 7.3 | 5 | | | Accelerator * | 24 | DOK 111 791 | 56 | CCP | Gorlov. |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Long Counter* | 1 | PR 103 741 | Aug56 | LAS | Ribe. |
| $Li^6$ | Sigma | 8.8 | 5 | 6.5 | 6 | | | Proportion C* | 10 | PR 103 741 | Aug56 | LAS | Ribe. |
| $Li^6$ | Sigma | 1.3 | 7 | 1.8 | 7 | | | CrystalScint* | 35 | PR 112 926 | Nov58 | NRD | Kern,B.D.+ |
| $Li^6$ | Sigma | 1.4 | 7 | 1.6 | 7 | | | CrystalScint | 6 | USNRDL/TR- 280 | Nov58 | NRD | Kreger,W.E.+ |
| $Li^6$ | Sigma | 2.7 | 5 | 2.7 | 5 | | | Nuc Emulsion* | 1 | BAP 4 218 | 59 | NWU | Pardo,R.B.+ |
| $Li^6$ | Sigma | 2.5 | 4 | 4.1 | 6 | | | CrystalScint* | 123 | PR 114 201 | Apr59 | RIC | Gabbard,F.+ |
| $Li^6$ | Sigma | 2.5 | 5 | 6.0 | 5 | | Absolute | CrystalScint* | 4 | PR 114 201 | Apr59 | RIC | Gabbard,F.+ |
| $Li^6$ | Sigma | 9.0 | 3 | 3.4 | 5 | | $U^{235}$(n,f) | CrystalScint | 29 | PR 114 1580 | Jun59 | LAS | Bame,S.J.+ |
| $Li^6$ | Sigma | 1.7 | 6 | 4.1 | 6 | | | * | 11 | PR 115 1707 | Sep59 | ORL | Murray,R.B.+ |
| $Li^6$ | Sigma | 1.2 | 6 | 8.0 | 6 | | | CrystalScint* | 24 | PR 115 1707 | Sep59 | ORL | Murray,R.B.+ |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | SPN- 185 | 61 | CCP | Mikhailina. |
| $Li^6$ | Sigma | 2.5 | 4 | 1.0 | 5 | | $U^{235}$(n,f) | Gas Scint * | 3 | 66WASH- 763 | Mar66 | ALD | Barry,J.F. |
| $Li^6$ | Sigma | 1.1 | 4 | 1.0 | 5 | | Absolute | Shell Trans * | 7 | JNE 21 271 | Mar67 | ALD | Cox,S.A.+ |
| $Li^6$ | Sigma | 2.7 | 6 | 1.4 | 7 | | | Diff Sig Int | 2 | 67ROSSEND/II-143 | Oct67 | RBZ | Rendic. |
| $Li^6$ | Ang Distrib | 2.0 | 5 | 6.0 | 5 | | $\sigma$(Tot-React) | Nuc Emulsion | 48 | PR 90 1049 | Jun53 | NWU | Darlington. |
| $Li^6$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 23 | PR 93 1086 | Mar54 | LAS | Frye. |
| $Li^6$ | Ang Distrib | 1.5 | 6 | 2.0 | 6 | | $\sigma$(P#E(th)) | Nuc Emulsion* | 36 | PR 95 117 | Jul54 | NWU | Weddell. |
| $Li^6$ | Ang Distrib | 1.1 | 6 | 1.1 | 6 | | $\sigma$(Tot-React) | Nuc Emulsion | 18 | PR 95 117 | Jul54 | NWU | Weddell. |
| $Li^6$ | Ang Distrib | 1.5 | 5 | 5.6 | 5 | | $\sigma$(Tot-React) | Count Telesc* | 42 | PR 114 1580 | Jun59 | LAS | Bame,S.J.+ |
| $Li^6$ | Ang Distrib | 2.1 | 6 | 2.1 | 6 | | | Nuc Emulsion* | 9 | AE 9 488 | Dec60 | CCP | Tolstov,K.D.+ |
| $Li^6$ | Ang Distrib | 1.9 | 5 | 1.9 | 5 | | $\sigma$(Total) | Nuc Emulsion | 6 | JPR 24 803 | Nov63 | BLG | Baudinet-Robinet,Y.+ |
| $Li^6$ | Ang Distrib | 8.0 | 4 | 8.0 | 4 | | $\sigma$(Tot-React) | Nuc Emulsion | 9 | NP 69 145 | Jul65 | MOL | Beets,C.+ |
| $Li^6$ | Ang Distrib | 2.5 | 5 | 6.0 | 5 | | Norm To Abs | Solidstate C | 27 | 65ANTWRP- 18 | Jul65 | BLG | Robaye,G.+ |
| $Li^6$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 8 | NP A 98 305 | May67 | RBZ | Valkovic. |
| $Li^6$ | Ang Distrib | 2.7 | 6 | 1.4 | 7 | | H(n,n) | Count Telesc | 27 | 67ROSSEND/II-143 | Oct67 | RBZ | Rendic. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Li^6$ | Sigma | 2.5 | 6 | 1.4 | 7 | | Absolute | Coincidences* | 2 | ZN A 15 200 | Mar60 | HAM | Bormann,M.+ |
| $Li^6$ | Sigma | 2.9 | 3 | 5.9 | 5 | | $\sigma$(Thermal) | TimeOfFlight* | 83 | NP 63 593 | Mar65 | FOA | Schwarz,S.+ |
| $Li^6$ | Sigma | 1.0 | 5 | 1.0 | 5 | | Absolute | Scint Tank * | 1 | AE 29 45 | Nov65 | FOA | Conde,H.+ |
| $Li^6$ | Sigma | 1.5 | 5 | 2.8 | 5 | | Absolute | CrystalScint* | 12 | 66PARIS/I- 267 | Oct66 | CAD | Fort,E.+ |
| $Li^6$ | Sigma | 1.1 | 4 | 1.0 | 5 | | Absolute | Shell Trans * | 7 | JNE 21 271 | Mar67 | ALD | Cox,S.A.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,alpha) REACTION (CONTINUED) | | | | | | | | | | | | |
| $Li^6$ | Sigma | 8.2 | 4 | 5.2 | 5 | | $Li^6(n,a)$ | * | 40 | 70HELSNK/I- 253 | Jun70 | CAD | Port,E. |
| $Li^6$ | Sigma | 1.0 | 1 | 7.4 | 4 | | Ratio | TimeOfFlight* | 172 | JNE 24 323 | Oct70 | HAR | Sowerby,M.G.+ |
| | CHARGED PART EMISS | | | | | | | | | | | | |
| $Li^6$ | Legendre Fit | 2.5 | 5 | 6.0 | 5 | | | | 6 | 65ANTWRP- 18 | Jul65 | BLG | Robaye,G.+ |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | AE 4 191 | 58 | CCP | Gorbachev. |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | BAP 8 320 | Apr63 | LAS | Armstrong. |
| $Li^6$ | Sigma | 8.1 | 6 | 1.4 | 7 | | Absolute | Shell Trans | 3 | PR 130 1471 | May63 | LRL | Macgregor,M.H.+ |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 4 | NP 52 505 | Mar64 | LAS | Armstrong,A.H.+ |
| $Li^6$ | Sigma | 1.0 | 7 | 1.0 | 7 | | | Diff Sig Int | 1 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| $Li^6$ | Ang Distrib | 1.0 | 7 | 1.0 | 7 | | | TimeOfFlight | 7 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| $Li^6$ | Spectrum | 1.4 | 7 | 1.4 | 7 | | | | 1 | BAP 8 320 | Apr63 | LAS | Armstrong. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Li^6$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $Li^6$ | Sigma | 2.8 | 6 | 9.7 | 6 | | Absolute | Accelerator | 26 | LA-1655 | Jul54 | LAS | Nereson. |
| $Li^6$ | Sigma | 3.9 | 5 | 9.9 | 5 | | | Accelerator | 32 | PR 96 985 | Nov54 | ORL | Johnson,C.H.+ |
| $Li^6$ | Sigma | 3.3 | 4 | 4.2 | 6 | | Absolute | Accelerator | 200 | PR 96 985 | Nov54 | ORL | Johnson,C.H.+ |
| $Li^6$ | Sigma | 2.5 | 6 | 1.4 | 7 | | Absolute | CrystalScint | 2 | AE 1 67 5 | 56 | CCP | Katsaurov. |
| $Li^6$ | Sigma | 7.0 | 6 | 1.4 | 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| $Li^6$ | Sigma | 1.8 | 7 | 2.8 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| $Li^6$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 237 | FOSTER 67E | May67 | BNW | Foster. |
| $Li^6$ | Sigma | 4.4 | 4 | 6.5 | 5 | | Absolute | Accelerator | 125 | 68WASH- 153 | Mar68 | DKE | Farrell. |
| $Li^6$ | Sigma | 1.0 | 4 | 1.4 | 6 | | Absolute | Accelerator | 704 | 68WASH- 159 | Mar68 | ANL | Hibdon. |
| $Li^6$ | Sigma | 1.0 | 5 | 1.5 | 6 | | Absolute | Transmission* | 987 | WHALEN 70P 2 | Jun70 | ANL | Whalen,J.F.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Li^6$ | $\Gamma(n)$ | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 96 985 | Nov54 | ORL | Johnson,C.H.+ |
| $Li^6$ | $\Gamma(n)$ | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 101 765 | Jan56 | ORL | Willard,H.B.+ |
| $Li^6$ | $\Gamma(n)$ | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 114 201 | Apr59 | RIC | Gabbard,F.+ |
| $Li^6$ | $\Gamma(n)$ | 2.3 | 5 | 2.3 | 5 | | | Breit-Wigner* | 1 | NP 63 593 | Mar65 | FOA | Schwarz,S.+ |
| $Li^6$ | $\Gamma(n)$ | 2.5 | 5 | 2.5 | 5 | | Absolute | Breit-Wigner | 1 | 68WASH- 153 | Mar68 | DKE | Farrell. |
| | alpha-WIDTH | | | | | | | | | | | | |
| $Li^6$ | $\Gamma(alpha)$ | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 96 985 | Nov54 | ORL | Johnson,C.H.+ |
| $Li^6$ | $\Gamma(alpha)$ | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 101 765 | Jan56 | ORL | Willard,H.B.+ |
| $Li^6$ | $\Gamma(alpha)$ | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 114 201 | Apr59 | RIC | Gabbard,F.+ |
| $Li^6$ | $\Gamma(alpha)$ | 2.5 | 5 | 2.5 | 5 | N | | | 1 | PR 114 201 | Apr59 | RIC | Gabbard,F.+ |
| $Li^6$ | $\Gamma(alpha)$ | 2.3 | 5 | 2.3 | 5 | | | Breit-Wigner* | 1 | NP 63 593 | Mar65 | FOA | Schwarz,S.+ |
| $Li^6$ | $\Gamma(alpha)$ | 2.5 | 5 | 2.5 | 5 | | Absolute | Breit-Wigner | 1 | 68WASH- 153 | Mar68 | DKE | Farrell. |
| | FISSION WIDTH | | | | | | | | | | | | |
| $Li^6$ | $\Gamma(Fiss)$ | 2.5 | 5 | 2.5 | 5 | N | | | 1 | PR 114 201 | Apr59 | RIC | Gabbard,F.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Li^6$ | $\Gamma$ | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 96 985 | Nov54 | ORL | Johnson,C.H.+ |
| $Li^6$ | $\Gamma$ | 2.5 | 5 | 2.5 | 5 | N | | | 1 | PR 114 201 | Apr59 | RIC | Gabbard,F.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Li^6$ | Resonance Energy | 2.3 | 5 | 2.3 | 5 | | | Breit-Wigner* | 1 | NP 63 593 | Mar65 | FOA | Schwarz,S.+ |
| $Li^6$ | $\sigma(0)$ | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 96 985 | Nov54 | ORL | Johnson,C.H.+ |
| $Li^6$ | Spin of Reson | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 96 985 | Nov54 | ORL | Johnson,C.H.+ |
| $Li^6$ | Spin of Reson | 2.5 | 5 | 2.5 | 5 | | | | 1 | PR 101 765 | Jan56 | ORL | Willard,H.B.+ |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | |
| $Li^7$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | PR 72 646 | Oct47 | ANL | Hughes. |
| $Li^7$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | DOK 111 331 | 56 | CCP | Koltypin. |
| $Li^7$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Anoth$^8$ SameZ | CrystalScint | 1 | PR 114 1037 | May59 | LOK | Imhof. |
| $Li^7$ | Sigma | 3.5 | 4 | 7.5 | 5 | | $I^{127}$ | Activation | 12 | PR 114 1037 | May59 | LOK | Imhof. |
| $Li^7$ | Sigma | 3.5 | 4 | 9.5 | 5 | | $Li^6(n,a)$ | Activation | 13 | PR 114 1037 | May59 | LOK | Imhof. |
| $Li^7$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | HPA 34 483 | Aug61 | ETH | Jarczyk. |
| $Li^7$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | | | 3 | HPA 34 483 | Aug61 | ETH | Jarczyk. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $Li^7$ | Sigma | 2.1 | 5 | 2.1 | 5 | | | Diff Sig Int | 1 | PR 101 759 | Jan56 | LAS | Thomas,R.G.+ |
| $Li^7$ | Sigma | 1.5 | 6 | 4.0 | 6 | S | | TimeOfFlight | 3 | PL 2 312 | 62 | ALD | Batchelor. |
| $Li^7$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | BAP 8 320 | Apr63 | LAS | Armstrong. |
| $Li^7$ | Sigma | 1.5 | 6 | 4.0 | 6 | | At one Angle | Diff Sig Int | 3 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| $Li^7$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 2 | NP 52 505 | Mar64 | LAS | Armstrong,A.H.+ |
| $Li^7$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | 66LYON- 84 | Jan66 | GRE | Regis,V.+ |
| $Li^7$ | Sigma | 3.3 | 6 | 4.8 | 6 | S | H(n,n) | TimeOfFlight | 2 | 66WASH- 634 | Mar66 | LAS | Hopkins. |
| $Li^7$ | Sigma | 3.3 | 6 | 4.8 | 6 | | H(n,n) | Diff Sig Int | 2 | NP A107 139 | Jan68 | LAS | Hopkins. |
| $Li^7$ | Sigma | 1.1 | 6 | 2.3 | 6 | | H(n,n) | Diff Sig Int* | 8 | 68WASH- 827 | Mar68 | GBL | Knitter,H.H.+ |
| $Li^7$ | Ang Distrib | 2.1 | 5 | 2.1 | 5 | | | Proportion C | 4 | PR 101 759 | Jan56 | LAS | Thomas,R.G.+ |
| $Li^7$ | Ang Distrib | 2.3 | 5 | 2.7 | 5 | | $\sigma$(Total) | Proportion C | 24 | PR 101 759 | Jan56 | LAS | Thomas,R.G.+ |
| $Li^7$ | Ang Distrib | 2.0 | 5 | 6.0 | 5 | | | Proportion C | 21 | PR 101 765 | Jan56 | ORL | Willard,H.B.+ |
| $Li^7$ | Ang Distrib | 1.5 | 6 | 7.5 | 6 | | At one Angle | TimeOfFlight | 178 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| $Li^7$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 20 | 66LYON- 84 | Jan66 | GRE | Regis,V.+ |
| $Li^7$ | Ang Distrib | 3.3 | 6 | 4.8 | 6 | S | H(n,n) | TimeOfFlight | 12 | 66WASH- 634 | Mar66 | LAS | Hopkins. |
| $Li^7$ | Ang Distrib | 3.3 | 6 | 4.8 | 6 | | H(n,n) | TimeOfFlight | 12 | NP A107 139 | Jan68 | LAS | Hopkins. |
| $Li^7$ | Legendre Fit | 1.1 | 6 | 2.3 | 6 | | H(n,n) | TimeOfFlight* | 48 | 68WASH- 827 | Mar68 | GBL | Knitter,H.H.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | | | |
| $Li^7$ | Sigma | 5.1 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 3 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| $Li^7$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 2 | NP 52 505 | Mar64 | LAS | Armstrong,A.H.+ |
| $Li^7$ | Sigma | 1.0 | 7 | 1.0 | 7 | | | Diff Sig Int | 1 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| $Li^7$ | Sigma | 5.7 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 2 | NP A107 139 | Jan68 | LAS | Hopkins. |
| $Li^7$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 15 | NP 33 680 | Jun62 | LRL | Wong. |
| $Li^7$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 17 | NP 52 505 | Mar64 | LAS | Armstrong,A.H.+ |
| $Li^7$ | Ang Distrib | 1.0 | 7 | 1.0 | 7 | | | TimeOfFlight | 5 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| $Li^7$ | Ang Distrib | 5.7 | 6 | 7.5 | 6 | | H(n,n) | TimeOfFlight | 14 | NP A107 139 | Jan68 | LAS | Hopkins. |
| $Li^7$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 14 | EANDC/J- 10 22 | Nov68 | KYU | Hyakutake,M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INEL SCATTERING | | | | | | | | | | | | |
| Li7 | Sigma | 4.1 | 5 | 1.6 | 6 | | | CrystalScint | 44 | PM 46 17 | Jan55 | HAR | Freeman,J.M.+ |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | SPN- 185 | 61 | CCP | Mikhailina. |
| Li7 | Sigma | 1.5 | 6 | 7.5 | 6 | | At one Angle | Diff Sig Int | 10 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| Li7 | Sigma | 1.4 | 6 | 4.0 | 6 | | At one Angle | TimeOfFlight | 8 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| Li7 | Sigma | 1.5 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 9 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | 66LYON- 84 | Jan66 | GRE | Regis,V.+ |
| Li7 | Sigma | 3.3 | 6 | 4.8 | 6 | S | H(n,n) | TimeOfFlight | 3 | 66WASH- 634 | Mar66 | LAS | Hopkins. |
| Li7 | Sigma | 1.0 | 7 | 1.0 | 7 | | | Diff Sig Int | 1 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| Li7 | Sigma | 3.3 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 7 | NP A107 139 | Jan68 | LAS | Hopkins. |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 1 | AUJ 21 103 | Feb68 | AUL | Harvey. |
| Li7 | Sigma | 1.1 | 6 | 2.3 | 6 | | H(n,n) | Diff Sig Int* | 8 | 68WASH- 827 | Mar68 | GEL | Knitter,H.H.+ |
| Li7 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 10 | NP 33 680 | Jun62 | LRL | Wong. |
| Li7 | Ang Distrib | 1.5 | 6 | 7.5 | 6 | | At one Angle | TimeOfFlight | 47 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| Li7 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 20 | 66LYON- 84 | Jan66 | GRE | Regis,V.+ |
| Li7 | Ang Distrib | 3.3 | 6 | 4.8 | 6 | S | H(n,n) | TimeOfFlight | 18 | 66WASH- 634 | Mar66 | LAS | Hopkins. |
| Li7 | Ang Distrib | 1.0 | 7 | 1.0 | 7 | | | TimeOfFlight | 8 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| Li7 | Ang Distrib | 3.3 | 6 | 7.5 | 6 | | H(n,n) | TimeOfFlight | 62 | NP A107 139 | Jan68 | LAS | Hopkins. |
| Li7 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 14 | EANDC/J- 10 22 | Nov68 | KYU | Ryakutake,M.+ |
| Li7 | Legendre Fit | 1.1 | 6 | 2.3 | 6 | | H(n,n) | TimeOfFlight* | 32 | 68WASH- 827 | Mar68 | GEL | Knitter,H.H.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | NP 38 300 | 62 | LAS | Benveniste,J.+ |
| Li7 | Sigma | 1.4 | 7 | 1.5 | 7 | | | 4Pi*σ(90°) | 12 | NP 38 300 | 62 | LRL | Benveniste,J.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| Li7 | Sigma | 5.0 | 4 | 2.3 | 6 | | Carbon | Diff Sig Int | 58 | AP 12 135 | Feb61 | ANL | Lane. |
| Li7 | Sigma | 1.1 | 6 | 2.3 | 6 | | H(n,n) | Diff Sig Int* | 8 | 68WASH- 827 | Mar68 | GEL | Knitter,H.H.+ |
| Li7 | Ang Distrib | 5.0 | 4 | 2.3 | 6 | | Carbon | ModeratrTank | 408 | AP 12 135 | Feb61 | ANL | Lane. |
| Li7 | Ang Distrib | 2.6 | 5 | 2.0 | 6 | | Carbon | ModeratrTank | 113 | PR 136B1710 | Dec64 | ANL | Lane. |
| Li7 | Legendre Fit | 5.0 | 4 | 2.3 | 6 | | Carbon | ModeratrTank | 255 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Li7 | σ(Potential) | 2.6 | 5 | 2.6 | 5 | | | | 1 | PR 84 162 | Oct51 | MIT | Stelson,P.H.+ |
| Li7 | σ(Potential) | 2.6 | 5 | 2.6 | 5 | | | | 1 | PR 101 765 | Jan56 | ORL | Willard,H.B.+ |
| Li7 | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Li7 | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | ARN 11 303 | 61 | ORL | Wilkinson. |
| Li7 | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Li7 | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Li7 | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Li7 | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | | 1 | ARN 11 303 | 61 | ORL | Wilkinson. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | ACO/UK- 1337 | Dec61 | ALD | Mctaggart. |
| Li7 | Sigma | 1.0 | 7 | 1.4 | 7 | | Cf252(Nu) | Scint Tank | 2 | PR 129 1771 | Feb63 | LRL | Ashby. |
| | n-EMISSION | | | | | | | | | | | | |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | BAP 8 320 | Apr63 | LAS | Armstrong. |
| Li7 | Sigma | 4.0 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 4 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | NP 52 505 | Mar64 | LAS | Armstrong,A.H.+ |
| | (n,d) REACTION | | | | | | | | | | | | |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | Cu63(n,2n) | Activation | 1 | PR 89 80 | Jan53 | LAS | Battat,M.E.+ |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | SPN- 185 | 61 | CCP | Mikhailina. |
| Li7 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Li6(n,a) | Count Telesc* | 8 | NP A148 312 | Jun70 | RBZ | Miljanic,D.+ |
| | (n,t) REACTION | | | | | | | | | | | | |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | PR 93 1086 | Mar54 | LAS | Frye. |
| Li7 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 14 | PR 93 1086 | Mar54 | LAS | Frye. |
| Li7 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Li6(n,a) | Count Telesc* | 7 | NP A148 312 | Jun70 | RBZ | Miljanic,D.+ |
| | (n,nt) REACTION | | | | | | | | | | | | |
| Li7 | Sigma | 4.0 | 6 | 1.5 | 7 | | Absolute | Activation | 7 | LA-2235 | Sep58 | LAS | Wyman,T.● |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | SPN- 185 | 61 | CCP | Mikhailina. |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | AWRE/NR/C/61- 1 | Jul61 | ALD | Osborn. |
| Li7 | Sigma | 5.1 | 6 | 1.4 | 7 | | | Nuc Emulsion | 11 | PR 126 1150 | May62 | LAS | Rosen,L.+ |
| Li7 | Sigma | 3.8 | 6 | 1.5 | 7 | | U235(n,f) | Activation | 7 | JNE 17 137 | 63 | ALD | Brown. |
| Li7 | Sigma | 3.3 | 6 | 7.5 | 6 | | H(n,n) | TimeOfFlight | 6 | NP 47 385 | Sep63 | ALD | Batchelor,R.+ |
| Li7 | Sigma | 4.8 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 3 | NP A107 139 | Jan68 | LAS | Hopkins. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| Li7 | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | CloudChamber* | 1 | AK 8 3 | Mar66 | DEB | Csikai,G.+ |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | AE 4 191 | 58 | CCP | Gorbachev. |
| Li7 | Sigma | 8.1 | 6 | 1.4 | 7 | | Absolute | Shell Trans | 3 | PR 130 1471 | May63 | LRL | Macgregor,M.H.+ |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 4 | NP 52 505 | Mar64 | LAS | Armstrong,A.H.+ |
| Li7 | Sigma | 1.7 | 7 | 2.1 | 7 | | | Shell Trans | 3 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| Li7 | Sigma | 1.0 | 7 | 1.0 | 7 | | | Diff Sig Int | 1 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| Li7 | Ang Distrib | 1.0 | 7 | 1.0 | 7 | | | TimeOfFlight | 5 | NP A 91 273 | Feb67 | ALD | Cookson,J.A.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| Li7 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Li7 | Sigma | 2.5 | 6 | 1.4 | 7 | | Absolute | CrystalScint | 2 | AE 1 67 5 | 56 | CCP | Katsaurov. |
| Li7 | Sigma | 7.0 | 6 | 1.4 | 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Li7 | Sigma | 1.8 | 7 | 2.8 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Li7 | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 236 | FOSTER 67E | May67 | BNW | Foster. |
| Li7 | Sigma | 1.0 | 4 | 1.2 | 6 | | Absolute | Accelerator | 698 | 68WASH- 159 | Mar68 | ANL | Hibdon. |
| Li7 | Sigma | 1.0 | 5 | 1.5 | 6 | | Absolute | TimeOfFlight* | 940 | NSE 41 351 | Sep70 | ANL | Meadows,J.W.+ |
| | n-WIDTH | | | | | | | | | | | | |
| Li7 | Γ(n) | 2.6 | 5 | 2.6 | 5 | | | | 1 | PR 84 162 | Oct51 | MIT | Stelson,P.H.+ |
| Li7 | Γ(n) | 2.6 | 5 | 2.6 | 5 | | | | 1 | PR 101 765 | Jan56 | ORL | Willard,H.B.+ |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH | | | | | | | | | | | |
| $Li^7$ | $\Gamma$ | 2.6 | 5 | 2.6 | 5 | | | 1 | ANL-5273 | Aug54 | ANL | Hibdon. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Li^7$ | $\sigma(0)$ | 2.6 | 5 | 2.6 | 5 | | | 1 | PR 84 162 | Oct51 | MIT | Stelson,P.H.+ |
| $Li^7$ | $\sigma(0)$ | 2.6 | 5 | 2.6 | 5 | | | 1 | ANL-5273 | Aug54 | ANL | Hibdon. |
| $Li^7$ | Spin of Reson | 2.7 | 5 | 2.7 | 5 | | | 1 | PR 79 1018 | Sep50 | WIS | Adair,R.K. |
| $Li^7$ | Spin of Reson | 2.6 | 5 | 2.6 | 5 | | | 1 | PR 84 162 | Oct51 | MIT | Stelson,P.H.+ |
| $Li^7$ | Spin of Reson | 2.6 | 5 | 2.6 | 5 | | | 1 | PR 101 765 | Jan56 | ORL | Willard,H.B.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Be⁹ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 71 269 | Feb47 | ANL | Hughes. |
| Be⁹ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PALEVSKY 52 | 52 | BNL | Palevsky. |
| Be⁹ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | HPA 34 483 | Aug61 | ETH | Jarczyk. |
| Be⁹ | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | ANL-6797 236 | 63 | LAS | Jurney. |
| Be⁹ | Spectrum | 2.5 -2 | 2.5 -2 | | | | 6 | HPA 34 483 | Aug61 | ETH | Jarczyk. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Be⁹ | Sigma | 5.4 5 | 7.0 5 | | | Diff Sig Int | 3 | PR 98 669 | May55 | ORL | Willard,H.B.+ |
| Be⁹ | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PR 110 1439 | Jun58 | LRL | Nakada,M.P.+ |
| Be⁹ | Sigma | 2.6 6 | 6.0 6 | | | Diff Sig Int | 7 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be⁹ | Sigma | 2.5 6 | 3.5 6 | S | | Diff Sig Int | 6 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be⁹ | Sigma | 3.0 6 | 7.0 6 | | H(n,n) | Diff Sig Int | 8 | PHILLIPS 61J | Oct61 | LAS | Phillips. |
| Be⁹ | Sigma | 4.0 6 | 4.0 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PHN/66- 4S | Jan66 | GRE | Bouchez,R.+ |
| Be⁹ | Sigma | 4.5 5 | 1.5 6 | | Carbon | TimeOfFlight | 33 | NSE 26 500 | Dec66 | ANL | Smith. |
| Be⁹ | Ang Distrib | 5.4 5 | 7.0 5 | | | Proportion C | 26 | PR 98 669 | May55 | ORL | Willard,H.B.+ |
| Be⁹ | Ang Distrib | 4.1 6 | 4.1 6 | | | Biased Scint | 11 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Be⁹ | Ang Distrib | 1.4 8 | 1.4 8 | | | Liquid Scint | 5 | PM 1 1003 | 56 | OXF | Van Zyl. |
| Be⁹ | Ang Distrib | 5.5 5 | 8.9 5 | | | Long Counter | 190 | ANL-5554 22 | Aug56 | ANL | Lane,R.O.+ |
| Be⁹ | Ang Distrib | 7.0 6 | 7.0 6 | | | Proportion C | 8 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Be⁹ | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 21 | PR 110 1439 | Jun58 | LRL | Nakada,M.P.+ |
| Be⁹ | Ang Distrib | 7.3 5 | 2.9 6 | | σ(Tot-React) | Proportion C | 90 | BAP 3 305 | Aug58 | ORL | Fowler. |
| Be⁹ | Ang Distrib | 2.7 6 | 2.9 6 | S | σ(Tot-React) | Proportion C | 20 | BAP 3 305 | Aug58 | ORL | Fowler. |
| Be⁹ | Ang Distrib | 4.1 6 | 6.0 6 | | | Biased Scint | 31 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be⁹ | Ang Distrib | 2.6 6 | 3.5 6 | S | | Biased Scint | 21 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be⁹ | Ang Distrib | 2.5 6 | 3.5 6 | | H(n,n) | TimeOfFlight | 91 | LEVIN 60G | Jul60 | LAS | Levin. |
| Be⁹ | Ang Distrib | 9.6 7 | 9.6 7 | | | Biased Scint | 5 | NP 21 15 | Nov60 | OXF | Salmon,G.L. |
| Be⁹ | Ang Distrib | 3.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 109 | PHILLIPS 61J | Oct61 | LAS | Phillips. |
| Be⁹ | Ang Distrib | 4.0 6 | 4.0 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| Be⁹ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 26 | CR 260 4491 | Apr65 | BOR | Roturier,J.+ |
| Be⁹ | Ang Distrib | 1.4 7 | 1.4 7 | | | TimeOfFlight | 18 | PHN/66- 4S | Jan66 | GRE | Bouchez,R.+ |
| Be⁹ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 17 | EANDC/J- 13 31 | Aug69 | KYU | Hyakutake,M.+ |
| Be⁹ | Ang Distrib | 1.5 7 | 1.5 7 | | Absolute | TimeOfFlight | 10 | ARAI 71L | Dec71 | TIT | Arai,E. |
| Be⁹ | Legendre Fit | 4.5 5 | 1.5 6 | | Carbon | TimeOfFlight | 132 | NSE 26 500 | Dec66 | ANL | Smith. |
| Be⁹ | Polarizat n-out | 2.0 5 | 2.0 6 | | | Polarizn-1/r | 214 | PR 133B 409 | Jan64 | ANL | Lane,R.O.+ |
| Be⁹ | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Be⁹ | Sigma | 2.5 6 | 2.5 6 | | | Ion Chamber | 1 | PR 82 969 | Jun51 | ORF | Grace,M.A.+ |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PR 107 824 | Aug57 | LAS | Rosen. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PR 111 572 | Jul58 | LRL | Anderson. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | JNE 14 180 | 61 | ALD | Cohen,A.V. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PHN/66- 4S | Jan66 | GRE | Bouchez,R.+ |
| Be⁹ | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 16 | PR 111 572 | Jul58 | LRL | Anderson. |
| Be⁹ | Ang Distrib | 3.5 6 | 5.0 6 | | | Biased Scint | 27 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be⁹ | Ang Distrib | 2.7 6 | 5.0 6 | | | Coincidences | 9 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be⁹ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 51 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Be⁹ | Ang Distrib | 1.4 7 | 1.4 7 | | | TimeOfFlight | 18 | PHN/66- 4S | Jan66 | GRE | Bouchez,R.+ |
| Be⁹ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 23 | ROTURIER 66C | Mar66 | BOR | Roturier,J.+ |
| Be⁹ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 17 | EANDC/J- 13 31 | Aug69 | KYU | Hyakutake,M.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Be⁹ | Sigma | 2.6 6 | 2.7 6 | | Absolute | 4Pi*σ(90°) | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| Be⁹ | Sigma | 2.6 6 | 2.7 6 | N | | 4Pi*σ(90°) | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| Be⁹ | Ang Distrib | 2.6 6 | 2.7 6 | | | Ring Geomtry | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Be⁹ | Sigma | 5.5 5 | 8.9 5 | | | Diff Sig Int | 38 | ANL-5554 22 | Aug56 | ANL | Lane,R.O.+ |
| Be⁹ | Sigma | 3.0 4 | 1.4 6 | | Carbon | Diff Sig Int | 20 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Be⁹ | Sigma | 1.8 6 | 2.3 6 | | | Diff Sig Int | 12 | AP 12 135 | Feb61 | ANL | Lane. |
| Be⁹ | Sigma | 5.0 4 | 2.3 6 | | Carbon | Diff Sig Int | 32 | AP 12 135 | Feb61 | ANL | Lane. |
| Be⁹ | Sigma | 2.1 5 | 9.0 5 | | Carbon | Diff Sig Int | 31 | PR 133B 409 | Jan64 | ANL | Lane,R.O.+ |
| Be⁹ | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 100 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Be⁹ | Ang Distrib | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 352 | AP 12 135 | Feb61 | ANL | Lane. |
| Be⁹ | Ang Distrib | 2.0 5 | 9.0 5 | | Carbon | ModeratrTank | 150 | PR 133B 409 | Jan64 | ANL | Lane,R.O.+ |
| Be⁹ | Legendre Fit | 5.5 5 | 8.9 5 | | | ModeratrTank | 76 | ANL-5554 22 | Aug56 | ANL | Lane,R.O.+ |
| Be⁹ | Legendre Fit | 1.8 6 | 2.3 6 | | | ModeratrTank | 60 | AP 12 135 | Feb61 | ANL | Lane. |
| Be⁹ | Legendre Fit | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 161 | AP 12 135 | Feb61 | ANL | Lane. |
| Be⁹ | Legendre Fit | 5.0 4 | 9.0 5 | | Carbon | ModeratrTank | 168 | PR 133B 409 | Jan64 | ANL | Lane,R.O.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Be⁹ | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Be⁹ | σ(Incoherent) | 2.5 -2 | 2.5 -2 | | | | 1 | ZN A 19 354 | Mar64 | MUN | Scherm,R.+ |
| Be⁹ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Be⁹ | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Be⁹ | σ(Free Atom) | 4.0 -4 | 1.8 -3 | | | | 5 | ZN A 19 354 | Mar64 | JUL | Scherm,R.+ |
| Be⁹ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | Cu⁶³(n,2n) | Proportion C | 1 | PR 89 80 | Jan53 | LAS | Battat,M.E.+ |
| Be⁹ | Sigma | 3.7 6 | 3.7 6 | | | CrystalScint | 1 | PR 98 249 | Apr55 | JHU | Fowler. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PR 107 824 | Aug57 | LAS | Rosen. |
| Be⁹ | Sigma | 2.6 6 | 3.2 6 | | Carbon | ManganesBath | 4 | PR 108 99 | Oct57 | IOW | Pisher. |
| Be⁹ | Sigma | 2.6 6 | 3.2 6 | N | Carbon | ManganesBath | 3 | PR 108 99 | Oct57 | IOW | Pisher. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | N | | Scint Tank | 1 | PP 111 616 | Jul58 | LRL | Ashby. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | AE 5 657 | Dec58 | CCP | Plerov,N.N.+ |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Nuc Emulsion | 6 | JPJ 14 554 | May59 | KON | Sakisaka,M. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | JPR 20 621 | Jun59 | PR | Chuan,C.X. |
| Be⁹ | Sigma | 3.2 6 | 4.5 6 | | | Coincidences | 4 | SPN- 219 | 61 | CCP | Lebedeva,N.S.+ |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | ZET 40 1244 | 61 | LEB | Myachkova. |
| Be⁹ | Sigma | 6.5 6 | 1.4 7 | | | Scint Tank | 4 | PR 123 218 | Jul61 | LRL | Catron. |
| Be⁹ | Sigma | 1.4 7 | 1.4 7 | | | Long Counter | 1 | JNE 17 437 | 63 | ALD | Mctaggart. |
| Be⁹ | Sigma | 2.7 6 | 2.7 6 | | | Mass Spec | 1 | NSE 25 1 | May66 | USA | Felber. |
| Be⁹ | Sigma | 1.0 6 | 1.0 6 | | | * | 2 | NUK 10 257 | Nov67 | GER | Robrock,K.H.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | | | |
| Be9 | Sigma | 2.3 | 6 | 5.2 | 6 | C | Absolute | Shell Trans | 7 | 68WASH- 169 | Mar68 | UK | Eaton,J.R.P.+ |
| Be9 | Sigma | 1.0 | 6 | 1.0 | 6 | | | ManganesBath | 1 | NSE 32 30 | Apr68 | BET | Green. |
| Be9 | Sigma | 2.0 | 6 | 6.4 | 6 | | Cf252(Nu) | Scint Tank * | 27 | NP A129 305 | May69 | FOA | Holmberg,M.+ |
| Be9 | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Nuc Emulsion | 1 | HPA 30 257 | Aug57 | BAS | Huber,P.+ |
| | (n,3n) REACTION | | | | | | | | | | | | |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | LA-2111 | Apr57 | LAS | Rosen. |
| | (n,p) REACTION | | | | | | | | | | | | |
| Be9 | Sigma | 1.5 | 7 | 1.5 | 7 | | | | 1 | DEB 4 79 | Aug62 | DEB | Bornemisza. |
| Be9 | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | DEB 4 79 | Aug62 | DEB | Bornemisza. |
| Be9 | Sigma | 1.6 | 7 | 1.6 | 7 | | | Activation | 1 | PR 132 334 | Oct63 | BNL | Alburger. |
| | (n,d) REACTION | | | | | | | | | | | | |
| Be9 | Sigma | 1.6 | 7 | 1.9 | 7 | | Absolute | Activation * | 18 | SCOBEL 70A | Jan70 | HAM | Scobel,W.+ |
| | (n,t) REACTION | | | | | | | | | | | | |
| Be9 | Sigma | 1.4 | 7 | 1.6 | 7 | | Absolute | Nuc Emulsion | 3 | DOK 119 914 | 58 | CCP | Vasil'ev. |
| Be9 | Sigma | 1.4 | 7 | 1.6 | 7 | | | Proportion C | 1 | PR 112 1264 | Nov58 | LAS | Wyman. |
| Be9 | Sigma | 1.4 | 7 | 1.5 | 7 | | | Ring Geomtry | 11 | NP 19 52 | 60 | LRL | Benveniste. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | Cu63(n,2n) | Activation | 1 | PR 89 80 | Jan53 | LAS | Battat,M.E.+ |
| Be9 | Sigma | 3.7 | 6 | 3.7 | 6 | | | Coincidences | 1 | PR 98 249 | Apr55 | JHU | Fowler. |
| Be9 | Sigma | 5.2 | 5 | 4.8 | 6 | S | | CrystalScint | 106 | ORNL-1975 31 | Sep55 | ORL | Pomerance. |
| Be9 | Sigma | 2.3 | 6 | 4.4 | 6 | | Absolute | Fission Det | 3 | PR 106 1252 | Jun57 | ORL | Stelson. |
| Be9 | Sigma | 2.4 | 6 | 3.1 | 6 | | Absolute | Long Counter | 2 | PR 106 1252 | Jun57 | ORL | Stelson. |
| Be9 | Sigma | 3.1 | 6 | 3.1 | 6 | | Absolute | Proportion C | 1 | PR 106 1252 | Jun57 | ORL | Stelson. |
| Be9 | Sigma | 1.0 | 6 | 7.0 | 6 | | Absolute | Nuc Emulsion | 7 | DOK 119 914 | 58 | CCP | Vasil'ev. |
| Be9 | Sigma | 4.6 | 6 | 4.6 | 6 | | | Activation | 1 | NP 23 122 | 61 | RIC | Bass. |
| Be9 | Sigma | 3.9 | 6 | 8.6 | 6 | | σ(E≠E(th)) | CrystalScint | 56 | NP 23 122 | 61 | RIC | Bass. |
| Be9 | Sigma | 4.1 | 6 | 5.8 | 6 | | Absolute | PlasticScint | 5 | NP 23 122 | 61 | RIC | Bass. |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | NP A 96 476 | Apr67 | RBZ | Paic,G. |
| Be9 | Sigma | 8.5 | 6 | 3.0 | 7 | | H(n,n) | TimeOfFlight* | 110 | KFK-1190 | Jun70 | KFK | Kropp,L.+ |
| Be9 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Count Telesc | 13 | NP A 96 476 | Apr67 | RBZ | Paic,G. |
| Be9 | Ang Distrib | 8.0 | 6 | 3.0 | 7 | | H(n,n) | TimeOfFlight* | 576 | KFK-1190 | Jun70 | KFK | Kropp,L.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| Be9 | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 2 | ANL-4076 10 | 47 | ANL | Nobles. |
| Be9 | Sigma | 2.5 | -2 | 2.5 | -2 | | | ReactivityCo | 1 | 55GENEVA/ 5- 13 | Aug55 | CCP | Geraseva. |
| Be9 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pile Oscilat | 1 | 58GENEVA/16- 34 | Sep58 | HAR | Rose. |
| Be9 | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | EANDC/E- 49 93 | Oct63 | PAR | Vidal. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| Be9 | Sigma | 4.1 | 6 | 4.1 | 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Be9 | Sigma | 4.0 | 6 | 4.0 | 6 | | | Shell Trans | 1 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Be9 | Sigma | 1.3 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 2 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Be9 | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| Be9 | Sigma | 7.0 | 6 | 7.0 | 6 | | Absolute | Shell Trans | 1 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | AE 4 191 | 58 | CCP | Gorbachev. |
| Be9 | Sigma | 7.0 | 6 | 1.1 | 7 | | | Shell Trans | 4 | PR 110 1392 | Jun58 | LRL | Ball,W.P.+ |
| Be9 | Sigma | 2.6 | 7 | 2.6 | 7 | | | Shell Trans | 1 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| Be9 | Sigma | 5.0 | 6 | 6.0 | 6 | | Absolute | Biased Scint | 2 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be9 | Sigma | 3.5 | 6 | 4.1 | 6 | S | Absolute | Biased Scint | 2 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be9 | Sigma | 2.6 | 6 | 2.6 | 6 | S | Absolute | Total | 1 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | JNE 14 180 | 61 | ALD | Cohen,A.V. |
| Be9 | Sigma | 3.3 | 6 | 4.5 | 6 | | | Accelerator | 3 | SPN- 219 | 61 | CCP | Lebedeva,N.S.+ |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Long Counter | 1 | JNE 17 437 | 63 | ALD | Mctaggart. |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Count Telesc | 1 | EANDC/E- 49 82 | Oct63 | SAC | Cabe,J.+ |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | JPR 24 805 | Nov63 | SAC | Didier,D.+ |
| Be9 | Sigma | 2.3 | 6 | 5.2 | 6 | | Absolute | Shell Trans | 7 | 68WASH- 169 | Mar68 | UK | Eaton,J.R.P.+ |
| Be9 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 10 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| Be9 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 42 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| Be9 | Sigma | 8.3 | 7 | 8.3 | 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| Be9 | Sigma | 1.0 | 4 | 9.5 | 4 | | Absolute | Accelerator | 20 | PR 75 1124 | Apr49 | WIS | Adair. |
| Be9 | Sigma | 9.5 | 7 | 9.5 | 7 | | Absolute | Fission Det | 1 | PR 77 606 | Mar50 | BRK | Dejuren,J.+ |
| Be9 | Sigma | 4.2 | 7 | 4.2 | 7 | | Absolute | Fission Det | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Be9 | Sigma | 2.2 | 5 | 1.4 | 6 | | Absolute | Accelerator | 89 | PR 80 1011 | Dec50 | WIS | Bockelman,C.K. |
| Be9 | Sigma | 2.0 | 6 | 6.0 | 6 | | Absolute | Ion Chamber | 16 | PPS 64 388 | 51 | CAV | Stafford. |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Accelerator | 1 | PR 81 139 | Jan51 | CAR | Lasday. |
| Be9 | Sigma | 1.4 | 6 | 3.5 | 6 | | Absolute | Ion Chamber | 117 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| Be9 | Sigma | 2.0 | 6 | 3.3 | 6 | S | Absolute | Ion Chamber | 85 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| Be9 | Sigma | 2.9 | -4 | 6.4 | -3 | | Absolute | TimeOfFlight | 82 | PALEVSKY 52 | 52 | BNL | Palevsky. |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Be9 | Sigma | 2.6 | 6 | 1.4 | 7 | | | Ion Chamber | 33 | PR 89 775 | Feb53 | LAS | Nereson. |
| Be9 | Sigma | 2.4 | 6 | 8.1 | 6 | S | Absolute | Accelerator | 21 | BONNER 54 | 54 | RIC | Bonner. |
| Be9 | Sigma | 5.1 | 5 | 8.5 | 5 | | Absolute | Accelerator | 59 | STELSON 54 | 54 | MIT | Stelson. |
| Be9 | Sigma | 1.4 | 7 | 1.8 | 7 | | Absolute | Accelerator | 8 | PR 94 651 | May54 | RIC | Cook. |
| Be9 | Sigma | 4.1 | 6 | 4.1 | 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Be9 | Sigma | 1.3 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 2 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Be9 | Sigma | 4.3 | 6 | 4.3 | 6 | | | Accelerator | 1 | PR 102 1384 | Jun56 | WIS | Becker. |
| Be9 | Sigma | 4.4 | 6 | 8.7 | 6 | | Absolute | Accelerator | 96 | PR 102 1384 | Jun56 | WIS | Becker. |
| Be9 | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| Be9 | Sigma | 3.8 | 6 | 8.1 | 6 | | | | 41 | PR 105 193 | Jan57 | NRL | Bondelid. |
| Be9 | Sigma | 7.0 | 6 | 2.6 | 7 | S | Absolute | Biased Scint | 6 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Be9 | Sigma | 6.8 | 6 | 1.4 | 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Be9 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Accelerator | 1 | AE 5 657 | Dec58 | CCP | Plerov,N.N.+ |
| Be9 | Sigma | 5.0 | 6 | 6.0 | 6 | | Absolute | TimeOfFlight | 2 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be9 | Sigma | 2.6 | 6 | 4.1 | 6 | S | Absolute | TimeOfFlight | 3 | PR 114 1584 | Jun59 | LAS | Marion. |
| Be9 | Sigma | 1.9 | 6 | 4.6 | 6 | | | Accelerator | 185 | BAP 4 395 | Aug59 | ORL | Harvey. |
| Be9 | Sigma | 1.8 | 7 | 2.8 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Be9 | Sigma | 3.4 | 6 | 1.6 | 7 | | Absolute | Accelerator | 170 | PR 123 209 | Jul61 | WIS | Fossan. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | | | | | | |
| $Be^9$ | Sigma | 1.0 | 7 | 1.6 | 7 | N | Absolute | Accelerator | 81 | PR | 123 | 209 | | Jul61 | WIS | Fossan. |
| $Be^9$ | Sigma | 1.6 | 5 | 2.3 | 5 | | | Accelerator | 25 | CR | 255 | 277 | | Jul62 | PR | Perrin,A.+ |
| $Be^9$ | Sigma | 1.6 | -2 | 3.8 | -1 | | Absolute | Crystal Spec | 25 | RSI | 33 | 49 | | Sep62 | TRM | Duggal. |
| $Be^9$ | Sigma | 4.3 | 5 | 8.5 | 5 | | | Accelerator | 421 | BILPUCH | 62K | | | Nov62 | DKE | Bilpuch. |
| $Be^9$ | Sigma | 5.3 | 4 | 8.2 | 5 | | Absolute | Accelerator | 477 | BILPUCH | 62K | | | Nov62 | DKE | Bilpuch. |
| $Be^9$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 254 | POSTER | 67E | | | May67 | BNW | Foster. |
| $Be^9$ | Sigma | 2.7 | 10 | 2.7 | 10 | | | | 1 | PL B | 27 | 328 | | Aug68 | MHG | Jones. |
| $Be^9$ | Sigma | 5.7 | 9 | 5.7 | 9 | | Absolute | Transmission* | 1 | UN.MICH | -3028 | | 3-T | Nov69 | MHG | Parker,E.P.+ |
| $Be^9$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Transmission* | 1 | AHP | 28 | 87 | A | Mar70 | DEB | Angeli,I.+ |
| $Be^9$ | Sigma | 1.2 | 5 | 1.2 | 6 | | Absolute | CrystalScint* | 275 | CABE | | 71B | | Feb71 | BRC | Cabe,J.+ |
| $Be^9$ | Sigma | 5.0 | 5 | 2.0 | 7 | | Absolute | TimeOfFlight* | 3450 | BAP | 16 | 495 | A | Apr71 | NBS | Schwartz,R.B.+ |
| | TOTAL WIDTH | | | | | | | | | | | | | | | |
| $Be^9$ | $\Gamma$ | 6.2 | 5 | 8.1 | 5 | | | | 2 | PR | 84 | 69 | | Oct51 | WIS | Bockelman,C.K.+ |
| $Be^9$ | $\Gamma$ | 6.2 | 5 | 8.1 | 5 | | | | 2 | PR | 98 | 669 | | May55 | ORL | Willard,H.B.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | | | |
| $Be^9$ | $\sigma(0)$ | 6.2 | 5 | 8.1 | 5 | | | | 2 | PR | 98 | 669 | | May55 | ORL | Willard,H.B.+ |
| $Be^9$ | Spin of Reson | 6.2 | 5 | 8.1 | 5 | | | | 2 | PR | 84 | 69 | | Oct51 | WIS | Bockelman,C.K.+ |
| $Be^9$ | Spin of Reson | 6.2 | 5 | 8.1 | 5 | | | | 2 | PR | 98 | 669 | | May55 | ORL | Willard,H.B.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | | | | |
| $Be^9$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YP | 4 | 1154 | | Dec66 | FEI | Salnikov,O.A.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | | |
| BeO | Sigma | 2.8 | -2 | 5.0 | -1 | | Absolute | Crystal Spec | 12 | PR | 71 | 589 | | May47 | ANL | Fermi. |
| BeO | Sigma | 2.7 | -3 | 2.0 | -1 | | Absolute | TimeOfFlight | 45 | PR | 71 | 589 | | May47 | ANL | Fermi. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 2 | NSE 9 132 | Feb61 | ANL | Meadows. |
| | γ,EMISSION | | | | | | | | | | |
| B | Sigma | 1.4 7 | 1.4 7 | | | γ-Spectromet | 10 | AE 24 573 | Jun68 | CCP | Maslov. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| B | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | NP 37 412 | Sep62 | THA | Tesch,K. |
| B | Ang Distrib | 4.3 5 | 1.5 6 | | | Proportion C | 42 | PR 98 669 | May55 | ORL | Willard,H.B.+ |
| B | Ang Distrib | 1.4 7 | 1.4 7 | | | TimeOfFlight | 15 | NP 37 412 | Sep62 | THA | Tesch,K. |
| B | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 14 | PR 144 854 | Apr66 | OHO | Frasca,A.J.+ |
| B | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | PEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| B | Sigma | 1.0 6 | 1.2 6 | | | He³ Spec | 2 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| B | Ang Distrib | 1.4 7 | 1.4 7 | | | TimeOfFlight | 41 | NP 37 412 | Sep62 | THA | Tesch,K. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| B | Sigma | 6.0 4 | 1.8 6 | | Carbon | ModeratrTank | 23 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| B | Ang Distrib | 6.0 4 | 1.8 6 | | Carbon | ModeratrTank | 115 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| B | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | DONALDSON 64 | 64 | LRL | Donaldson. |
| B | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | DONALDSON 64 | 64 | LRL | Donaldson. |
| | (n,alpha) REACTION | | | | | | | | | | |
| B | Sigma | 3.8 5 | 2.6 6 | | | Proportion C | 18 | PR 83 1148 | Sep51 | WIS | Petree. |
| | REMOVAL CROSS SECT | | | | | | | | | | |
| B | Sigma | 4.0 6 | 1.5 7 | | Absolute | Fission Det | 2 | SJA 6 431 | Dec60 | CCP | Broder,D.L.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| B | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | PR 90 603 | May53 | ANL | Hammermesh. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Pulse Decay * | 1 | PR 91 1284 | Sep53 | AE | Von Dardel. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 92 716 | Nov53 | BNL | Carter. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 2 | JNE 5 41 | Jul57 | HAR | Egelstaff,P.A. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PNE 2 183 | 58 | CER | Von Dardel. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | NSE 8 453 | 60 | COL | Gould. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | NP 17 109 | Jun60 | ORL | Schmitt,H.W.+ |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | NSE 9 99 | 61 | COL | Safford. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 3 | NSE 9 99 | 61 | COL | Safford. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PIA 27 216 | 61 | IND | Singh. |
| B | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | JNE 17 83 | Feb63 | MOL | Presdocimi. |
| B | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | Total * | 1 | PR 133B 925 | Feb64 | RIS | Als-Nielsen,J.+ |
| B | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | | 1 | NP 62 491 | Feb65 | OXF | Wynchank,S.A.R.+ |
| B | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | ManganesBath | 1 | BAP 13 1421 | Nov68 | ANL | De Volpi. |
| B | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| B | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 88 600 | Nov52 | LAS | Phillips,D.D.+ |
| B | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Flerov. |
| B | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | AE 4 191 | 58 | CCP | Gorbachev. |
| B | Sigma | 2.9 6 | 2.9 6 | | | Proportion C | 1 | AE 5 565 | Dec58 | CCP | Kukhtevich,V.I.+ |
| B | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 12 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| B | Sigma | 2.9 6 | 2.9 6 | | Absolute | Ion Chamber | 1 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| B | Sigma | 4.2 7 | 4.2 7 | | | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| B | Sigma | 1.8 5 | 8.4 5 | | Absolute | Accelerator | 30 | PR 80 1011 | Dec50 | WIS | Rockelman,C.K. |
| B | Sigma | 8.7 5 | 3.4 6 | | Absolute | Accelerator | 140 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| B | Sigma | 1.2 -2 | 2.8 0 | | Absolute | TimeOfFlight | 30 | CU- 100 | Feb52 | COL | Rainwater. |
| B | Sigma | 6.6 -4 | 2.9 -2 | | Absolute | TimeOfFlight | 60 | PR 92 716 | Nov53 | BNL | Carter. |
| B | Sigma | 2.8 6 | 9.7 6 | | Absolute | Ion Chamber | 26 | LA-1655 | Jul54 | LAS | Nereson. |
| B | Sigma | 4.3 6 | 8.6 6 | | Absolute | Accelerator | 68 | PR 102 1384 | Jun56 | WIS | Becker. |
| B | Sigma | 4.6 -3 | 1.0 -1 | | Absolute | Crystal Spec | 10 | PR 119 1291 | Aug60 | COL | Safford. |
| B | Sigma | 3.3 6 | 4.5 6 | | Absolute | Accelerator | 4 | SPN- 219 | 61 | CCP | Lebedeva,N.S.+ |
| B | Sigma | 3.3 6 | 1.5 7 | | Absolute | Accelerator | 180 | PR 123 209 | Jul61 | WIS | Possan. |
| B | Sigma | 9.5 5 | 1.3 6 | | Absolute | Accelerator | 47 | PR 125 1334 | Feb62 | LOK | Imhof. |
| B | Sigma | 6.0 -3 | 8.2 -2 | | Absolute | TimeOfFlight | 50 | JNE 17 83 | Feb63 | MOL | Presdocimi. |
| B | Sigma | 3.2 6 | 5.1 6 | | Absolute | Transmission | 66 | TSUKADA 63K | Nov63 | JAE | Tsukada,K.+ |
| B | Sigma | 5.3 -3 | 1.0 -1 | | Absolute | Crystal Spec* | 5 | PR 133B 925 | Feb64 | RIS | Als-Nielsen,J.+ |
| B | Sigma | 1.1 4 | 5.0 5 | | Absolute | Accelerator | 54 | NP 82 16 | Jul66 | ANL | Mooring. |
| B | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| B | Sigma | 1.5 7 | 1.5 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| B10 | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| B10 | Spectrum | 2.5 -2 | 2.5 -2 | | Ratio | Ge(Li) Detect | 8 | NIM 56 325 | Nov67 | ANL | Thomas,G.E.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| B10 | Sigma | 9.7 6 | 9.7 6 | | H(n,n) | TimeOfFlight* | 1 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| B10 | Sigma | 2.0 6 | 4.8 6 | | H(n,n) | TimeOfFlight* | 7 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| B10 | Ang Distrib | 5.5 5 | 1.5 6 | | | Proportion C | 21 | PR 98 669 | May55 | ORL | Willard,H.B.+ |
| B10 | Ang Distrib | 9.7 6 | 9.7 6 | | H(n,n) | TimeOfFlight* | 9 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| B10 | Ang Distrib | 2.0 6 | 4.8 6 | | H(n,n) | TimeOfFlight* | 70 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| B10 | Sigma | 7.0 6 | 7.5 6 | | | Diff Sig Int | 2 | HOPKINS 69A | Jan69 | LAS | Hopkins. |
| B10 | Sigma | 1.4 7 | 1.4 7 | C | Absolute | TimeOfFlight | 1 | HPA 43 237 | May70 | LAU | Vaucher,B.+ |
| B10 | Ang Distrib | 7.0 6 | 7.5 6 | | | TimeOfFlight | 25 | HOPKINS 69A | Jan69 | LAS | Hopkins. |
| B10 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 16 | EANDC/J- 13 29 | Aug69 | KYU | Hyakutake,M.+ |
| B10 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 14 | HPA 43 237 | May70 | LAU | Vaucher,B.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | INEL SCATTERING | | | | | | | | | | |
| B10 | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| B10 | Sigma | 7.0 6 | 7.5 6 | | | Diff Sig Int | 11 | HOPKINS 69A | Jan69 | LAS | Hopkins. |
| B10 | Sigma | 1.4 7 | 1.4 7 | C | Absolute | TimeOfFlight | 9 | HPA 43 237 | May70 | LAU | Vaucher,B.+ |
| B10 | Sigma | 9.7 6 | 9.7 6 | | H(n,n) | TimeOfFlight* | 6 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| B10 | Sigma | 2.0 6 | 4.8 6 | | H(n,n) | TimeOfFlight* | 18 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| B10 | Ang Distrib | 7.0 6 | 7.5 6 | | | TimeOfFlight | 91 | HOPKINS 69A | Jan69 | LAS | Hopkins. |
| B10 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 64 | EANDC/J- 13 29 | Aug69 | KYU | Hyakutake,M.+ |
| B10 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 124 | HPA 43 237 | May70 | LAU | Vaucher,B.+ |
| B10 | Ang Distrib | 9.7 6 | 9.7 6 | | H(n,n) | TimeOfFlight* | 36 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| B10 | Ang Distrib | 2.0 6 | 4.8 6 | | H(n,n) | TimeOfFlight* | 180 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| B10 | Sigma | 2.6 6 | 2.6 6 | | Absolute | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| B10 | Sigma | 2.6 6 | 2.6 6 | N | | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| B10 | Sigma | 1.1 6 | 5.2 6 | | | 4Pi*σ(90°) | 85 | PR 117 1330 | Mar60 | LAS | Day,R.B.+ |
| B10 | Ang Distrib | 2.6 6 | 2.6 6 | | | Ring Geomtry | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| B10 | Sigma | 9.2 2 | 8.0 4 | | Carbon | TimeOfFlight | 25 | EANDC/UK- 99 | Feb68 | HAR | Asami,A.+ |
| B10 | Sigma | 7.0 2 | 7.0 2 | | | TimeOfFlight | 1 | AERE/R-5980 | Apr69 | HAR | Asami,A.+ |
| B10 | Sigma | 4.7 2 | 1.3 5 | | | TimeOfFlight* | 30 | JNE 24 85 | Apr70 | HAR | Asami,A.+ |
| B10 | σ(Averaged) | 5.6 3 | 5.6 3 | C | | | 1 | EANDC/UK- 99 | Feb68 | HAR | Asami,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| B10 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | PR 146 660 | Jun66 | LRL | Donaldson,R.E.+ |
| | (n,d) REACTION | | | | | | | | | | |
| B10 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 14 | PR 94 934 | May54 | LAS | Ribe,F.L.+ |
| B10 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 35 | PR 139B 331 | Jul65 | RBZ | Valkovic,V.+ |
| | (n,nd) REACTION | | | | | | | | | | |
| B10 | Sigma | 1.2 7 | 2.0 7 | | | Nuc Emulsion | 5 | PR 103 328 | Jul56 | LAS | Frye. |
| | (n,t) REACTION | | | | | | | | | | |
| B10 | Sigma | 5.6 6 | 2.0 7 | | | Nuc Emulsion | 7 | PR 103 328 | Jul56 | LAS | Frye. |
| B10 | Sigma | 4.0 6 | 1.4 7 | | | Activation | 4 | PR 112 1264 | Nov58 | LAS | Wyman. |
| B10 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Nuc Emulsion | 1 | JPJ 14 554 | May59 | KON | Sakisaka,M. |
| B10 | Sigma | 1.3 6 | 8.2 6 | | Absolute | Ion Chamber | 69 | NP 27 448 | Oct61 | RIC | Davis. |
| B10 | Sigma | 1.4 7 | 1.4 7 | | | * | 1 | NP A139 10 | Dec69 | RBZ | Antolkovic,B.+ |
| B10 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 16 | NP 54 465 | Jun64 | RBZ | Valkovic,V. |
| B10 | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 72 | NP 54 465 | Jun64 | RBZ | Valkovic,V. |
| | (n,alpha) REACTION | | | | | | | | | | |
| B10 | Sigma | 1.0 6 | 1.0 6 | | Ratio | * | 2 | NUC 13 67 | Feb55 | KJL | |
| B10 | Sigma | 2.0 4 | 4.8 6 | | σ(Thermal) | RecoilChambr | 98 | PR 108 1025 | Nov57 | RIC | Bichsel. |
| B10 | Sigma | 3.0 3 | 6.8 4 | | | Accelerator | 32 | AP 10 455 | 60 | DKB | Bilpuch. |
| B10 | Sigma | 2.2 5 | 7.9 6 | | Absolute | Ion Chamber | 265 | NP 27 448 | Oct61 | RIC | Davis. |
| B10 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Proportion C* | 1 | PHY 29 987 | Sep63 | AE | Malmskog,S. |
| B10 | Sigma | 1.1 4 | 7.7 4 | | | | 16 | ANL-6877 | Mar65 | ANL | Mooring. |
| B10 | Sigma | 1.1 4 | 2.5 5 | | Absolute | Shell Trans * | 12 | JNE 21 271 | Mar67 | ALD | Cox,S.A.+ |
| B10 | Sigma | 4.1 4 | 5.2 5 | | σ(E*E(th)) | | 15 | PR 165 1147 | Jan68 | ORL | Macklin. |
| B10 | Sigma | 3.0 4 | 3.0 4 | | σ(Total) | | 1 | PR 165 1147 | Jan68 | ORL | Macklin. |
| B10 | Sigma | 3.0 4 | 5.0 5 | | Ratio | Solidstate C | 19 | PR 165 1147 | Jan68 | ORL | Macklin. |
| B10 | Sigma | 2.9 4 | 8.2 5 | | | Proportion C | 27 | NP A125 463 | Mar69 | BNW | Bogart. |
| B10 | Sigma | 1.4 7 | 1.4 7 | | | * | 2 | NP A139 10 | Dec69 | RBZ | Antolkovic,B.+ |
| B10 | Sigma | 1.0 1 | 7.4 4 | | Ratio | TimeOfFlight* | 86 | JNE 24 323 | Oct70 | HAR | Sowerby,M.G.+ |
| B10 | Ang Distrib | 1.4 7 | 1.4 7 | | | * | 17 | NP A139 10 | Dec69 | RBZ | Antolkovic,B.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| B10 | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | PR 119 1291 | Aug60 | COL | Safford. |
| B10 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | JNE 17 83 | Feb63 | MOL | Presdocimi. |
| B10 | Sigma | 1.1 4 | 5.0 5 | | Absolute | Accelerator | 109 | NP 82 16 | Jul66 | ANL | Mooring. |
| B10 | Sigma | 7.6 1 | 4.8 5 | | | Total | 77 | AERE/R-5224 | Feb67 | HAR | Diment,K.M. |
| B10 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight* | 2 | JNE 21 373 | Apr67 | GEL | Debus. |
| | NONELASTIC SCATT | | | | | | | | | | |
| B10 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| B10 | Sigma | 2.0 6 | 4.8 6 | | | TimeOfFlight* | 7 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| B10 | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 10 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| B10 | Sigma | 2.0 4 | 3.4 6 | | Absolute | Accelerator | 197 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| B10 | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| B10 | Sigma | 1.4 7 | 1.8 7 | | Absolute | Accelerator | 8 | PR 94 651 | May54 | RIC | Cook. |
| B10 | Sigma | 2.8 6 | 9.7 6 | | Absolute | Ion Chamber | 26 | LA-1655 | Jul54 | LAS | Nereson. |
| B10 | Sigma | 4.4 6 | 8.6 6 | | Absolute | Accelerator | 66 | PR 102 1384 | Jun56 | WIS | Becker. |
| B10 | Sigma | 3.0 3 | 8.2 4 | | Absolute | Accelerator | 41 | AP 10 455 | 60 | DKB | Bilpuch. |
| B10 | Sigma | 1.8 -2 | 4.0 -2 | | Absolute | TimeOfFlight | 83 | NP 17 109 | Jun60 | ORL | Schmitt,H.W.+ |
| B10 | Sigma | 4.6 -3 | 1.0 -1 | | Absolute | Crystal Spec | 10 | PR 119 1291 | Aug60 | COL | Safford. |
| B10 | Sigma | 3.3 6 | 1.5 7 | | Absolute | Accelerator | 138 | PR 123 209 | Jul61 | WIS | Fossan. |
| B10 | Sigma | 6.0 -3 | 8.2 -2 | | Absolute | TimeOfFlight | 50 | JNE 17 83 | Feb63 | MOL | Presdocimi. |
| B10 | Sigma | 3.2 6 | 5.1 6 | | Absolute | Transmission | 59 | TSUKADA 63K | Nov63 | JAE | Tsukada,K.+ |
| B10 | Sigma | 1.1 4 | 5.0 5 | | Absolute | Accelerator | 107 | NP 82 16 | Jul66 | ANL | Mooring. |
| B10 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Extrapolatn | 1 | AERE/R-5224 | Feb67 | HAR | Diment,K.M. |
| B10 | Sigma | 7.5 1 | 9.5 5 | | Absolute | TimeOfFlight | 2620 | AERE/R-5224 | Feb67 | HAR | Diment,K.M. |
| B10 | Sigma | 9.7 6 | 9.7 6 | | H(n,n) | TimeOfFlight* | 1 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| B10 | Sigma | 2.0 6 | 4.8 6 | | | TimeOfFlight* | 7 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| | n-WIDTH | | | | | | | | | | |
| B10 | Γ(n) | 5.2 5 | 5.2 5 | | | | 1 | PR 114 569 | Apr59 | ORL | Gibbons. |
| | alpha-WIDTH | | | | | | | | | | |
| B10 | Γ(alpha) | 5.2 5 | 5.2 5 | | | | 1 | PR 114 569 | Apr59 | ORL | Gibbons. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH | | | | | | | | | | | | |
| $B^{10}$ | Γ | 1.9 | 6 | 1.9 | 6 | | | | 1 | PR 83 1148 | Sep51 | WIS | Petree. |
| $B^{10}$ | Γ | 5.3 | 5 | 4.1 | 6 | | | | 4 | PR 108 1025 | Nov57 | RIC | Bichsel. |
| $B^{10}$ | Γ | 1.9 | 6 | 3.3 | 6 | | | | 2 | PR 117 1330 | Mar60 | LAS | Day,R.B.+ |
| $B^{10}$ | Γ | 4.3 | 6 | 4.3 | 6 | | | | 1 | PR 123 209 | Jul61 | WIS | Possan. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $B^{10}$ | Resonance Energy | 2.6 | 6 | 4.7 | 6 | | | | 3 | PR 117 1330 | Mar60 | LAS | Day,R.B.+ |
| $B^{10}$ | Resonance Energy | 5.8 | 6 | 6.2 | 6 | | | | 2 | PR 123 209 | Jul61 | WIS | Possan. |
| $B^{10}$ | Spin of Reson | 4.3 | 6 | 4.3 | 6 | | | | 1 | PR 123 209 | Jul61 | WIS | Possan. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $B^{11}$ | Sigma | 1.4 | 5 | 2.3 | 6 | | $I^{127}$ | Count Telesc | 42 | PR 125 1334 | Feb62 | LOK | Imhof. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $B^{11}$ | Sigma | 7.5 | 6 | 7.5 | 6 | | | Diff Sig Int | 1 | HOPKINS 69A | Jan69 | LAS | Hopkins. |
| $B^{11}$ | Sigma | 9.7 | 6 | 9.7 | 6 | | H(n,n) | TimeOfFlight* | 1 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| $B^{11}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | Absolute | TimeOfFlight | 1 | NP A147 657 | Jun70 | LAU | Alder,G.C.+ |
| $B^{11}$ | Sigma | 2.0 | 6 | 4.8 | 6 | | H(n,n) | TimeOfFlight* | 7 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| $B^{11}$ | Ang Distrib | 7.5 | 6 | 7.5 | 6 | | | TimeOfFlight | 11 | HOPKINS 69A | Jan69 | LAS | Hopkins. |
| $B^{11}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 16 | EANDC/J- 13 29 | Aug69 | KYU | Hyakutake,M.+ |
| $B^{11}$ | Ang Distrib | 9.7 | 6 | 9.7 | 6 | | H(n,n) | TimeOfFlight* | 9 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| $B^{11}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 14 | NP A147 657 | Jun70 | LAU | Alder,G.C.+ |
| $B^{11}$ | Ang Distrib | 2.0 | 6 | 4.8 | 6 | | H(n,n) | TimeOfFlight* | 70 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| $B^{11}$ | Sigma | 7.5 | 6 | 7.5 | 6 | | | Diff Sig Int | 2 | HOPKINS 69A | Jan69 | LAS | Hopkins. |
| $B^{11}$ | Sigma | 9.7 | 6 | 9.7 | 6 | | H(n,n) | TimeOfFlight* | 5 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| $B^{11}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | Absolute | TimeOfFlight | 7 | NP A147 657 | Jun70 | LAU | Alder,G.C.+ |
| $B^{11}$ | Sigma | 3.2 | 6 | 4.8 | 6 | | H(n,n) | TimeOfFlight* | 5 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| $B^{11}$ | Ang Distrib | 7.5 | 6 | 7.5 | 6 | | | TimeOfFlight | 22 | HOPKINS 69A | Jan69 | LAS | Hopkins. |
| $B^{11}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 60 | EANDC/J- 13 29 | Aug69 | KYU | Hyakutake,M.+ |
| $B^{11}$ | Ang Distrib | 9.7 | 6 | 9.7 | 6 | | H(n,n) | TimeOfFlight* | 32 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| $B^{11}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 84 | NP A147 657 | Jun70 | LAU | Alder,G.C.+ |
| $B^{11}$ | Ang Distrib | 3.2 | 6 | 4.8 | 6 | | H(n,n) | TimeOfFlight* | 50 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $B^{11}$ | Sigma | 2.4 | 6 | 3.1 | 6 | | | CrystalScint | 15 | AP 12 485 | 61 | LAS | Lind. |
| $B^{11}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 1 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| $B^{11}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | ACR 20 214 | 66 | AUA | Craven. |
| $B^{11}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | PR 146 660 | Jun66 | LRL | Donaldson,R.E.+ |
| $B^{11}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | | 1 | ACR 20 214 | 66 | AUA | Craven. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $B^{11}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | Activation | 1 | PRL 1 23 | Jul58 | ARK | Nurmia. |
| $B^{11}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,p) | Activation | 1 | KAPL-2000 15 | Oct61 | KAP | Miller. |
| $B^{11}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| $B^{11}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | OAW 176 45 | Mar67 | IRK | Plesch,P.+ |
| $B^{11}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | JNE 21 893 | Dec67 | STL | Naude,W.J.+ |
| | (n,t) REACTION | | | | | | | | | | | | |
| $B^{11}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | PR 112 1264 | Nov58 | LAS | Wyman. |
| $B^{11}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc* | 6 | NP A156 193 | Nov70 | RBZ | Miljanic,D.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $B^{11}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | | Nuc Emulsion | 9 | PR 103 335 | Jul56 | LAS | Armstrong,A.H. |
| $B^{11}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | Activation | 1 | PRL 1 23 | Jul58 | ARK | Nurmia. |
| $B^{11}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Nuc Emulsion | 1 | JPJ 14 554 | May59 | KON | Sakisaka,M. |
| $B^{11}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Chlorine | Activation | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| $B^{11}$ | Sigma | 1.6 | 7 | 1.9 | 7 | | Absolute | Activation * | 18 | SCOBEL 70A | Jan70 | HAM | Scobel,W.+ |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| $B^{11}$ | Sigma | 2.0 | 6 | 4.8 | 6 | | | TimeOfFlight* | 7 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $B^{11}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $B^{11}$ | Sigma | 1.4 | 7 | 1.8 | 7 | | Absolute | Accelerator | 8 | PR 94 651 | May54 | RIC | Cook. |
| $B^{11}$ | Sigma | 1.3 | 4 | 5.0 | 5 | | Absolute | Accelerator | 52 | NP 82 16 | Jul66 | ANL | Mooring. |
| $B^{11}$ | Sigma | 9.7 | 6 | 9.7 | 6 | | H(n,n) | TimeOfFlight* | 1 | NP A146 417 | May70 | ALD | Cookson,J.A.+ |
| $B^{11}$ | Sigma | 2.0 | 6 | 4.8 | 6 | | | TimeOfFlight* | 7 | AWRE/O/70- 45 | Aug70 | ALD | Porter,D.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $B^{11}$ | Γ(γ) | 4.3 | 5 | 1.8 | 6 | | | | 4 | PR 125 1334 | Feb62 | LOK | Imhof. |
| $B^{11}$ | Γ(γ) | 4.3 | 5 | 1.8 | 6 | | | | 4 | ANL-6877 | Mar65 | ANL | Mooring. |
| $B^{11}$ | Γ(γ) | 2.3 | 4 | 2.3 | 4 | | Ratio | | 1 | ANL-6877 | Mar65 | ANL | Mooring. |
| | n-WIDTH | | | | | | | | | | | | |
| $B^{11}$ | Γ(n) | 2.3 | 4 | 1.8 | 6 | | | | 4 | ANL-6877 | Mar65 | ANL | Mooring. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $B^{11}$ | Γ | 4.3 | 5 | 2.6 | 6 | | | | 5 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| $B^{11}$ | Γ | 3.5 | 6 | 9.7 | 6 | | | | 13 | PR 123 209 | Jul61 | WIS | Possan. |
| $B^{11}$ | Γ | 5.3 | 5 | 4.1 | 6 | | | | 5 | NP 27 448 | Oct61 | RIC | Davis. |
| $B^{11}$ | Γ | 1.0 | 6 | 1.0 | 6 | | | | 1 | PR 125 1334 | Feb62 | LOK | Imhof. |
| $B^{11}$ | Γ | 2.0 | 4 | 2.0 | 4 | | | | 1 | RAP 9 434 | Apr64 | ANL | Mooring. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $B^{11}$ | Resonance Energy | 5.7 | 6 | 6.4 | 6 | | | | 2 | NP 27 448 | Oct61 | RIC | Davis. |
| $B^{11}$ | Resonance Energy | 2.1 | 0 | 5.0 | 0 | | | | 3 | ANL-7091 16 | Mar65 | ANL | Bollinger,L.M.+ |
| $B^{11}$ | Spin of Reson | 4.3 | 5 | 2.6 | 6 | | | | 5 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| $B^{11}$ | Spin of Reson | 4.3 | 5 | 1.8 | 6 | | | | 2 | PR 98 669 | May55 | ORL | Willard,H.B.+ |
| $B^{11}$ | Spin of Reson | 3.5 | 6 | 9.7 | 6 | | | | 12 | PR 123 209 | Jul61 | WIS | Possan. |
| $B^{11}$ | Spin of Reson | 1.0 | 6 | 1.0 | 6 | | | | 1 | PR 125 1334 | Feb62 | LOK | Imhof. |
| $B^{11}$ | Spin of Reson | 2.3 | 4 | 1.8 | 6 | | | | 5 | ANL-6877 | Mar65 | ANL | Mooring. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| C | Sigma | 6.5 | 4 | 1.7 | 5 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| C | Sigma | 3.0 | 4 | 3.0 | 4 | S | Indium | Scint Tank | 1 | PR 122 182 | Apr61 | ORL | Gibbons. |
| C | Sigma | 3.0 | 4 | 3.0 | 4 | | Indium | Scint Tank | 1 | PR 129 2695 | Mar63 | ORL | Macklin. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | Crystal Spec | 5 | YF 3 861 | May66 | CCP | Bezotosnyi,V.M.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | γ-Spectromet | 1 | AE 24 573 | Jun68 | CCP | Maslov. |
| C | Sigma | 5.8 | 6 | 7.5 | 6 | | | γ-Spectromet | 7 | NSE 40 294 | May70 | LAS | Drake. |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 8 | BAP 9 653 | Oct64 | TNC | Morgan. |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | γ-Spectromet | 7 | USNRDL- 791 | Oct64 | NRD | Ferguson,J.M.+ |
| C | Ang Distrib | 5.8 | 6 | 7.5 | 6 | | | γ-Spectromet | 34 | NSE 40 294 | May70 | LAS | Drake. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| C | Sigma | 4.1 | 6 | 4.1 | 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | PR 110 1439 | Jun58 | LRL | Nakada,M.P.+ |
| C | Sigma | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| C | Sigma | 4.2 | 6 | 7.6 | 6 | | H(n,n) | Diff Sig Int | 3 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| C | Sigma | 6.0 | 6 | 7.0 | 6 | | | Diff Sig Int | 3 | BAP 4 358 | Aug59 | LAS | Haddad,E.+ |
| C | Sigma | 5.0 | 9 | 5.0 | 9 | C | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | NP 37 412 | Sep62 | THA | Tesch,K. |
| C | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Diff Sig Int | 1 | NP 43 628 | Jun63 | GRE | Bouchez,R.+ |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Diff Sig Int | 1 | CEA/R-2407 64 | | GRE | Szabo,I. |
| C | Sigma | 5.0 | 5 | 5.0 | 5 | | | Diff Sig Int | 1 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Diff Sig Int | 1 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C | Sigma | 4.0 | 6 | 4.0 | 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| C | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 2 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| C | Sigma | 3.4 | 1 | 6.1 | 1 | | | | 2 | EANDC/E- 57 21 | Feb65 | MUN | Triftshauser. |
| C | Sigma | 6.0 | 6 | 6.0 | 6 | | σ(Total) | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| C | Sigma | 4.6 | 6 | 8.6 | 6 | | H(n,n) | TimeOfFlight* | 13 | ORNL-4441 | Dec69 | ORL | Perey,F.G.+ |
| C | Sigma | 5.0 | 6 | 5.6 | 6 | | H(n,n) | TimeOfFlight | 2 | BAP 15 86 | Jan70 | CSE | Lindow. |
| C | Ang Distrib | 3.0 | 8 | 3.0 | 8 | | | Ring Geomtry | 12 | UCRL- 1938 | Aug52 | BRK | Ball,W.P. |
| C | Ang Distrib | 2.4 | 6 | 3.6 | 6 | | σ(Total) | Biased Scint | 81 | HPA 27 577 | Dec54 | ETH | Meier,R.W.+ |
| C | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 1 | PR 98 582 | May55 | WES | Jennings,B.+ |
| C | Ang Distrib | 2.7 | 6 | 2.7 | 6 | | σ(Total) | Ring Geomtry | 9 | PR 98 634 | May55 | TEX | Little,R.N.+ |
| C | Ang Distrib | 5.5 | 5 | 1.5 | 6 | | | Proportion C | 25 | PR 98 669 | May55 | ORL | Willard,H.B.+ |
| C | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | Biased Scint | 11 | PR 98 677 | May55 | LAS | Walt,M.+ |
| C | Ang Distrib | 1.4 | 8 | 1.4 | 8 | | | Liquid Scint | 13 | PM 1 1003 | 56 | OXF | Van Zyl. |
| C | Ang Distrib | 1.7 | 6 | 1.7 | 6 | | σ(Total) | Biased Scint | 10 | PR 103 720 | Aug56 | BNL | Muehlhouse. |
| C | Ang Distrib | 7.0 | 6 | 7.0 | 6 | | | Proportion C | 8 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 16 | DOK 113 553 | 57 | CCP | Khaletskii. |
| C | Ang Distrib | 3.5 | 8 | 3.5 | 8 | | | Count Telesc | 9 | PPS 71 552 | 58 | LVP | Ashmore. |
| C | Ang Distrib | 2.5 | 6 | 4.1 | 6 | | | | 72 | PR 109 891 | Feb58 | ORL | Wills. |
| C | Ang Distrib | 1.4 | 6 | 2.3 | 6 | | | Proportion C | 35 | PR 109 891 | Feb58 | ORL | Wills. |
| C | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | | Biased Scint | 13 | PR 109 2105 | Mar58 | WES | Hill. |
| C | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | | Ring Geomtry | 6 | PR 109 2105 | Mar58 | WES | Hill. |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 20 | PR 110 1439 | Jun58 | LRL | Nakada,M.P.+ |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 11 | PR 111 250 | Jul58 | LAS | Coon. |
| C | Ang Distrib | 4.2 | 6 | 4.7 | 6 | | H(n,n) | Biased Scint | 26 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| C | Ang Distrib | 7.6 | 6 | 7.6 | 6 | | σ(Tot-React) | Biased Scint | 9 | WADC/TR/59-107 | Feb59 | TNC | Bostrom. |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 10 | PR 114 1595 | Jun59 | NWU | Singletary. |
| C | Ang Distrib | 2.8 | 6 | 3.0 | 6 | | H(n,n) | Ring Geomtry | 56 | JPJ 14 699 | Jul59 | YOK | Hosoe,M.+ |
| C | Ang Distrib | 6.0 | 6 | 7.0 | 6 | | | Biased Scint | 30 | BAP 4 358 | Aug59 | LAS | Haddad,E.+ |
| C | Ang Distrib | 5.6 | 6 | 5.6 | 6 | | | Biased Scint | 9 | PR 118 808 | May60 | CON | Braley. |
| C | Ang Distrib | 9.6 | 7 | 9.6 | 7 | | | Biased Scint | 7 | NP 21 15 | Nov60 | OXF | Salmon,G.L. |
| C | Ang Distrib | 9.6 | 7 | 9.6 | 7 | | Absolute | Scint Tank | 7 | NP 21 15 | Nov60 | OXF | Salmon,G.L. |
| C | Ang Distrib | 7.1 | 5 | 9.0 | 5 | | σ(Tot-React) | TimeOfFlight | 10 | BAP 6 61 | Feb61 | CSE | Rogers,W.L.+ |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 26 | ZET 41 313 | Aug61 | UKR | Strizhak,V.I.+ |
| C | Ang Distrib | 2.8 | 7 | 2.8 | 7 | | | CrystalScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| C | Ang Distrib | 6.0 | 6 | 6.0 | 6 | S | | TimeOfFlight | 14 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 12 | NP 37 412 | Sep62 | THA | Tesch,K. |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | TimeOfFlight | 15 | NP 43 628 | Jun63 | GRE | Bouchez,R.+ |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 15 | CEA/R-2382 64 | | GRE | Perrin,P. |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 18 | CEA/R-2407 64 | | GRE | Szabo,I. |
| C | Ang Distrib | 5.0 | 5 | 5.0 | 5 | | | Threshold C | 8 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 21 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | Absolute | TimeOfFlight | 21 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C | Ang Distrib | 4.0 | 6 | 4.0 | 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| C | Ang Distrib | 6.0 | 6 | 6.0 | 6 | | σ(Total) | TimeOfFlight | 14 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | TimeOfFlight* | 6 | KUIJPER 65L | Dec65 | NED | Kuijper,P. |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 18 | BOUCHEZ 66C 1 | Mar66 | GRE | Bouchez,R. |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 10 | BONAZZOLA 66D | Apr66 | TUR | Bonazzola,G.C.+ |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 16 | PR 144 854 | Apr66 | OHO | Frasca,A.J.+ |
| C | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | σ(Tot-React) | TimeOfFlight | 6 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| C | Ang Distrib | 4.6 | 6 | 8.6 | 6 | | H(n,n) | TimeOfFlight* | 265 | ORNL-4441 | Dec69 | ORL | Perey,F.G.+ |
| C | Ang Distrib | 5.0 | 6 | 5.6 | 6 | | H(n,n) | TimeOfFlight | 21 | BAP 15 86 | Jan70 | CSE | Lindow. |
| C | Ang Distrib | 5.0 | 5 | 2.0 | 6 | | H(n,n) | TimeOfFlight* | 427 | 70HELSNK/I- 177 | Jun70 | GEL | Ahmed,N.+ |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | TimeOfFlight* | 12 | NP A161 354 | Feb71 | AMS | Spaargaren,D.+ |
| C | Polarizat n-out | 3.3 | 6 | 3.3 | 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| C | Sigma | 6.0 | 6 | 7.0 | 6 | | | Diff Sig Int | 3 | BAP 4 358 | Aug59 | LAS | Haddad,E.+ |
| C | Sigma | 8.3 | 9 | 8.3 | 9 | | | Count Telesc | 1 | ZET 42 909 | Mar62 | DUB | Pantuev. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Diff Sig Int | 1 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C | Sigma | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 2 | 68WASH- 225 | Mar68 | LRL | Hansen. |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 16 | PR 111 572 | Jul58 | LAS | Anderson. |
| C | Ang Distrib | 6.0 | 6 | 7.0 | 6 | | | Biased Scint | 29 | BAP 4 358 | Aug59 | LAS | Haddad,E.+ |
| C | Ang Distrib | 6.0 | 6 | 6.0 | 6 | S | | TimeOfFlight | 13 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 12 | NP 37 412 | Sep62 | GER | Tesch,K. |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 18 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | Absolute | TimeOfFlight | 17 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C | Ang Distrib | 6.0 | 6 | 6.0 | 6 | | | TimeOfFlight | 13 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | TimeOfFlight | 18 | KUIJPER 65L | Dec65 | NED | Kuijper,P. |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | TimeOfFlight* | 12 | NP A161 354 | Feb71 | AMS | Spaargaren,D.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 5 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| C | Sigma | 6.6 | 6 | 6.6 | 6 | | Absolute | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| C | Sigma | 6.6 | 6 | 6.6 | 6 | N | | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| C | Sigma | 1.6 | 7 | 1.6 | 7 | | | | 2 | INDSWG- 74 7 | Oct65 | OBN | Broder,D.L.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| C | Sigma | 5.0 | 4 | 2.3 | 6 | | | Diff Sig Int | 32 | AP 12 135 | Feb61 | ANL | Lane. |
| C | Sigma | 2.0 | 6 | 2.2 | 6 | | Metast/Grnd | Diff Sig Int | 32 | AP 12 135 | Feb61 | ANL | Lane. |
| C | Ang Distrib | 3.0 | 4 | 1.8 | 6 | | Carbon | ModeratrTank | 370 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| C | Ang Distrib | 5.0 | 4 | 2.3 | 6 | | Carbon | ModeratrTank | 256 | AP 12 135 | Feb61 | ANL | Lane. |
| C | Ang Distrib | 1.4 | 6 | 2.3 | 6 | | Metast/Grnd | ModeratrTank | 336 | AP 12 135 | Feb61 | ANL | Lane. |
| C | Ang Distrib | 5.0 | 9 | 5.0 | 9 | | | Count Telesc | 7 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| C | Ang Distrib | 8.3 | 9 | 8.3 | 9 | | | Count Telesc | 5 | ZET 42 909 | Mar62 | CCP | Pantuev. |
| C | Legendre Fit | 5.0 | 4 | 2.3 | 6 | | | ModeratrTank | 128 | AP 12 135 | Feb61 | ANL | Lane. |
| C | Legendre Fit | 2.0 | 6 | 2.2 | 6 | | Metast/Grnd | ModeratrTank | 224 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| C | σ(Coherent) | 7.3 | -2 | 7.3 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| C | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| C | σ(Free Atom) | 1.4 | 0 | 1.4 | 0 | | | | 1 | ORNL-1164 34 | 51 | ORL | Rayburn. |
| C | σ(Free Atom) | 2.5 | -2 | 2.5 | -2 | | | | 1 | RMP 39 546 | Jul67 | HRV | Houk. |
| C | Scatt Amplitude | 7.3 | -2 | 7.3 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| C | Scatt Amplitude | 1.3 | 2 | 1.3 | 2 | | Absolute | Transmission* | 1 | ZN A 26 442 | Mar71 | MUN | Dilg,W.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| C | Sigma | 2.4 | 7 | 2.7 | 7 | | | Activation | 3 | PR 88 618 | Nov52 | LAS | Brolley. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| C | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | BNL- 489 21 | Nov57 | ANL | Muehlhause. |
| C | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | BNL- 489 21 | Nov57 | ANL | Muehlhause. |
| C | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pile Oscilat | 1 | BNL- 489 97 | Nov57 | PR | Koechlin. |
| C | Sigma | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | WIRTZ 58 | 58 | KFK | Wirtz. |
| C | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | 58GENEVA/12-695 | Sep58 | BNL | Hendrie. |
| C | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | ReactivityCo | 7 | NSE 7 395 | 60 | HAN | Nichols. |
| C | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | BNL- 719 1034 | 62 | BNL | Starr. |
| C | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | JNE 17 347 | 63 | SAC | Sagot. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 88 600 | Nov52 | LAS | Phillips,D.D.+ |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| C | Sigma | 4.1 | 6 | 4.1 | 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| C | Sigma | 4.0 | 6 | 4.0 | 6 | | | Shell Trans | 1 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| C | Sigma | 1.3 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 2 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| C | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| C | Sigma | 5.5 | 7 | 1.4 | 8 | | | Scint Tank | 4 | PRS 236 41 | 56 | OKP | Voss,R.G.P.+ |
| C | Sigma | 2.5 | 6 | 7.0 | 6 | | Absolute | Shell Trans | 2 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | AE 4 191 | 58 | CCP | Gorbachev. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 1 | PR 110 1392 | Jun58 | LRL | Ball,W.P.+ |
| C | Sigma | 2.1 | 7 | 2.9 | 7 | | | Shell Trans | 3 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| C | Sigma | 5.8 | 6 | 1.3 | 7 | | Absolute | Shell Trans | 9 | PR 112 486 | Oct58 | LRL | Macgregor. |
| C | Sigma | 2.9 | 6 | 2.9 | 6 | | | Proportion C | 1 | AE 5 565 | Dec58 | CCP | Kukhtevich,V.I.+ |
| C | Sigma | 5.0 | 9 | 5.0 | 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| C | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Shell Trans | 1 | PR 161 1181 | Sep67 | BOS | Chatterjee,A.+ |
| C | Sigma | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 1 | 68WASH- 225 | Mar68 | LRL | Hansen. |
| C | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 11 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| C | Sigma | 2.5 | 6 | 2.9 | 6 | | Absolute | Ion Chamber | 2 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| C | Sigma | 2.5 | 7 | 2.5 | 7 | | Absolute | Threshold C | 1 | PR 68 240 | Dec45 | HRV | Sherr. |
| C | Sigma | 3.5 | 5 | 6.0 | 6 | | | RecoilChambr | 20 | PR 70 583 | Nov46 | MIN | Bailey,C.L.+ |
| C | Sigma | 3.5 | 4 | 4.5 | 5 | | Absolute | Proportion C | 4 | PR 70 589 | Nov46 | LAS | Frisch,D.H. |
| C | Sigma | 8.3 | 7 | 8.3 | 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| C | Sigma | 2.2 | 5 | 4.0 | 6 | | Absolute | Accelerator | 12 | HPA 23 15 | 50 | CAV | Bretscher,E.+ |
| C | Sigma | 9.5 | 7 | 9.5 | 7 | | Absolute | Fission Det | 1 | PR 77 606 | Mar50 | BRK | Dejuren,J.+ |
| C | Sigma | 5.4 | 5 | 4.8 | 6 | | Absolute | Accelerator | 74 | PR 78 508 | Jun50 | MIN | Preier. |
| C | Sigma | 2.0 | 4 | 1.4 | 6 | | Absolute | Accelerator | 2 | PR 78 806 | Jun50 | WIS | Miller,D.W. |
| C | Sigma | 8.0 | 5 | 2.2 | 6 | | Absolute | Accelerator | 13 | MIT- 45 | Sep50 | MIT | Willard. |
| C | Sigma | 4.2 | 7 | 4.2 | 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | | Accelerator | 1 | PR 81 139 | Jan51 | CAR | Lasday. |
| C | Sigma | 1.3 | 6 | 3.3 | 6 | | Absolute | Accelerator | 122 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| C | Sigma | 4.3 | 0 | 5.5 | 2 | | | | 49 | EGELSTAFF 52 | 52 | HAR | Egelstaff. |
| C | Sigma | 1.4 | 7 | 1.5 | 7 | | Absolute | Liquid Scint | 1 | PR 87 11 | Jul52 | BNL | Poss,H.L.+ |
| C | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | PR 87 174 | Jul52 | ORL | Rayburn,L.A.+ |
| C | Sigma | 3.6 | 6 | 7.3 | 6 | | | | 127 | HENKEL 52I | Sep52 | LAS | Henkel. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| C | Sigma | 3.7 | 7 | 1.5 | 8 | | Absolute | Count Telesc | 11 | PM 44 95 | 53 | HAR | Taylor. |
| C | Sigma | 3.9 | 6 | 4.8 | 6 | | Absolute | Accelerator | 39 | PR 89 204 | Jan53 | BNL | Hafner,E.M.+ |
| C | Sigma | 2.9 | 6 | 1.4 | 7 | | Absolute | Ion Chamber | 38 | PR 89 775 | Feb53 | LAS | Nereson. |
| C | Sigma | 2.2 | 6 | 2.8 | 6 | | Absolute | Accelerator | 14 | PR 90 618 | May53 | TEX | Dvorak,H.R.+ |
| C | Sigma | 3.9 | 7 | 1.9 | 8 | | σ(E≠E(th)) | TimeOfFlight | 27 | UCRL- 2337 | Aug53 | BRK | Ragent. |
| C | Sigma | 4.0 | 7 | 1.7 | 8 | | Carbon | TimeOfFlight | 10 | UCRL- 2337 | Aug53 | BRK | Ragent. |
| C | Sigma | 1.7 | 7 | 2.0 | 7 | | Absolute | Biased Scint | 3 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| C | Sigma | 1.1 | -4 | 1.9 | -3 | | Absolute | TimeOfFlight | 38 | PALEVSKY 54 | 54 | BNL | Palevsky. |
| C | Sigma | 1.7 | 2 | 1.6 | 5 | | Absolute | Accelerator | 109 | HIBDON 54B | Feb54 | ANL | Hibdon. |
| C | Sigma | 1.4 | 7 | 1.8 | 7 | | Absolute | Accelerator | 8 | PR 94 651 | May54 | RIC | Cook. |
| C | Sigma | 1.3 | 6 | 1.3 | 6 | | Absolute | Proportion C | 1 | PR 95 1252 | Sep54 | MIT | Storrs. |
| C | Sigma | 4.8 | 7 | 8.8 | 7 | | Absolute | Liquid Scint | 2 | PR 96 115 | Oct54 | HRV | Hillman. |
| C | Sigma | 6.0 | 4 | 5.5 | 5 | | Absolute | Accelerator | 5 | PPS 68 1077 | 55 | HAR | Allen,W.D.+ |
| C | Sigma | 1.5 | 0 | 1.5 | 0 | | Absolute | Crystal Spec | 1 | SAILOR 55D | Apr55 | BNL | Sailor. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Peference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | | | |
| C | Sigma | 4.1 | 6 | 4.1 | 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| C | Sigma | 6.1 | 7 | 1.1 | 8 | | | Count Telesc | 12 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| C | Sigma | 1.3 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 2 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| C | Sigma | 4.4 | 6 | 8.6 | 6 | | Absolute | Accelerator | 96 | PR 102 1384 | Jun56 | WIS | Becker. |
| C | Sigma | 7.7 | 6 | 7.7 | 6 | S | Absolute | Accelerator | 1 | PR 102 1384 | Jun56 | WIS | Becker. |
| C | Sigma | 1.3 | 1 | 8.6 | 3 | | Absolute | TimeOfFlight | 74 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| C | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| C | Sigma | 1.3 | -3 | 1.2 | -1 | | Absolute | TimeOfFlight | 187 | JNE 5 203 | 57 | HAR | Egelstaff,P.A. |
| C | Sigma | 3.8 | 6 | 8.1 | 6 | | Absolute | Accelerator | 41 | PR 105 193 | Jan57 | NRL | Bondelid. |
| C | Sigma | 2.3 | 6 | 2.8 | 6 | | Absolute | CrystalScint | 14 | BAP 2 232 | Apr57 | TEX | Bennett. |
| C | Sigma | 8.8 | 6 | 1.5 | 7 | S | Absolute | Biased Scint | 3 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| C | Sigma | 1.4 | 7 | 1.5 | 7 | | | Biased Scint | 19 | NP 6 260 | 58 | LVN | Vervier,J.P.+ |
| C | Sigma | 1.3 | 7 | 1.6 | 7 | | | Accelerator | 6 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| C | Sigma | 7.1 | 6 | 1.4 | 7 | | Absolute | Biased Scint | 7 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| C | Sigma | 7.0 | 6 | 8.1 | 6 | | Absolute | Accelerator | 13 | NP 14 295 | Dec59 | RIC | Hall. |
| C | Sigma | 5.0 | 5 | 1.4 | 6 | | Absolute | Accelerator | 660 | PR 117 1055 | Feb60 | ANL | Huddleston. |
| C | Sigma | 1.8 | 7 | 2.9 | 7 | | Absolute | Biased Scint | 5 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| C | Sigma | 3.4 | 6 | 5.1 | 6 | | Absolute | Transmission | 83 | JPJ 15 1994 | Nov60 | JAE | Tsukada,K.+ |
| C | Sigma | 6.3 | -3 | 9.3 | -1 | | Absolute | TimeOfFlight | 163 | ANS 3 462 | Dec60 | KAP | Roesser. |
| C | Sigma | 1.6 | 7 | 1.2 | 8 | | Carbon | TimeOfFlight | 65 | NP 22 640 | Feb61 | HAR | Bowen,P.H.+ |
| C | Sigma | 1.8 | 5 | 6.9 | 5 | | Absolute | Accelerator | 103 | PR 121 1150 | Feb61 | DKE | Wilenzick. |
| C | Sigma | 3.3 | 6 | 1.6 | 7 | | Absolute | Accelerator | 218 | PR 123 209 | Jul61 | WIS | Fossan. |
| C | Sigma | 3.3 | 6 | 1.6 | 7 | S | Absolute | Accelerator | 218 | PR 123 209 | Jul61 | WIS | Fossan. |
| C | Sigma | 5.0 | 9 | 5.0 | 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| C | Sigma | 1.8 | -3 | 9.6 | 1 | | Absolute | TimeOfFlight | 163 | WALTON 61I | Sep61 | GA | Walton. |
| C | Sigma | 8.3 | 9 | 8.3 | 9 | | | Count Telesc | 1 | ZET 42 909 | Mar62 | DUB | Pantuev. |
| C | Sigma | 3.0 | 3 | 6.6 | 5 | | | Accelerator | 796 | NP 47 137 | Aug63 | DKE | Seth,K.K.+ |
| C | Sigma | 1.5 | 5 | 6.5 | 5 | | | Accelerator | 25 | NP-14137 | Aug63 | DKE | |
| C | Sigma | 1.3 | 7 | 1.7 | 7 | | Absolute | Transmission | 27 | TSUKADA 63K | Nov63 | JAE | Tsukada,K.+ |
| C | Sigma | 2.8 | 6 | 2.8 | 6 | | Absolute | Coincidences | 1 | CEA/R-2399 | 64 | SAC | Ambrosino,G.+ |
| C | Sigma | 5.0 | 0 | 1.0 | 3 | | Absolute | TimeOfFlight | 56 | NIM 30 293 | 64 | MTR | Simpson. |
| C | Sigma | 7.0 | 6 | 1.4 | 7 | | Absolute | Accelerator | 95 | NP 59 583 | Nov64 | HAR | Manero,F.+ |
| C | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 2 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| C | Sigma | 7.5 | 5 | 8.5 | 5 | | | AverageTrans | 5 | EANDC/E- 57 163 | Feb65 | SAC | Ambrosino,G.+ |
| C | Sigma | 6.1 | 5 | 7.2 | 5 | | Absolute | AverageTrans | 4 | EANDC/E- 57 163 | Feb65 | SAC | Ambrosino,G.+ |
| C | Sigma | 6.3 | 8 | 6.3 | 8 | | | Coincidences | 1 | YF 1 271 | Feb65 | DUB | Kazarinov. |
| C | Sigma | 2.6 | 6 | 2.8 | 6 | | | | 9 | CR 260 3045 | Mar65 | SAC | Sorriaux,A. |
| C | Sigma | 2.0 | 7 | 3.0 | 7 | | Absolute | Accelerator | 9 | ORNL-3778 94 | Mar65 | ORL | Willard,H.B.+ |
| C | Sigma | 1.8 | 7 | 2.1 | 7 | | Absolute | Accelerator | 24 | NP 67 249 | May65 | ORL | Harlow,M.V.+ |
| C | Sigma | 1.3 | 7 | 1.8 | 7 | | Absolute | Accelerator | 25 | NP 67 249 | May65 | TEX | Harlow,M.V.+ |
| C | Sigma | 1.8 | 7 | 2.0 | 7 | S | Absolute | Accelerator | 24 | NP 67 249 | May65 | TEX | Harlow,M.V.+ |
| C | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | | 546 | WASH-1068 9 | Mar66 | ANL | Meadows,J.W.+ |
| C | Sigma | 7.5 | 5 | 5.0 | 7 | | Absolute | TimeOfFlight | 931 | 66WASH- 690 | Mar66 | RPI | Yergin. |
| C | Sigma | 1.3 | 4 | 5.0 | 5 | | Absolute | Accelerator | 55 | NP 82 16 | Jul66 | ANL | Mooring. |
| C | Sigma | 8.8 | 7 | 1.5 | 8 | | | PlasticScint | 7 | NP 85 129 | Sep66 | HRV | Measday,D.F.+ |
| C | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 245 | FOSTER 67E | May67 | BNW | Foster. |
| C | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | NSE 31 341 | Feb68 | TRI | Guarrini,F.+ |
| C | Sigma | 7.4 | 1 | 1.5 | 6 | | Absolute | TimeOfFlight | 87 | EANDC/UK- 94 | Mar68 | HAR | Diment,K.M.+ |
| C | Sigma | 7.3 | 5 | 4.4 | 6 | S | | TimeOfFlight* | 870 | 68WASH- 771 | Mar68 | NBS | Schwartz,R.B.+ |
| C | Sigma | 6.7 | 5 | 3.2 | 7 | | Absolute | TimeOfFlight* | 4303 | KFK-1000 | Jun68 | KFK | Cierjacks,S.+ |
| C | Sigma | 2.7 | 10 | 2.7 | 10 | | | | 1 | PL B 27 328 | Aug68 | MHG | Jones. |
| C | Sigma | 5.2 | 6 | 6.2 | 6 | | Absolute | Transmission* | 28 | CHP 6 74 | Oct68 | THU | Chao-Yie Yang.+ |
| C | Sigma | 8.3 | -4 | 1.2 | -1 | | Absolute | Transmission | 163 | NST 5 649 | Dec68 | JAE | Iizumi,M.+ |
| C | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Transmission | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| C | Sigma | 5.7 | 9 | 5.7 | 9 | | Absolute | Transmission* | 1 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.F.+ |
| C | Sigma | 4.9 | 5 | 1.5 | 7 | P | Absolute | TimeOfFlight* | 3362 | SCHWARTZ 70B | Feb70 | NBS | Schwartz,R.B. |
| C | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| C | Sigma | 1.6 | 5 | 1.2 | 6 | | Absolute | CrystalScint* | 21 | 70HELSNK/II- 31 | Jun70 | BRC | Cabe,J.+ |
| C | Sigma | 6.5 | 5 | 1.6 | 6 | | Absolute | TimeOfFlight* | 456 | NSE 41 351 | Sep70 | ANL | Meadows,J.W.+ |
| C | Sigma | 8.9 | 5 | 3.0 | 7 | | Absolute | TimeOfFlight* | 1800 | BAP 15 1668 | Dec70 | RPI | Stoler,P.+ |
| C | Sigma | 1.3 | 2 | 1.3 | 2 | | Absolute | Transmission* | 1 | ZN A 26 442 | Mar71 | MUN | Dilg,W.+ |
| C | Sigma | 1.1 | 4 | 2.5 | 5 | | Absolute | Transmission | 24 | NISHIMURA 71I | Sep71 | JAE | Nishimura,K.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| C | Γ | 2.8 | 6 | 2.8 | 6 | | | AreaAnalysis | 1 | BAP 15 567 | Apr70 | NBS | Schwartz. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| C | Resonance Energy | 2.1 | 6 | 6.3 | 6 | | | | 4 | BAP 15 567 | Apr70 | NBS | Schwartz. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| C | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 1 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| C12 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | BNL- 489 19 | Nov57 | ANL | Hennig. |
| C12 | Sigma | 2.5 | -2 | 2.5 | -2 | | | CaptureGamma | 1 | ANL-6797 236 | 63 | LAS | Jurney. |
| C12 | Spectrum | 2.5 | -2 | 2.5 | -2 | | | | 3 | HPA 34 483 | Aug61 | ETH | Jarczyk. |
| C12 | Spectrum | 2.5 | -2 | 2.5 | -2 | | Ratio | Ge(Li)Detect | 3 | NIM 56 325 | Nov67 | ANL | Thomas,G.E.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| C12 | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | TimeOfFlight | 1 | NP 43 628 | Jun63 | GRE | Bouchez,R.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Diff Sig Int | 1 | CEA/R-2407 | 64 | GRE | Szabo,I. |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Diff Sig Int | 1 | EANDC/J- 1 24 | Jul65 | KYU | Yoshimura,A.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Diff Sig Int | 1 | BOUCHEZ 66C 2 | Mar66 | GRE | Bouchez,R.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | C | Absolute | | 1 | HPA 40 693 | Oct67 | LAU | Joseph,C.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | TimeOfFlight | 1 | HPA 42 990 | Dec69 | LAU | Grin,G.A.+ |
| C12 | Ang Distrib | 2.8 | 7 | 2.8 | 7 | | | ElasticScint | 1 | JPP 22 652 | Oct61 | LVN | Deconninck,G.+ |
| C12 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | TimeOfFlight | 15 | NP 43 628 | Jun63 | GRE | Bouchez,R.+ |
| C12 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | TimeOfFlight | 15 | CEA/R-2382 | 64 | GRE | Perrin,P. |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 19 | CEA/R-2407 | 64 | GRE | Szabo,I. |
| C12 | Ang Distrib | 4.0 | 6 | 4.0 | 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 13 | EANDC/J- 1 24 | Jul65 | KYU | Yoshimura,A.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 19 | BOUCHEZ 66C 2 | Mar66 | GRE | Bouchez,R.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 10 | BONAZZOLA 66D | Apr66 | TUR | Bonazzola,G.C.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 12 | HPA 40 693 | Oct67 | LAU | Joseph,C.+ |
| C12 | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | σ(Tot-React) | TimeOfFlight | 5 | COO/1573- 33 | Nov67 | CSE | Rodgers. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ELASTIC SCATTERING (CONTINUED) | | | | | | | | | | | | |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | TimeOfFlight | 8 | HPA 42 990 | Dec69 | LAU | Grin,G.A.+ |
| C12 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | TimeOfFlight | 16 | ARAI 71L | Dec71 | TIT | Arai,E. |
| C12 | Legendre Fit | 3.1 | 6 | 4.7 | 6 | | | | 497 | PR 143 745 | Mar66 | COL | Lister. |
| | INEL SCATTERING | | | | | | | | | | | | |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | PR 111 572 | Jul58 | LAS | Anderson. |
| C12 | Sigma | 6.0 | 6 | 7.0 | 6 | | | Diff Sig Int | 3 | BAP 4 358 | Aug59 | LAS | Haddad,E.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Diff Sig Int | 2 | CEA/R-2407 64 | | GRE | Szabo,I. |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Diff Sig Int | 2 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Diff Sig Int | 2 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 1 | NP 60 349 | Nov64 | GLS | Stewart,D.T.+ |
| C12 | Sigma | 6.0 | 6 | 6.0 | 6 | | σ(Total) | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Diff Sig Int | 3 | EANDC/J- 1 24 | Jul65 | KYU | Yoshimura,A.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Diff Sig Int | 3 | BOUCHEZ 66C 2 | Mar66 | GRE | Bouchez,R.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Diff Sig Int | 3 | HPA 40 693 | Oct67 | LAU | Joseph,C.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | TimeOfFlight | 10 | HPA 42 990 | Dec69 | LAU | Grin,G.A.+ |
| C12 | Sigma | 6.0 | 6 | 8.6 | 6 | | H(n,n) | TimeOfFlight* | 9 | ORNL-4441 | Dec69 | ORL | Perey,F.G.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 16 | PR 111 572 | Jul58 | LAS | Anderson. |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 27 | PR 114 1595 | Jun59 | NWU | Singletary. |
| C12 | Ang Distrib | 6.0 | 6 | 7.0 | 6 | | | Biased Scint | 30 | BAP 4 358 | Aug59 | LAS | Haddad,E.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Biased Scint | 14 | JPR 21 380 | May60 | FR | Heyman,M.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 13 | ZET 41 24 | Jul61 | UKR | Boby'r. |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | 11 | DEUCHERS 61J | Oct61 | ALD | Deuchers. |
| C12 | Ang Distrib | 6.0 | 6 | 6.0 | 6 | S | | TimeOfFlight | 13 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 12 | NP 37 412 | Sep62 | THA | Tesch,K. |
| C12 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | Coincidences | 8 | NP 38 322 | Oct62 | NED | Rethmeier,J.+ |
| C12 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 19 | NP 43 628 | Jun63 | GRE | Bouchez,R.+ |
| C12 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | TimeOfFlight | 15 | NP 43 628 | Jun63 | GRE | Bouchez,R.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Another Reac | TimeOfFlight | 31 | JPR 24 811 | Nov63 | BOR | Roturier,J.+ |
| C12 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | TimeOfFlight | 15 | CEA/R-2382 64 | | GRE | Perrin,P. |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 37 | CEA/R-2407 64 | | GRE | Szabo,I. |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 18 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | Absolute | TimeOfFlight | 36 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| C12 | Ang Distrib | 6.0 | 6 | 6.0 | 6 | | | TimeOfFlight | 13 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 38 | EANDC/J- 1 24 | Jul65 | KYU | Yoshimura,A.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 2 | BOUCHEZ 66C 2 | Mar66 | GRE | Bouchez,R.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 52 | BOUCHEZ 66C 2 | Mar66 | GRE | Bouchez,R.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 36 | HPA 40 693 | Oct67 | LAU | Joseph,C.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | TimeOfFlight | 108 | HPA 42 990 | Dec69 | LAU | Grin,G.A.+ |
| C12 | Ang Distrib | 6.0 | 6 | 8.6 | 6 | | H(n,n) | TimeOfFlight* | 206 | ORNL-4441 | Dec69 | ORL | Perey,F.G.+ |
| C12 | Cosine Fit | 1.5 | 7 | 1.5 | 7 | | H(n,n) | * | 3 | NP A161 354 | Feb71 | AMS | Spaargaren,D.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 1 | PR 97 1266 | Mar55 | LAS | Battat,M.E.+ |
| C12 | Sigma | 6.6 | 6 | 6.6 | 6 | | Absolute | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| C12 | Sigma | 6.6 | 6 | 6.6 | 6 | N | | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 1 | PPS 75 855 | 60 | ALD | Deuchars. |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | Carbon | CrystalScint | 3 | SPN- 241 61 | | CCP | Nefedov. |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | NP 60 349 | Nov64 | GLS | Stewart,D.T.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | $Co^{59}$ | CrystalScint | 4 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| C12 | Ang Distrib | 6.6 | 6 | 6.6 | 6 | | | Ring Geomtry | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | σ(Tot-React) | Ring Geomtry | 24 | PR 111 572 | Jul58 | LRL | Anderson. |
| C12 | Ang Distrib | 4.9 | 6 | 9.2 | 6 | | | Ring Geomtry | 68 | NP 14 295 | Dec59 | RIC | Hall. |
| C12 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 1 | APSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 13 | NP* 19 448 | Nov60 | LRL | Benveniste,J.+ |
| C12 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | σ(Total) | | 7 | KOZLOWSKI 67B | Feb67 | JAD | Kozlowski. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| C12 | Ang Distrib | 5.0 | 4 | 2.3 | 6 | | Carbon | ModeratrTank | 590 | AP 12 135 | Feb61 | ANL | Lane. |
| C12 | Legendre Fit | 5.0 | 4 | 2.3 | 6 | | | ModeratrTank | 352 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| C12 | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| C12 | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| C12 | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| C12 | Sigma | 2.2 | 7 | 3.8 | 7 | | | Activation | 8 | DOK 136 55 | 61 | CCP | Brill. |
| C12 | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| | (n,p) REACTION | | | | | | | | | | | | |
| C12 | Sigma | 1.5 | 7 | 1.8 | 7 | | | Activation | 4 | PR 113 890 | Feb59 | NRD | Kreger. |
| C12 | Sigma | 1.5 | 7 | 2.2 | 7 | | $U^{238}(n,f)$ | Activation * | 36 | NP A108 567 | Feb68 | OXF | Rimmer,E.M.+ |
| | (n,np) REACTION | | | | | | | | | | | | |
| C12 | Sigma | 1.4 | 8 | 1.4 | 8 | | σ(E≠E(th)) | Coincidences | 4 | 61MANCH- 139 | Sep61 | HAR | Austin,S.M.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 2 | PR 130 1500 | May63 | BRN | Al-Kital. |
| C12 | Sigma | 7.9 | 6 | 8.6 | 6 | | | Ion Chamber | 13 | NP 48 169 | Oct63 | RIC | Davis. |
| C12 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Nuc Emulsion | 1 | NP 51 583 | Mar64 | SAH | Chatterjee,M.L.+ |
| C12 | Sigma | 1.6 | 7 | 1.7 | 7 | | σ(E≠E(th)) | PlasticScint | 2 | 66LYON- 88 | Jan66 | STR | Huck,A.+ |
| C12 | Sigma | 1.4 | 7 | 1.6 | 7 | C | Helium | Count Telesc* | 2 | STAUDT 68G | Jul68 | GER | Brendle,M.+ |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | C | Absolute | CrystalScint | 1 | JPJ 26 600 | Mar69 | TIT | Kitazawa,H.+ |
| C12 | Ang Distrib | 1.5 | 7 | 1.9 | 7 | | | | 210 | EANDC/OR- 93 | Jun70 | BAS | |
| | (n,alp)+(n,n'alp) | | | | | | | | | | | | |
| C12 | Sigma | 1.4 | 7 | 1.6 | 7 | | Absolute | Coincidences* | 1 | ZN A 26 317 | Feb71 | KIL | Fabian,H.-U. |
| | alpha-EMISSION | | | | | | | | | | | | |
| C12 | Sigma | 1.5 | 7 | 1.7 | 7 | | Arb Units | PlasticScint | 90 | 66LYON- 88 | Jan66 | STR | Huck,A.+ |
| | (n,n3CHARGED PART) | | | | | | | | | | | | |
| C12 | Sigma | 1.3 | 7 | 1.9 | 7 | | | Nuc Emulsion | 4 | PR 99 1375 | Sep55 | LAS | Frye. |
| C12 | Sigma | 1.2 | 7 | 2.0 | 7 | | σ(E≠E(th)) | Nuc Emulsion | 15 | PR 99 1375 | Sep55 | LAS | Frye. |
| C12 | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | TimeOfFlight | 1 | HPA 42 990 | Dec69 | LAU | Grin,G.A.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,n3CHARGED PART) (CONTINUED) | | | | | | | | | | |
| $C^{12}$ | Sigma | 1.4 7 | 1.4 7 | | | Coincidences* | 1 | ZN A 26 317 | Feb71 | KIL | Fabian,H.-U. |
| | NONELASTIC SCATT | | | | | | | | | | |
| $C^{12}$ | Sigma | 1.5 7 | 2.0 7 | | | Shell Trans | 2 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $C^{12}$ | Sigma | 1.3 -3 | 1.2 -1 | | Absolute | TimeOfFlight | 186 | JNE 5 203 | 57 | HAR | Egelstaff,P.A. |
| $C^{12}$ | Sigma | 2.0 6 | 2.1 6 | | Absolute | Accelerator | 23 | PR 109 891 | Feb58 | ORL | Wills. |
| $C^{12}$ | Sigma | 2.6 6 | 2.9 6 | | Absolute | Accelerator | 40 | ORNL-2501 18 | Jun58 | ORL | Bair,J.K.+ |
| $C^{12}$ | Sigma | 6.0 2 | 6.2 7 | | Absolute | TimeOfFlight | 685 | UTTLEY 64D | Apr64 | HAR | Uttley. |
| | n-WIDTH | | | | | | | | | | |
| $C^{12}$ | $\Gamma$(n) | 3.6 6 | 4.3 6 | S | | | 2 | NYO/GEN/72- 28 | Jan65 | COL | Lister. |
| | TOTAL WIDTH | | | | | | | | | | |
| $C^{12}$ | $\Gamma$ | 2.1 6 | 2.9 6 | | | | 2 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| $C^{12}$ | $\Gamma$ | 2.9 6 | 3.6 6 | | | Accelerator | 2 | HPA 27 577 | Dec54 | ETH | Meier,R.W.+ |
| $C^{12}$ | $\Gamma$ | 2.1 6 | 3.7 6 | | | | 3 | PR 109 891 | Feb58 | ORL | Wills. |
| $C^{12}$ | $\Gamma$ | 3.5 6 | 1.2 7 | | | | 11 | PR 123 209 | Jul61 | WIS | Possan. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $C^{12}$ | Resonance Energy | 2.1 6 | 2.1 6 | | | | 1 | NC 10 1607 | Dec53 | ETH | Ricamo,R. |
| $C^{12}$ | Resonance Energy | 2.9 6 | 3.6 6 | | | Accelerator | 2 | HPA 27 577 | Dec54 | ETH | Meier,R.W.+ |
| $C^{12}$ | Resonance Energy | 6.5 6 | 6.7 6 | | | | 3 | PR 123 209 | Jul61 | WIS | Possan. |
| $C^{12}$ | Spin of Reson | 2.1 6 | 2.9 6 | | | | 2 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| $C^{12}$ | Spin of Reson | 2.9 6 | 3.6 6 | | | Accelerator | 2 | HPA 27 577 | Dec54 | ETH | Meier,R.W.+ |
| $C^{12}$ | Spin of Reson | 2.1 6 | 3.7 6 | | | | 3 | PR 109 891 | Feb58 | ORL | Wills. |
| $C^{12}$ | Spin of Reson | 3.5 6 | 1.2 7 | | | | 11 | PR 123 209 | Jul61 | WIS | Possan. |
| $C^{12}$ | Spin of Reson | 3.6 6 | 4.3 6 | | | | 2 | PR 143 745 | Mar66 | COL | Lister. |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $C^{13}$ | Sigma | 2.5 -2 | 2.5 -2 | | Nitrogen | Activation | 1 | PR 95 92 | Jul54 | ANL | Hennig. |
| $C^{13}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR/P- 36 36 | 57 | CR | Bartholomew. |
| $C^{13}$ | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | ARN 11 259 | 61 | CR | Bartholomew. |
| $C^{13}$ | Sigma | 2.5 -2 | 2.5 -2 | | H(n,n) | CaptureGamma | 1 | WASH-1044 40 | Aug63 | LAS | Motz. |
| $C^{13}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Ratio | Ge(Li)Detect | 2 | NIM 56 325 | Nov67 | ANL | Thomas,G.E.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $C^{13}$ | Sigma | 1.1 5 | 2.3 7 | | Absolute | Accelerator | 212 | PR 122 534 | Apr61 | ORL | Cohn,H.O.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $C^{13}$ | $\Gamma$ | 1.5 5 | 2.5 6 | | | | 4 | PR 122 534 | Apr61 | ORL | Cohn,H.O.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $C^{13}$ | Spin of Reson | 1.5 5 | 2.5 6 | | | | 4 | PR 122 534 | Apr61 | ORL | Cohn,H.O.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ,EMISSION | | | | | | | | | | |
| N | Sigma | 1.4 7 | 1.4 7 | | | γ-Spectromet | 4 | AE 24 573 | Jun68 | CCP | Maslov. |
| N | Ang Distrib | 1.5 7 | 1.5 7 | | | γ-Spectromet | 9 | USNRDL- 791 | Oct64 | NRD | Ferguson,J.M.+ |
| N | Ang Distrib | 4.5 6 | 8.5 6 | | | CrystalScint | 28 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| N | Sigma | 1.4 7 | 1.4 7 | | σ(Total) | CloudChamber | 1 | PR 95 730 | Aug54 | RIC | Smith,J.R. |
| N | Sigma | 3.1 6 | 1.6 7 | | | Diff Sig Int | 10 | WADC/TR/57-446 | Sep57 | TNC | Bostrom. |
| N | Sigma | 5.0 6 | 1.2 7 | | | Diff Sig Int | 6 | AFSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| N | Sigma | 7.0 6 | 7.0 6 | | H(n,n) | Diff Sig Int | 1 | PHILLIPS 61J | Oct61 | LAS | Phillips. |
| N | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | NP 47 241 | Aug63 | LRL | Bauer. |
| N | Sigma | 6.8 6 | 1.4 7 | | | TimeOfFlight | 12 | NP A 93 673 | Mar67 | LRL | Bauer,R.W.+ |
| N | Ang Distrib | 8.0 5 | 1.5 6 | | | Proportion C | 36 | PR 98 728 | May55 | ORL | Fowler. |
| N | Ang Distrib | 9.7 5 | 2.4 6 | | | RecoilChambr | 323 | PR 98 728 | May55 | ORL | Fowler. |
| N | Ang Distrib | 1.4 8 | 1.4 8 | | | Liquid Scint | 5 | PM 1 1003 | 56 | OXF | Van Zyl. |
| N | Ang Distrib | 3.1 6 | 1.6 7 | | | Ring Geomtry | 196 | WADC/TR/57-446 | Sep57 | TNC | Bostrom. |
| N | Ang Distrib | 5.0 6 | 1.2 7 | | | TimeOfFlight | 83 | AFSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| N | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 26 | ZET 41 313 | Aug61 | UKR | Strizhak,V.I.+ |
| N | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 10 | PHILLIPS 61J | Oct61 | LAS | Phillips. |
| N | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Ring Geomtry | 21 | NP 47 241 | Aug63 | LRL | Bauer. |
| N | Ang Distrib | 1.6 6 | 3.2 6 | | | CrystalScint | 108 | 66WASH- 653 | Mar66 | ORL | Fowler. |
| N | Ang Distrib | 1.4 7 | 1.4 7 | | | PlasticScint | 1 | BAP 11 471 | Jun66 | OHO | Beach. |
| N | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | PlasticScint | 21 | BAP 11 471 | Jun66 | OHO | Beach. |
| N | Ang Distrib | 6.8 6 | 1.4 7 | | Absolute | TimeOfFlight | 108 | NP A 93 673 | Mar67 | LRL | Bauer,R.W.+ |
| N | Legendre Fit | 5.0 6 | 1.2 7 | | | TimeOfFlight | 54 | AFSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| | INEL SCATTERING | | | | | | | | | | |
| N | Sigma | 1.4 7 | 1.4 7 | | σ(Total) | CloudChamber | 1 | PR 95 730 | Aug54 | RIC | Smith,J.R. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| N | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 4 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| N | Sigma | 3.9 6 | 3.9 6 | | Absolute | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| N | Sigma | 3.9 6 | 3.9 6 | N | | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| N | Sigma | 2.5 -2 | 2.5 -2 | C | | | 6 | HPA 19 493 | Dec46 | ETH | Gibert,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| N | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| N | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 83 88 | Jul51 | CR | Goldschmidt. |
| N | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 2 | PR 84 969 | Dec51 | BNL | Mcreynolds. |
| N | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 87 462 | Aug52 | ORL | Peterson. |
| N | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | DONALDSON 64 | 64 | LRL | Donaldson. |
| N | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | C | | | 1 | HPA 20 105 | Apr47 | ETH | Rossel,J. |
| N | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| N | σ(Free Atom) | 2.5 -2 | 2.5 -2 | C | | | 1 | HPA 19 493 | Dec46 | ETH | Gibert,A.+ |
| N | σ(Free Atom) | 2.5 -2 | 2.5 -2 | C | | | 1 | HPA 20 105 | Apr47 | ETH | Rossel,J. |
| N | Scatt Amplitude | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| N | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 87 462 | Aug52 | ORL | Peterson. |
| N | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | DONALDSON 64 | 64 | LRL | Donaldson. |
| | (n,2n) REACTION | | | | | | | | | | |
| N | Sigma | 1.4 7 | 1.4 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| N | Sigma | 1.4 7 | 1.4 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| | (n,p) REACTION | | | | | | | | | | |
| N | Sigma | 1.5 5 | 2.1 6 | | | Ion Chamber | 184 | PR 80 818 | Dec50 | WIS | Johnson. |
| N | Sigma | 2.0 6 | 3.7 6 | | | Accelerator | 28 | HPA 24 517 | Nov51 | ETH | Bollmann,W.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| N | Sigma | 1.0 6 | 2.1 6 | | | Ion Chamber | 70 | PR 80 818 | Dec50 | WIS | Johnson. |
| N | Sigma | 2.0 6 | 3.7 6 | | | Accelerator | 37 | HPA 24 517 | Nov51 | ETH | Bollmann,W.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| N | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,F.C.W.+ |
| N | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| N | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | KE 6 336 | Oct63 | ROS | Huettel,G.+ |
| N | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| N | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 88 600 | Nov52 | LAS | Phillips,D.D.+ |
| N | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| N | Sigma | 5.0 6 | 1.2 7 | | | Total | 6 | AFSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| N | Sigma | 2.5 6 | 2.9 6 | | Absolute | Ion Chamber | 2 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| N | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 6 | HPA 19 493 | Dec46 | ETH | Gibert,A.+ |
| N | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| N | Sigma | 9.5 7 | 9.5 7 | | Absolute | Fission Det | 1 | PR 77 606 | Mar50 | BRK | Dejuren,J.+ |
| N | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| N | Sigma | 1.6 5 | 1.8 6 | | Absolute | Accelerator | 284 | PR 86 483 | May52 | MIT | Hinchley. |
| N | Sigma | 1.4 7 | 1.4 7 | | Absolute | Liquid Scint | 1 | PR 87 11 | Jul52 | BNL | Poss,H.L.+ |
| N | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| N | Sigma | 1.6 6 | 4.0 6 | | Absolute | Accelerator | 196 | ORNL-1365 1 | Jan53 | ORL | Johnson. |
| N | Sigma | 1.9 6 | 3.8 6 | | | Accelerator | 91 | HPA 26 451 | Sep53 | ETH | Meier. |
| N | Sigma | 2.7 6 | 1.3 7 | | Absolute | Ion Chamber | 61 | PR 94 1678 | Jun54 | LAS | Nereson. |
| N | Sigma | 4.8 7 | 8.3 7 | | Absolute | Liquid Scint | 2 | PR 96 115 | Oct54 | HRV | Hillman. |
| N | Sigma | 4.4 6 | 8.6 6 | | Absolute | Accelerator | 94 | PR 102 1384 | Jun56 | WIS | Becker. |
| N | Sigma | 1.0 4 | 1.3 5 | | Absolute | Accelerator | 37 | BAP 4 42 | Jan59 | DKE | Miller. |
| N | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| N | Sigma | 5.0 6 | 1.2 7 | | Absolute | Accelerator | 6 | AFSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| N | Sigma | 9.9 4 | 8.5 5 | | | Accelerator | 771 | BILPUCH 62K | Nov62 | DKE | Bilpuch. |
| N | Sigma | 8.8 7 | 1.5 8 | | | PlasticScint | 7 | NP 85 129 | Sep66 | HRV | Measday,D.F.+ |
| N | Sigma | 4.7 5 | 2.5 7 | | Absolute | TimeOfFlight* | 3547 | BAP 15 568 A | Apr70 | NBS | Heaton,H.T.+ |
| N | Sigma | 5.0 5 | 9.0 6 | | Absolute | TimeOfFlight* | 689 | NSE 42 28 | Oct70 | GA | Carlson,A.D.+ |
| N | Sigma | 4.6 5 | 9.0 6 | S | Absolute | TimeOfFlight* | 3726 | NSE 42 28 | Oct70 | GA | Carlson,A.D.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | CJP 29 1 | Jan51 | CR | Kinsey. |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | CJP 35 1347 | Dec57 | CR | Bartholomew. |
| N¹⁴ | Sigma | 6.5 4 | 6.5 4 | | | Activation | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | ANL-6797 236 63 | | LAS | Jurney. |
| N¹⁴ | Spectrum | 2.5 -2 | 2.5 -2 | | Ratio | Ge(Li)Detect | 23 | NIM 56 325 | Nov67 | ANL | Thomas,G.E.+ |
| | γ, EMISSION | | | | | | | | | | |
| N¹⁴ | Sigma | 5.8 6 | 8.1 6 | | | 4Pi*σ(90°) | 149 | NP 14 295 | Dec59 | RIC | Hall. |
| N¹⁴ | Ang Distrib | 8.0 6 | 8.0 6 | | | | 6 | WASH-1021 52 | Jun59 | RIC | Hall. |
| N¹⁴ | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 28 | BAP 9 653 | Oct64 | TNC | Morgan. |
| N¹⁴ | Ang Distrib | 5.8 6 | 8.5 6 | | | Ge(Li)Detect | 36 | 68WASH- 811 | Mar68 | ORL | Dickens. |
| N¹⁴ | Ang Distrib | 5.8 6 | 8.5 6 | S | Carbon | Ge(Li)Detect | 36 | 68WASH- 811 | Mar68 | ORL | Dickens. |
| N¹⁴ | Ang Distrib | 5.8 6 | 8.5 6 | | | Ge(Li)Detect | 152 | NSE 36 280 | May69 | ORL | Dickens. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | C | Absolute | PlasticScint* | 1 | AP 34 247 | Nov67 | FOA | Lundberg,B.+ |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 1 | HPA 38 371 | Jul65 | LAU | Vaucher,B.+ |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 17 | EANDC/J- 22 30 | Aug71 | KYU | Hyakutake,M.+ |
| | INEL SCATTERING | | | | | | | | | | |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 13 | ZET 41 24 | Jul61 | UKR | Boby'r. |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Ring Geomtry | 22 | NP 47 241 | Aug63 | LRL | Bauer. |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 2 | HPA 38 371 | Jul65 | LAU | Vaucher,B.+ |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 85 | EANDC/J- 22 30 | Aug71 | KYU | Hyakutake,M.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| N¹⁴ | Sigma | 3.9 6 | 3.9 6 | | Absolute | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| N¹⁴ | Sigma | 3.9 6 | 3.9 6 | N | | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| N¹⁴ | Sigma | 3.4 6 | 5.1 6 | | | 4Pi*σ(90°) | 13 | WADC/TR/58- 88 58 | | TNC | Bostrom. |
| N¹⁴ | Sigma | 4.7 6 | 8.1 6 | | | 4Pi*σ(90°) | 109 | NP 14 295 | Dec59 | RIC | Hall. |
| N¹⁴ | Ang Distrib | 3.9 6 | 3.9 6 | | | Ring Geomtry | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| N¹⁴ | Ang Distrib | 4.2 6 | 7.5 6 | | | Ring Geomtry | 3 | WADC/TR/59- 31 | Feb59 | TNC | Bostrom. |
| N¹⁴ | Ang Distrib | 5.8 6 | 8.5 6 | | | Ge(Li)Detect | 106 | 68WASH- 811 | Mar68 | ORL | Dickens. |
| N¹⁴ | Ang Distrib | 5.8 6 | 8.5 6 | S | Carbon | Ge(Li)Detect | 106 | 68WASH- 811 | Mar68 | ORL | Dickens. |
| | MISC SCATT QUANT | | | | | | | | | | |
| N¹⁴ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| N¹⁴ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| N¹⁴ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 53 | | CR | Paul. |
| N¹⁴ | Sigma | 1.4 7 | 1.4 7 | | $Na^{23}$ | Activation | 1 | PR 94 807 | May54 | RIC | Dudley,J.D.+ |
| N¹⁴ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | BAP 3 365 | Nov58 | ANL | Rayburn. |
| N¹⁴ | Sigma | 1.3 7 | 1.5 7 | | | Activation | 8 | BAP 5 246 | Apr60 | TNC | Morgan,I.L.+ |
| N¹⁴ | Sigma | 1.2 7 | 1.8 7 | | Absolute | Activation | 6 | PR 118 228 | Apr60 | NRD | |
| N¹⁴ | Sigma | 1.2 7 | 3.8 7 | | | Activation | 12 | DOK 136 55 61 | | CCP | Brill. |
| N¹⁴ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| N¹⁴ | Sigma | 1.4 7 | 1.4 7 | | | Activation * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 1 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |
| N¹⁴ | Sigma | 1.3 7 | 1.9 7 | | σ(E≠E(th)) | Activation | 11 | NP 63 438 | Mar65 | HAM | Bormann,M.+ |
| N¹⁴ | Sigma | 1.4 7 | 1.5 7 | | Arb Units | Activation * | 24 | 65ANTWRP-102 A | Jul65 | DEB | Csikai,J. |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | 65ANTWRP-102 B | Jul65 | DEB | Csikai,J. |
| N¹⁴ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 1 | NP 73 349 | Nov65 | IIT | Golchert,N.W.+ |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| N¹⁴ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | 1 | NST 7 534 | Oct70 | JAE | Ishikawa,H. |
| | (n,p) REACTION | | | | | | | | | | |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Ion Chamber | 1 | AERE/R- 370 49 | | HAR | Batchelor. |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Ion Chamber | 1 | AERE/R- 370 49 | | HAR | Batchelor. |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Proportion C | 1 | PR 75 1358 | May49 | LAS | Coon. |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Proportion C | 1 | PR 75 1358 | May49 | LAS | Coon. |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Nuc Emulsion | 1 | JPR 12 6S | Jan51 | STR | Cuer. |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Nuc Emulsion | 1 | JPR 12 6S | Jan51 | STR | Cuer. |
| N¹⁴ | Sigma | 2.9 4 | 3.5 5 | | | | 13 | PR 114 571 | Apr59 | ORL | Gibbons. |
| N¹⁴ | Sigma | 1.3 6 | 4.1 6 | | | Ion Chamber | 132 | NP 14 277 | Dec59 | RIC | Gabbard. |
| N¹⁴ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Ion Chamber | 1 | CJP 39 1784 61 | | CR | Hanna. |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | | Nitrogen | CloudChamber* | 1 | AHP 21 303 | May66 | DEB | Csikai,J.+ |
| N¹⁴ | Sigma | 5.0 6 | 1.3 7 | C | | | 10 | UCRL-50001-66-2A | May66 | LRL | Anderson. |
| | (n,np) REACTION | | | | | | | | | | |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | | Nitrogen | CloudChamber* | 1 | AHP 21 303 66 | | DEB | Csikai,J.+ |
| | p-EMISSION | | | | | | | | | | |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | | Ratio | CloudChamber* | 1 | AHP 21 303 66 | | DEB | Csikai,J.+ |
| | (n,d) REACTION | | | | | | | | | | |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 14 | PR 107 1094 | Aug57 | LAS | Carlson. |
| N¹⁴ | Ang Distrib | 6.9 6 | 8.6 6 | | | TimeOfFlight | 313 | AFSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 15 | PR 158 948 | Jun67 | BRN | Fessenden,P.+ |
| | (n,t) REACTION | | | | | | | | | | |
| N¹⁴ | Sigma | 5.3 6 | 8.2 6 | | | Ion Chamber | 120 | NP 14 277 | Dec59 | RIC | Gabbard. |
| N¹⁴ | Sigma | 5.6 6 | 6.4 6 | | $Li^{6}(n,a)$ | Ion Chamber | 14 | ZP 197 124 | Oct66 | HAM | Scobel,W.+ |
| N¹⁴ | Sigma | 1.5 7 | 1.6 7 | | | CloudChamber | 1 | NP A103 238 | Oct67 | BOS | Moesner. |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 17 | NP A 91 604 | Feb67 | RBZ | Rendic,D. |
| N¹⁴ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 14 | PR 158 948 | Jun67 | BRN | Fessenden,P.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| N¹⁴ | Sigma | 1.4 7 | 1.4 7 | | | CloudChamber | 1 | PR 87 716 | Sep52 | RIC | Lillie. |
| N¹⁴ | Sigma | 5.8 0 | 8.2 6 | | | Ion Chamber | 767 | NP 14 277 | Dec59 | RIC | Gabbard. |
| N¹⁴ | Sigma | 4.1 6 | 5.1 6 | S | | Ion Chamber | 33 | NP 14 277 | Dec59 | RIC | Gabbard. |
| N¹⁴ | Sigma | 1.5 7 | 1.5 7 | | Ratio | CloudChamber* | 1 | AHP 21 303 66 | | DEB | Csikai,J.+ |
| N¹⁴ | Sigma | 2.5 6 | 6.4 6 | | $Li^{6}(n,a)$ | Ion Chamber | 92 | ZP 197 124 | Oct66 | HAM | Scobel,W.+ |
| N¹⁴ | Sigma | 1.4 7 | 1.4 7 | | Absolute | * | 5 | CHP 6 1 1 | Apr68 | NTH | Hsu,Y.C.+ |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,alpha) REACTION (CONTINUED | | | | | | | | | | | |
| N14 | Spectrum | 1.5 | 7 | 1.5 | 7 | Nitrogen | CloudChamber* | 14 | AHP 21 303 | 66 | DEB | Csikai,J.+ |
| N14 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | Nitrogen | CloudChamber* | 9 | AHP 21 303 | 66 | DEB | Csikai,J.+ |
| N14 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Count Telesc | 28 | NP A110 609 | Mar68 | BRN | Maxson. |
| N14 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | Absolute | * | 90 | CHP 6 1 1 | Apr68 | NTU | Hsu,Y.C.+ |
| N14 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | Arb Units | Nuc Emulsion* | 32 | NP A116 673 | Aug68 | IRK | Bachinger,R.+ |
| N14 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | * | 30 | BORMANN 70A | Jan70 | HAM | Bormann,M.+ |
| N14 | Ang Distrib | 1.5 | 7 | 1.9 | 7 | | | 540 | EANDC/OR- 93 | Jun70 | BAS | |
| N14 | Cosine Fit | 1.5 | 7 | 1.5 | 7 | Nitrogen | CloudChamber* | 2 | AHP 21 303 | 66 | DEB | Csikai,J.+ |
| | (n,2 alpha) REACT | | | | | | | | | | | |
| N14 | Sigma | 1.4 | 7 | 1.4 | 7 | | CloudChamber | 1 | PR 87 716 | Sep52 | RIC | Lillie. |
| N14 | Sigma | 1.4 | 7 | 1.6 | 7 | | CloudChamber | 2 | NP A103 238 | Oct67 | ROS | Moesner. |
| | CHARGED PART EMISS | | | | | | | | | | | |
| N14 | Sigma | 1.4 | 7 | 1.4 | 7 | | CloudChamber | 1 | PR 87 716 | Sep52 | RIC | Lillie. |
| N14 | Sigma | 5.1 | 0 | 8.2 | 6 | | Ion Chamber | 207 | NP 14 277 | Dec59 | RIC | Gabbard. |
| | NONELASTIC SCATT | | | | | | | | | | | |
| N14 | Sigma | 1.5 | 7 | 2.0 | 7 | | Shell Trans | 2 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| N14 | Sigma | 2.3 | 6 | 1.5 | 7 | Absolute | TimeOfFlight | 239 | FOSTER 67B | May67 | BNW | Foster. |
| | n-WIDTH | | | | | | | | | | | |
| N14 | Γ(n) | 1.3 | 6 | 3.8 | 6 | | | 7 | NP 14 277 | Dec59 | RIC | Gabbard. |
| | p-WIDTH | | | | | | | | | | | |
| N14 | Γ(p) | 1.3 | 6 | 3.8 | 6 | | | 7 | NP 14 277 | Dec59 | RIC | Gabbard. |
| | alpha-WIDTH | | | | | | | | | | | |
| N14 | Γ(alpha) | 1.3 | 6 | 3.8 | 6 | | | 7 | NP 14 277 | Dec59 | RIC | Gabbard. |
| | TOTAL WIDTH | | | | | | | | | | | |
| N14 | Γ | 4.3 | 5 | 1.8 | 6 | | | 11 | PR 86 483 | May52 | MIT | Hinchley. |
| N14 | Γ | 1.3 | 6 | 8.0 | 6 | | | 22 | NP 14 277 | Dec59 | RIC | Gabbard. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| N14 | Resonance Energy | 5.0 | 5 | 1.8 | 6 | | | 5 | PR 80 818 | Dec50 | WIS | Johnson. |
| N14 | Resonance Energy | 2.5 | 6 | 7.2 | 6 | | | 8 | NP 14 277 | Dec59 | RIC | Gabbard. |
| N14 | σ(0) | 4.3 | 5 | 1.8 | 6 | | | 11 | PR 86 483 | May52 | MIT | Hinchley. |
| N14 | Spin of Reson | 1.1 | 6 | 2.3 | 6 | | | 5 | PR 98 728 | May55 | ORL | Fowler. |
| | ELASTIC SCATTERING | | | | | | | | | | | |
| N15 | Ang Distrib | 1.9 | 6 | 3.3 | 6 | | RecoilChambr | 389 | NP 32 470 | May62 | GRN | Sikkema,C.P. |
| N15 | Ang Distrib | 1.9 | 6 | 3.3 | 6 | Absolute | Proportion C | 310 | NP 32 470 | May62 | GRN | Sikkema,C.P. |
| N15 | Legendre Fit | 1.9 | 6 | 3.5 | 6 | | | 240 | NP 32 470 | May62 | GRN | Sikkema,C.P. |
| | (n,p) REACTION | | | | | | | | | | | |
| N15 | Sigma | 1.5 | 7 | 1.5 | 7 | Iron | Activation * | 1 | NP 85 476 | Sep66 | MUA | Rama Prasad,P.+ |
| | (n,d) REACTION | | | | | | | | | | | |
| N15 | Ang Distrib | 1.4 | 7 | 1.5 | 7 | | Count Telesc | 14 | PR 158 948 | Jun67 | BRN | Pessenden,P.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| N15 | Sigma | 2.8 | 6 | 3.6 | 6 | Absolute | Accelerator | 28 | HPA 32 357 | Oct59 | BAS | Schellenberg,L.+ |
| N15 | Sigma | 1.9 | 6 | 3.4 | 6 | | RecoilChambr | 9 | NP 32 470 | May62 | GRN | Sikkema,C.P. |
| N15 | Sigma | 1.9 | 6 | 3.5 | 6 | Absolute | Proportion C | 64 | NP 32 470 | May62 | GRN | Sikkema,C.P. |
| N15 | Sigma | 4.7 | 5 | 2.0 | 6 | σ(E≠E(th)) | Diff Sig Int | 53 | NP 54 33 | 64 | NOT | Donoghue,T.R. |
| N15 | Sigma | 4.5 | 5 | 2.2 | 6 | Absolute | Accelerator | 111 | PR 135B1347 | Sep64 | LOK | Possan. |
| N15 | Sigma | 9.0 | 5 | 3.2 | 7 | Absolute | TimeOfFlight* | 2572 | NEBE 70L 2 | Dec70 | KPK | Zeitnitz,B.+ |
| | n-WIDTH | | | | | | | | | | | |
| N15 | Γ(n) | 2.0 | 6 | 3.0 | 6 | | | 7 | NP 32 470 | May62 | GRN | Sikkema,C.P. |
| | TOTAL WIDTH | | | | | | | | | | | |
| N15 | Γ | 3.0 | 6 | 3.0 | 6 | | Accelerator | 1 | HPA 32 357 | Oct59 | BAS | Schellenberg,L.+ |
| N15 | Γ | 2.0 | 6 | 3.0 | 6 | | | 8 | NP 32 470 | May62 | GRN | Sikkema,C.P. |
| N15 | Γ | 9.3 | 5 | 2.0 | 6 | | | 5 | POSSAN 64 | 64 | LOK | Possan. |
| N15 | Γ | 4.1 | 6 | 5.9 | 6 | | | 9 | PR 152 980 | Dec66 | LOK | Possan. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| N15 | Resonance Energy | 3.0 | 6 | 3.0 | 6 | | Accelerator | 1 | HPA 32 357 | Oct59 | BAS | Schellenberg,L.+ |
| N15 | Resonance Energy | 3.5 | 6 | 6.3 | 6 | | | 6 | PR 152 980 | Dec66 | LOK | Possan. |
| N15 | Spin of Reson | 3.0 | 6 | 3.0 | 6 | | Accelerator | 1 | HPA 32 357 | Oct59 | BAS | Schellenberg,L.+ |
| N15 | Spin of Reson | 2.0 | 6 | 3.0 | 6 | | | 12 | NP 32 470 | May62 | GRN | Sikkema,C.P. |
| N15 | Spin of Reson | 9.3 | 5 | 2.0 | 6 | | | 5 | POSSAN 64 | 64 | LOK | Possan. |
| N15 | Spin of Reson | 6.3 | 6 | 6.3 | 6 | C | CaptureGamma | 1 | NP 50 209 | Jan64 | CRC | Bartholomew,G.A.+ |
| N15 | Spin of Reson | 4.1 | 6 | 5.9 | 6 | | | 9 | PR 152 980 | Dec66 | LOK | Possan. |
| N15 | n-Orbit Ang Mom | 2.0 | 6 | 2.6 | 6 | | | 4 | NP 32 470 | May62 | GRN | Sikkema,C.P. |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| N15 | Nucl Temperature | 1.5 | 7 | 1.5 | 7 | | CloudChamber* | 1 | AHP 21 303 | 66 | DEB | Csikai,J.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| 0 | Sigma | 1.4 7 | 1.4 7 | | | Crystal Spec | 4 | YF 3 861 | May66 | CCP | Bezotosnyi,V.M.+ |
| | γ,EMISSION | | | | | | | | | | |
| 0 | Sigma | 1.4 7 | 1.4 7 | | | γ-Spectromet | 5 | AE 24 573 | Jun68 | CCP | Maslov. |
| 0 | Ang Distrib | 1.5 7 | 1.5 7 | | | γ-Spectromet | 14 | USNRDL- 791 | Oct64 | NRD | Ferguson,J.M.+ |
| 0 | Ang Distrib | 7.5 6 | 7.5 6 | | | CrystalScint | 2 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| 0 | Ang Distrib | 8.5 6 | 8.5 6 | | Carbon | CrystalScint | 4 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| 0 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | CloudChamber | 1 | PR 89 712 | Feb53 | RIC | Conner,J.P.+ |
| 0 | Sigma | 3.1 6 | 1.6 7 | | | Diff Sig Int | 10 | WADC/TR/57-446 | Sep57 | TNC | Bostrom. |
| 0 | Sigma | 5.0 6 | 1.2 7 | | | Diff Sig Int | 6 | APSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| 0 | Sigma | 3.0 6 | 7.0 6 | | H(n,n) | Diff Sig Int | 8 | PHILLIPS 61J | Oct61 | LAS | Phillips. |
| 0 | Sigma | 9.0 5 | 9.0 5 | | | Ring Geomtry | 1 | AE 13 60 | Jul62 | CCP | Lovchikova. |
| 0 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | NP 47 241 | Aug63 | LRL | Bauer. |
| 0 | Sigma | 1.4 7 | 1.4 7 | | | Ring Geomtry | 1 | NP 47 241 | Aug63 | LRL | Bauer. |
| 0 | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| 0 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | NP 75 353 | Jan66 | CAN | Mcdonald. |
| 0 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 156 1201 | Apr67 | OHO | Beach. |
| 0 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | CloudChamber | 19 | PR 89 712 | Feb53 | RIC | Conner,J.P.+ |
| 0 | Ang Distrib | 4.1 5 | 4.9 5 | | σ(Total) | Biased Scint | 18 | PR 99 55 | Jul55 | WIS | Okazaki. |
| 0 | Ang Distrib | 1.4 8 | 1.4 8 | | | Liquid Scint | 5 | PM 1 1003 | 56 | OXF | Van Zyl. |
| 0 | Ang Distrib | 3.1 6 | 1.6 7 | | | Ring Geomtry | 229 | WADC/TR/57-446 | Sep57 | TNC | Bostrom. |
| 0 | Ang Distrib | 1.0 6 | 1.2 6 | | | Proportion C | 20 | PR 109 89 | Jan58 | ORL | Fowler. |
| 0 | Ang Distrib | 7.3 5 | 2.1 6 | | σ(Total) | Proportion C | 40 | PR 109 89 | Jan58 | ORL | Fowler. |
| 0 | Ang Distrib | 5.0 6 | 5.0 6 | | | Biased Scint | 11 | PR 109 2105 | Mar58 | WES | Hill. |
| 0 | Ang Distrib | 5.0 6 | 1.2 7 | | | TimeOfFlight | 83 | APSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| 0 | Ang Distrib | 3.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 109 | PHILLIPS 61J | Oct61 | LAS | Phillips. |
| 0 | Ang Distrib | 1.5 6 | 2.3 6 | | σ(Total) | Biased Scint | 35 | BAP 7 72 | Jan62 | BNL | Martin. |
| 0 | Ang Distrib | 9.0 5 | 9.0 5 | | | Ring Geomtry | 10 | AE 13 60 | Jul62 | CCP | Lovchikova. |
| 0 | Ang Distrib | 2.0 6 | 4.1 6 | | σ(Total) | RecoilChambr | 429 | HPA 35 351 | Aug62 | BAS | Hunzinger,W.+ |
| 0 | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 20 | NP 47 241 | Aug63 | LRL | Bauer. |
| 0 | Ang Distrib | 1.4 7 | 1.4 7 | | σ(Tot-React) | TimeOfFlight | 11 | NP 75 353 | Jan66 | CAN | Mcdonald. |
| 0 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | PlasticScint | 22 | PR 156 1201 | Apr67 | OHO | Beach. |
| 0 | Ang Distrib | 3.3 6 | 4.2 6 | | | CrystalScint | 168 | PR 162 890 | Oct67 | ORL | Johnson,C.H.+ |
| 0 | Ang Distrib | 3.2 6 | 3.2 6 | | | | 12 | BAP 14 494 | Apr69 | ORL | |
| 0 | Legendre Fit | 5.0 6 | 1.2 7 | | | TimeOfFlight | 54 | APSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| 0 | Legendre Fit | 2.0 6 | 4.1 6 | | | | 80 | HPA 35 351 | Aug62 | BAS | Hunzinger,W.+ |
| 0 | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| 0 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | CloudChamber | 1 | PR 89 712 | Feb53 | RIC | Conner,J.P.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| 0 | Sigma | 7.1 6 | 7.1 6 | | Absolute | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| 0 | Sigma | 7.1 6 | 7.1 6 | N | | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| 0 | Ang Distrib | 1.4 7 | 1.4 7 | | $Co^{59}$ | CrystalScint | 3 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| 0 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | CloudChamber | 1 | PR 89 712 | Feb53 | RIC | Conner,J.P.+ |
| 0 | Sigma | 1.3 5 | 1.7 6 | | Carbon | Diff Sig Int | 89 | AP 12 135 | Feb61 | ANL | Lane. |
| 0 | Ang Distrib | 1.3 5 | 1.7 6 | | Carbon | ModeratrTank | 712 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | |
| 0 | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| 0 | σ(Coherent) | 4.2 -2 | 4.2 -2 | | | Diffraction | 1 | ACR 15 351 | Jul62 | LAS | Roof,R.B. |
| 0 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | DONALDSON 64 | 64 | LRL | Donaldson. |
| 0 | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| 0 | σ(Free Atom) | 1.3 2 | 1.3 2 | | | Transmission* | 1 | PL B 36 208 | Sep71 | MUN | Dilg,W.+ |
| 0 | Scatt Amplitude | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| 0 | Scatt Amplitude | 4.2 -2 | 4.2 -2 | | | Diffraction | 1 | ACR 15 351 | Jul62 | LAS | Roof,R.B. |
| 0 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Mirror Refl | 1 | DONALDSON 64 | 64 | LRL | Donaldson. |
| 0 | Scatt Amplitude | 1.3 2 | 1.3 2 | C | | Scattering * | 1 | PL B 36 208 | Sep71 | MUN | Dilg,W.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| 0 | Sigma | 4.0 6 | 5.2 6 | | σ(Total) | Proportion C | 106 | PR 107 1065 | Aug57 | WIS | Walton. |
| | NONELASTIC SCATT | | | | | | | | | | |
| 0 | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| 0 | Sigma | 5.0 6 | 1.2 7 | | | Total | 6 | APSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| 0 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Shell Trans | 1 | PR 161 1181 | Sep67 | BOS | Chatterjee,A.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| 0 | Sigma | 2.5 6 | 2.9 6 | | Absolute | Ion Chamber | 2 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| 0 | Sigma | 2.5 7 | 2.5 7 | | Absolute | Threshold C | 1 | PR 68 240 | Dec45 | HRV | Sherr. |
| 0 | Sigma | 2.7 0 | 1.1 2 | | Absolute | TimeOfFlight | 12 | PR 74 364 | Aug48 | COR | Jones,W.B. |
| 0 | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 .7 | Jan49 | BRK | Cook. |
| 0 | Sigma | 9.5 7 | 9.5 7 | | Absolute | Fission Det | 1 | PR 77 606 | Mar50 | BRK | Dejuren,J.+ |
| 0 | Sigma | 2.6 6 | 4.8 6 | | Absolute | Accelerator | 53 | PR 78 508 | Jun50 | MIN | Preier. |
| 0 | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| 0 | Sigma | 6.1 5 | 1.4 6 | | Absolute | Accelerator | 70 | PR 80 1011 | Dec50 | WIS | Bockelman,C.K. |
| 0 | Sigma | 1.2 6 | 3.5 6 | | Absolute | Accelerator | 162 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| 0 | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 2 | PR 88 562 | Nov52 | LAS | Coon. |
| 0 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| 0 | Sigma | 3.8 6 | 7.3 6 | | Absolute | Accelerator | 114 | HENKEL 53A | Jan53 | LAS | Henkel. |
| 0 | Sigma | 2.9 6 | 1.3 7 | | Absolute | Ion Chamber | 54 | PR 89 775 | Feb53 | LAS | Nereson. |
| 0 | Sigma | 1.4 6 | 1.8 6 | | | | 8 | PR 94 651 | May54 | RIC | Cook. |
| 0 | Sigma | 1.4 7 | 1.8 7 | | Absolute | Accelerator | 8 | PR 94 651 | May54 | RIC | Cook. |
| 0 | Sigma | 4.8 7 | 8.8 7 | | Absolute | Liquid Scint | 2 | PR 96 115 | Oct54 | HRV | Hillman. |
| 0 | Sigma | 8.1 -4 | 3.2 -3 | | Absolute | TimeOfFlight | 12 | PALEVSKY 55C | Mar55 | BNL | Palevsky. |
| 0 | Sigma | 2.1 5 | 6.9 5 | | Absolute | Accelerator | 34 | PR 99 55 | Jul55 | WIS | Okazaki. |
| 0 | Sigma | 9.3 7 | 1.1 8 | | | Count Telesc | 4 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| 0 | Sigma | 4.4 6 | 8.6 6 | | Absolute | Accelerator | 110 | PR 102 1384 | Jun56 | WIS | Becker. |
| 0 | Sigma | 3.4 6 | 4.4 6 | | Absolute | Accelerator | 47 | PR 107 1065 | Aug57 | WIS | Walton. |
| 0 | Sigma | 6.1 5 | 1.4 6 | | Absolute | Accelerator | 73 | NP 6 188 | Apr58 | WIS | Striebel,H.R.+ |
| 0 | Sigma | 1.8 7 | 2.8 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | |
| O | Sigma | 3.4 6 | 5.1 6 | | Absolute | Transmission | 101 | JPJ 15 1994 | Nov60 | JAE | Tsukada,K.+ |
| O | Sigma | 5.0 6 | 1.2 7 | | Absolute | Accelerator | 6 | APSWC/TR/61- 15 | Feb61 | LOK | Chase. |
| O | Sigma | 3.4 6 | 1.6 7 | | Absolute | Accelerator | 373 | PR 123 209 | Jul61 | WIS | Possan. |
| O | Sigma | 3.4 6 | 1.6 7 | S | Absolute | Accelerator | 373 | PR 123 209 | Jul61 | WIS | Possan. |
| O | Sigma | 8.8 7 | 1.5 8 | | | PlasticScint | 7 | NP 85 129 | Sep66 | HRV | Measday,D.F.+ |
| O | Sigma | 3.3 6 | 5.2 6 | | Absolute | Transmission | 88 | ARS 64 63 | Feb68 | JNE | Manero,P. |
| O | Sigma | 6.7 5 | 3.2 7 | | Absolute | TimeOfFlight* | 4305 | KFK-1000 | Jun68 | KFK | Cierjacks,S.+ |
| O | Sigma | 5.0 5 | 2.0 7 | | Absolute | TimeOfFlight* | 3449 | HEATON 71G 2 | Jul71 | NBS | Schwartz,R.B.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| O16 | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | ANL-6797 236 | 63 | LAS | Jurney. |
| | γ,EMISSION | | | | | | | | | | |
| O16 | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 17 | BAP 9 653 | Oct64 | TNC | Morgan. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| O16 | Sigma | 1.5 7 | 1.5 7 | C | Absolute | PlasticScint* | 1 | AP 34 247 | Nov67 | FOA | Lundberg,B.+ |
| O16 | Sigma | 1.4 7 | 1.4 7 | C | H(n,n) | TimeOfFlight | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | TimeOfFlight | 22 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | C | H(n,n) | TimeOfFlight | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| O16 | Legendre Fit | 3.1 6 | 4.7 6 | | | | 896 | PR 143 745 | Mar66 | COL | Lister. |
| | INEL SCATTERING | | | | | | | | | | |
| O16 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 3 | NP 75 353 | Jan66 | CAN | Mcdonald. |
| O16 | Sigma | 1.4 7 | 1.4 7 | C | H(n,n) | TimeOfFlight | 2 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Ring Geomtry | 48 | NP 47 241 | Aug63 | LRL | Bauer. |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | Another Reac | TimeOfFlight | 41 | NP 75 353 | Jan66 | CAN | Mcdonald. |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | TimeOfFlight | 37 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| O16 | Sigma | 7.1 6 | 7.1 6 | | Absolute | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| O16 | Sigma | 7.1 6 | 7.1 6 | N | | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| O16 | Sigma | 7.7 6 | 8.0 6 | | | Ring Geomtry | 7 | NP 14 295 | Dec59 | RIC | Hall. |
| O16 | Sigma | 6.5 6 | 9.9 6 | | | 4Pi*σ(90°) | 119 | NP 14 295 | Dec59 | RIC | Hall. |
| O16 | Sigma | 1.4 7 | 1.4 7 | | Carbon | CrystalScint | 5 | SPN- 241 | 61 | CCP | Nefedov. |
| O16 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 4 | NP 75 353 | Jan66 | CAN | Mcdonald. |
| O16 | Ang Distrib | 7.1 6 | 7.1 6 | | | Ring Geomtry | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| O16 | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 1 | APSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | Ratio | CrystalScint | 7 | INR- 661/IA/PL | Sep65 | JAD | Kozlowski,T.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| O16 | Ang Distrib | 1.3 5 | 1.7 6 | | Carbon | ModeratrTank | 702 | AP 12 135 | Feb61 | ANL | Lane. |
| O16 | Legendre Fit | 1.3 5 | 1.7 6 | | Carbon | ModeratrTank | 556 | AP 12 135 | Feb61 | ANL | Lane. |
| O16 | Legendre Fit | 2.0 6 | 4.1 6 | | | * | 80 | HPA 35 351 | Aug62 | BAS | Hunzinger,W.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| O16 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| O16 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| O16 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| O16 | Sigma | 1.8 7 | 3.8 7 | | | Activation | 9 | DOK 136 55 | 61 | CCP | Brill. |
| O16 | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| | (n,p) REACTION | | | | | | | | | | |
| O16 | Sigma | 1.4 7 | 1.4 7 | | | CloudChamber | 1 | PR 87 716 | Sep52 | RIC | Lillie. |
| O16 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| O16 | Sigma | 1.0 7 | 1.8 7 | | $Cu^{63}(n,2n)$ | | 12 | PR 93 498 | Feb54 | LAS | Martin. |
| O16 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 120 901 | Nov60 | BET | Dejuren,J.A.+ |
| O16 | Sigma | 1.3 7 | 1.6 7 | | | Activation | 22 | BAP 6 237 | Apr61 | KAP | Seeman. |
| O16 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| O16 | Sigma | 1.1 7 | 1.9 7 | | | Activation | 27 | PR 127 1229 | Aug62 | LAS | Dejuren,J.A.+ |
| O16 | Sigma | 1.3 7 | 1.7 7 | | | Activation * | 15 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| O16 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | NP 83 157 | Jul66 | BOS | Mitra,B.+ |
| O16 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 85 476 | Sep66 | MUA | Rama Prasad,P.+ |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 18 | PL 9 147 | Apr64 | RBZ | Paic,G.+ |
| | (n,d) REACTION | | | | | | | | | | |
| O16 | Sigma | 1.4 7 | 1.6 7 | | | CloudChamber | 1 | PR 87 716 | Sep52 | RIC | Lillie. |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 13 | PR 139B 331 | Jul65 | RBZ | Valkovic,V.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| O16 | Sigma | 1.4 7 | 1.6 7 | | | CloudChamber | 1 | PR 87 716 | Sep52 | RIC | Lillie. |
| O16 | Sigma | 3.6 6 | 4.2 6 | | H(n,n) | Ion Chamber | 26 | HPA 28 227 | May55 | BAS | Seitz,J.+ |
| O16 | Sigma | 1.5 7 | 1.5 7 | | Absolute | CrystalScint* | 1 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| O16 | Sigma | 1.2 7 | 2.0 7 | | Norm To Abs | CrystalScint* | 7 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| O16 | Sigma | 5.0 6 | 8.8 6 | | | Ion Chamber | 187 | NP 48 169 | Oct63 | RIC | Davis. |
| O16 | Sigma | 4.0 6 | 6.2 6 | | | | 17 | 66PARIS/I- 233 | Oct66 | TRM | Divatia. |
| O16 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | NP 88 457 | Nov66 | GLS | Mcdicken,W.N.+ |
| O16 | Sigma | 1.4 7 | 1.4 7 | | | CloudChamber* | 3 | NP A104 677 | Nov67 | NTU | Yuin-Chi Hsu.+ |
| O16 | Sigma | 7.1 6 | 1.2 7 | | σ(E≠E(th)) | * | 21 | AWRE/O/68- 60 | Oct68 | ALD | Dandy,D.+ |
| O16 | Sigma | 1.4 7 | 1.4 7 | | Helium | Diff Sig Int* | 1 | ZP 245 1 | Jul71 | TUE | Brede,H.J.+ |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | | CrystalScint | 5 | NP 22 96 | Jan61 | RBZ | Cindro,N.+ |
| O16 | Ang Distrib | 1.4 7 | 1.8 7 | | Arb Units | Nuc Emulsion* | 10 | APA 20 300 | Aug65 | IRK | Fuerst-Rauch,M |
| O16 | Ang Distrib | 1.5 7 | 1.5 7 | | Arb Units | Nuc Emulsion | 10 | 66LYON- 93 | Jan66 | BOR | Leroux,B.+ |
| O16 | Ang Distrib | 1.5 7 | 1.5 7 | | Arb Units | Nuc Emulsion | 9 | 66LYON- 93 | Jan66 | PR | Leroux,B.+ |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 9 | NP 88 457 | Nov66 | GLS | Mcdicken,W.N.+ |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | | CloudChamber* | 51 | NP A104 677 | Nov67 | NTU | Yuin-Chi Hsu.+ |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 18 | NP A110 555 | Mar68 | BRN | Maxson. |
| O16 | Ang Distrib | 1.4 7 | 1.4 7 | | Helium | Count Telesc* | 49 | ZP 245 1 | Jul71 | TUE | Brede,H.J.+ |
| | NONELASTIC SCATT | | | | | | | | | | |
| O16 | Sigma | 1.4 7 | 1.4 7 | C | | | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $O^{16}$ | Sigma | 2.0 | 4 | 2.3 | 5 | | Absolute | Accelerator | 13 | PR 75 1124 | Apr49 | WIS | Adair. |
| $O^{16}$ | Sigma | 2.6 | 5 | 3.8 | 6 | | | Proportion C | 13 | HPA 23 15 | 50 | CAV | Bretscher,E.+ |
| $O^{16}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Liquid Scint | 1 | PR 87 11 | Jul52 | BNL | Poss,H.L.+ |
| $O^{16}$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| $O^{16}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | Absolute | Transmission | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $O^{16}$ | $\Gamma(n)$ | 3.3 | 6 | 4.2 | 6 | S | | | 5 | NYO/GEN/72- 28 | Jan65 | COL | Lister. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $O^{16}$ | $\Gamma$ | 4.4 | 5 | 2.4 | 6 | | | | 7 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| $O^{16}$ | $\Gamma$ | 2.3 | 6 | 4.4 | 6 | | Absolute | Accelerator | 4 | HPA 25 142 | Feb52 | BAS | Baldinger. |
| $O^{16}$ | $\Gamma$ | 4.4 | 5 | 4.4 | 5 | | | | 1 | PR 99 55 | Jul55 | WIS | Okazaki. |
| $O^{16}$ | $\Gamma$ | 1.0 | 6 | 1.3 | 6 | | | | 2 | NP 6 188 | Apr58 | WIS | Striebel,H.R.+ |
| $O^{16}$ | $\Gamma$ | 3.4 | 6 | 1.2 | 7 | | | | 25 | PR 123 209 | Jul61 | WIS | Possan. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $O^{16}$ | Resonance Energy | 2.3 | 6 | 4.4 | 6 | | Absolute | Accelerator | 4 | HPA 25 142 | Feb52 | BAS | Baldinger. |
| $O^{16}$ | Resonance Energy | 4.0 | 6 | 4.4 | 6 | | | | 2 | PR 123 209 | Jul61 | WIS | Possan. |
| $O^{16}$ | Spin of Reson | 4.4 | 5 | 2.4 | 6 | | | | 7 | PR 84 69 | Oct51 | WIS | Bockelman,C.K.+ |
| $O^{16}$ | Spin of Reson | 1.9 | 6 | 4.4 | 6 | | Absolute | Accelerator | 5 | HPA 25 142 | Feb52 | BAS | Baldinger. |
| $O^{16}$ | Spin of Reson | 1.0 | 6 | 1.0 | 6 | | | | 1 | PR 92 1491 | Dec53 | WIS | Adair. |
| $O^{16}$ | Spin of Reson | 1.0 | 6 | 1.0 | 6 | | | | 1 | PR 109 89 | Jan58 | ORL | Fowler. |
| $O^{16}$ | Spin of Reson | 3.4 | 6 | 1.2 | 7 | | | | 25 | PR 123 209 | Jul61 | WIS | Possan. |
| $O^{16}$ | Spin of Reson | 3.8 | 6 | 3.8 | 6 | | | | 1 | BAP 9 445 | Apr64 | ORL | Johnson. |
| $O^{16}$ | Spin of Reson | 3.3 | 6 | 4.1 | 6 | | | | 5 | PR 143 745 | Mar66 | COL | Lister. |
| $O^{16}$ | n-Orbit Ang Mom | 1.9 | 6 | 4.4 | 6 | | Absolute | Accelerator | 5 | HPA 25 142 | Feb52 | BAS | Baldinger. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $O^{17}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | NSE 18 105 | Jan64 | ISL | Amiel,S.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $O^{17}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Nitrogen | | 1 | CJP 25A 77 | 47 | CAN | May. |
| $O^{17}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Nitrogen | | 1 | CJP 25A 77 | 47 | CAN | May. |
| $O^{17}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | | 1 | SEPPI 56 | 56 | HAN | Seppi. |
| $O^{17}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | | 1 | SEPPI 56 | 56 | HAN | Seppi. |
| $O^{17}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | | 1 | CJP 39 1784 | 61 | CR | Hanna. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | |
| $O^{18}$ | Sigma | 2.1 | 5 | 9.8 | 5 | | $\sigma$(Thermal) | Activation | 45 | VAUGHN 68D | Apr68 | LOK | Vaughn. |
| $O^{18}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Na^{23}$ | Activation * | 1 | JIN 33 1221 | May71 | WUR | Blaser,W.+ |
| $O^{18}$ | Reson Integral | 2.5 | -2 | 2.5 | -2 | | $Na^{23}$ | Activation * | 1 | JIN 33 1221 | May71 | WUR | Blaser,W.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $O^{18}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | H(n,n) | TimeOfFlight | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| $O^{18}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | TimeOfFlight | 19 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| $O^{18}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | C | H(n,n) | TimeOfFlight | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| $O^{18}$ | Sigma | 2.9 | 6 | 4.1 | 6 | | H(n,n) | Ion Chamber | 12 | HPA 37 505 | Aug64 | BAS | Extermann,P.+ |
| $O^{18}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | H(n,n) | TimeOfFlight | 6 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| $O^{18}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | TimeOfFlight | 49 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| $O^{18}$ | Ang Distrib | 2.9 | 6 | 4.1 | 6 | | H(n,n) | Ion Chamber | 131 | HPA 37 505 | Aug64 | BAS | Extermann,P.+ |
| | (n,d) REACTION | | | | | | | | | | | | |
| $O^{18}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | NSE 18 105 | Jan64 | ISL | Amiel,S.+ |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| $O^{18}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | | | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $O^{18}$ | Sigma | 2.8 | 6 | 4.2 | 6 | | Absolute | Accelerator | 43 | HPA 32 357 | Oct59 | BAS | Schellenberg,L.+ |
| $O^{18}$ | Sigma | 8.6 | 6 | 1.2 | 7 | | Absolute | Accelerator | 4 | JOHNSON 62E | May62 | LOK | Johnson. |
| $O^{18}$ | Sigma | 1.4 | 5 | 2.5 | 6 | | Absolute | Accelerator | 231 | NP 64 336 | Mar65 | LOK | Vaughn,F.J.+ |
| $O^{18}$ | Sigma | 2.4 | 6 | 1.9 | 7 | | Absolute | Accelerator | 138 | NP 64 343 | Mar65 | LOK | Salisbury,S.R.+ |
| $O^{18}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | Absolute | Transmission | 1 | HPA 42 813 | Oct69 | ETH | Meier,D.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $O^{18}$ | $\Gamma$ | 3.0 | 6 | 4.0 | 6 | | | Accelerator | 4 | HPA 32 357 | Oct59 | BAS | Schellenberg,L.+ |
| $O^{18}$ | $\Gamma$ | 6.6 | 5 | 2.4 | 6 | | | AverageTrans | 5 | NP 64 336 | Mar65 | LOK | Vaughn,F.J.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $O^{18}$ | Resonance Energy | 3.0 | 6 | 4.0 | 6 | | | Accelerator | 4 | HPA 32 357 | Oct59 | BAS | Schellenberg,L.+ |
| $O^{18}$ | Spin of Reson | 3.0 | 6 | 4.0 | 6 | | | Accelerator | 4 | HPA 32 357 | Oct59 | BAS | Schellenberg,L.+ |
| $O^{18}$ | n-Orbit Ang Mom | 3.0 | 6 | 4.0 | 6 | | | Accelerator | 4 | HPA 32 357 | Oct59 | BAS | Schellenberg,L.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| F19 | Sigma | 1.6 | 4 | 1.9 | 6 | | | CrystalScint | 201 | PR | 114 | 201 | Apr59 | RIC | Gabbard,F.+ |
| F19 | Sigma | 3.0 | 4 | 3.0 | 4 | | Indium | Liquid Scint | 1 | PR | 122 | 182 | Apr61 | ORL | Gibbons. |
| F19 | Sigma | 3.0 | 4 | 3.0 | 4 | | Indium | Scint Tank | 1 | PR | 122 | 182 | Apr61 | ORL | Gibbons. |
| F19 | Sigma | 1.2 | 4 | 3.9 | 4 | | Silver | Moxon-Rae C | 12 | NP | 43 | 353 | 63 | ORL | Macklin. |
| F19 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR | 129 | 1281 | Feb63 | PSU | Glickstein. |
| F19 | Sigma | 2.5 | -2 | 2.5 | -2 | N | | Activation | 1 | PR | 129 | 1281 | Feb63 | PSU | Glickstein. |
| F19 | Spectrum | 2.5 | -2 | 2.5 | -2 | | γ's /100neut | Ge(Li)Detect* | 80 | NP | A123 | 215 | Jan69 | CTH | Hardell,R.+ |
| | γ,EMISSION | | | | | | | | | | | | | | |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | | γ-Spectromet | 6 | AE | 24 | 573 | Jun68 | CCP | Maslov. |
| | ELASTIC SCATTERING | | | | | | | | | | | | | | |
| F19 | Sigma | 2.9 | 4 | 1.2 | 5 | | Carbon | 4Pi*σ(90°) | 191 | PR | 109 | 1620 | Mar58 | DKE | Block,R.C.+ |
| F19 | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | | | 8 | PR | 109 | 891 | Feb58 | ORL | Wills. |
| F19 | Ang Distrib | 6.6 | 5 | 2.1 | 6 | | | Proportion C | 32 | PR | 109 | 891 | Feb58 | ORL | Wills. |
| F19 | Ang Distrib | 5.6 | 5 | 1.0 | 6 | | Carbon | TimeOfFlight | 10 | BAP | 6 | 61 | Feb61 | CSE | Rogers,W.L.+ |
| F19 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | Liquid Scint | 13 | CLARKE | 68D | | Apr68 | CR | Clarke. |
| | ELASTIC+SOME INEL | | | | | | | | | | | | | | |
| F19 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | TimeOfFlight | 11 | NP | 86 | 378 | Nov66 | ITY | Bonazzola,G.C.+ |
| F19 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | Liquid Scint | 13 | CLARKE | 68D | | Apr68 | CR | Clarke. |
| | INEL SCATTERING | | | | | | | | | | | | | | |
| F19 | Sigma | 2.5 | 6 | 2.5 | 6 | S | | Ion Chamber | 1 | PR | 77 | 286 | Jan50 | OXF | Beghian,L.E.+ |
| F19 | Sigma | 2.5 | 6 | 2.5 | 6 | | | Ion Chamber | 1 | PR | 82 | 969 | Jun51 | OXF | Grace,M.A.+ |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS- | | 609 | Jul58 | LRL | Macgregor,M.H. |
| F19 | Ang Distrib | 2.4 | 6 | 2.4 | 6 | | H(n,n) | Biased Scint | 2 | PR | 103 | 343 | Jul56 | LAS | Cranberg. |
| F19 | Ang Distrib | 5.6 | 5 | 5.6 | 5 | | Carbon | TimeOfFlight | 16 | BAP | 6 | 61 | Feb61 | CSE | Rogers,W.L.+ |
| F19 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | TimeOfFlight | 39 | NP | 86 | 378 | Nov66 | ITY | Bonazzola,G.C.+ |
| F19 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Another Reac | Liquid Scint | 24 | CLARKE | 68D | | Apr68 | CR | Clarke. |
| F19 | Legendre Fit | 2.6 | 6 | 2.6 | 6 | | At one Angle | Ring Geomtry | 10 | PR | 117 | 1330 | Mar60 | LAS | Day,R.B.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | | | |
| F19 | Sigma | 2.5 | 6 | 2.5 | 6 | | $Co^{59}$ | Coincidences | 1 | PR | 77 | 286 | Jan50 | OXF | Beghian,L.E.+ |
| F19 | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*σ(90°) | 6 | PR | 102 | 767 | May56 | LAS | Day,R.B. |
| F19 | Sigma | 2.6 | 6 | 2.6 | 6 | N | | 4Pi*σ(90°) | 5 | PR | 102 | 767 | May56 | LAS | Day,R.B. |
| F19 | Sigma | 1.3 | 6 | 3.6 | 6 | | | Ring Geomtry | 93 | PM | 2 | 628 | 57 | HAR | Freeman,J.M. |
| F19 | Sigma | 2.6 | 6 | 2.6 | 6 | | | Diff Sig Int | 2 | PR | 117 | 1330 | Mar60 | LAS | Day,R.B.+ |
| F19 | Ang Distrib | 2.6 | 6 | 2.6 | 6 | | | Ring Geomtry | 6 | PR | 102 | 767 | May56 | LAS | Day,R.B. |
| F19 | Ang Distrib | 2.6 | 6 | 2.6 | 6 | | At one Angle | Ring Geomtry | 17 | PR | 117 | 1330 | Mar60 | LAS | Day,R.B.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | | | |
| F19 | Sigma | 2.0 | 5 | 2.2 | 6 | | Carbon | Accelerator | 27 | NP | 59 | 113 | 64 | ANL | Elwyn. |
| F19 | Ang Distrib | 2.0 | 5 | 2.2 | 6 | | Carbon | Accelerator | 135 | NP | 59 | 113 | 64 | ANL | Elwyn. |
| | MISC SCATT QUANT | | | | | | | | | | | | | | |
| F19 | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR | 81 | 527 | Feb51 | ORL | Shull,C.G.+ |
| F19 | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | Carbon | Mirror Refl | 1 | DONALDSON | | 64 | 64 | LRL | Donaldson. |
| F19 | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR | 81 | 527 | Feb51 | ORL | Shull,C.G.+ |
| F19 | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR | 81 | 527 | Feb51 | ORL | Shull,C.G.+ |
| F19 | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Ring Geomtry | 1 | ANL-4680 | | 5 | Sep51 | ANL | Turner,L.A. |
| F19 | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR | 81 | 527 | Feb51 | ORL | Shull,C.G.+ |
| F19 | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | Carbon | Mirror Refl | 1 | DONALDSON | | 64 | 64 | LRL | Donaldson. |
| F19 | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Mirror Refl | 1 | PR | 174 | 313 | Oct68 | LRL | Bartolini. |
| | (n,2n) REACTION | | | | | | | | | | | | | | |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP | 31 | 267 | 53 | CR | Paul. |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Scint Tank | 1 | PR | 111 | 616 | Jul58 | LRL | Ashby. |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | N | | Scint Tank | 1 | PR | 111 | 616 | Jul58 | LRL | Ashby. |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}$(n,2n) | Activation | 1 | BAP | 3 | 337 | Aug58 | ANL | Rayburn. |
| F19 | Sigma | 1.3 | 7 | 1.5 | 7 | | | Activation | 8 | BAP | 5 | 246 | Apr60 | TNC | Morgan,I.L.+ |
| F19 | Sigma | 1.2 | 7 | 3.4 | 7 | | | Activation | 11 | DOK | 136 | 55 | 61 | CCP | Brill. |
| F19 | Sigma | 1.2 | 7 | 2.1 | 7 | S | σ(E≠E(th)) | Activation | 8 | JPR | 22 | 651 | Oct61 | SAC | Williamson. |
| F19 | Sigma | 1.3 | 7 | 1.8 | 7 | | | Activation | 12 | BAP | 7 | 335 | Apr62 | GEO | Cross,W.G.+ |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation * | 1 | NC | 26 | 1328 | Dec62 | ITY | Cevolani. |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | S | Iron | Activation | 1 | PHY | 31 | 1091 | Jan65 | NED | Nagel,W.+ |
| F19 | Sigma | 1.3 | 7 | 2.0 | 7 | | σ(E≠E(th)) | Activation | 9 | NP | 63 | 438 | Mar65 | HAM | Bormann,M.+ |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Activation | 1 | NP | 63 | 438 | Mar65 | HAM | Bormann,M.+ |
| F19 | Sigma | 1.2 | 7 | 2.1 | 7 | | σ(E≠E(th)) | Activation | 15 | NP | 63 | 673 | Mar65 | SAC | Picard,J.+ |
| F19 | Sigma | 1.4 | 7 | 1.5 | 7 | | Arb Units | Activation * | 24 | 65ANTWRP- | | 102 A | Jul65 | DEB | Csikai,J. |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | 65ANTWRP- | | 102 B | Jul65 | DEB | Csikai,J. |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AEET- | 267 | 59 | Aug66 | BOS | Chatterjee,A.+ |
| F19 | Sigma | 1.3 | 7 | 1.3 | 7 | S | Al(n,alpha) | Activation | 2 | MENLOVE | 66H | | Aug66 | LOK | Menlove. |
| F19 | Sigma | 1.3 | 7 | 1.9 | 7 | S | $U^{235}$(n,f) | Activation | 8 | MENLOVE | 66H | | Aug66 | LOK | Menlove. |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 3 | NAGEL | 66L | | Dec66 | NED | Nagel,W. |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | Copper | Activation | 1 | NAGEL | 66L | | Dec66 | NED | Nagel,W. |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP A | 93 | 218 | Mar67 | TUR | Pasquarelli,A. |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | AHP | 23 | 87 | May67 | DEB | Csikai. |
| F19 | Sigma | 1.4 | 7 | 1.8 | 7 | | Arb Units | Activation * | 88 | ZP | 207 | 64 | Oct67 | HAM | Bormann,M.+ |
| F19 | Sigma | 1.3 | 7 | 1.9 | 7 | | $U^{235}$(n,f) | Activation | 10 | PR | 163 | 1308 | Nov67 | LOK | Menlove. |
| F19 | Sigma | 1.4 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 5 | JIN | 30 | 1 | Jan68 | TOH | Shiokawa,T.+ |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | * | 1 | EANDC/E- | 89 | 37 | Feb68 | MUN | Vonach,H.K.+ |
| F19 | Sigma | 1.4 | 7 | 1.5 | 7 | | Ratio | * | 12 | EANDC/E- | 89 | 37 | Feb68 | MUN | Vonach,H.K.+ |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | 68WASH- | 885 | | Mar68 | MUN | Vonach,H.K.+ |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | Activation | 1 | 68WASH- | 885 | | Mar68 | MUN | Vonach,H.K.+ |
| F19 | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | AE | 25 | 437 | Nov68 | CCP | Nasyrov. |
| | (n,p) REACTION | | | | | | | | | | | | | | |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP | 31 | 267 | 53 | CR | Paul. |
| F19 | Sigma | 4.6 | 6 | 8.0 | 6 | | | CrystalScint | 18 | PR | 100 | 69 | Oct55 | RIC | Marion. |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | Activation | 1 | NP | 5 | 346 | 58 | TAT | Kondaiah,E.+ |
| F19 | Sigma | 7.7 | 6 | 7.7 | 6 | | Absolute | Ion Chamber | 1 | NP | 27 | 448 | Oct61 | RIC | Davis. |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP | 35 | 353 | 62 | ARK | Kantele,J.+ |
| F19 | Sigma | 1.3 | 7 | 2.0 | 7 | | σ(E≠E(th)) | Activation * | 9 | NP | 63 | 438 | Mar65 | HAM | Bormann,M.+ |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Activation * | 1 | NP | 63 | 438 | Mar65 | HAM | Bormann,M.+ |
| F19 | Sigma | 1.4 | 7 | 2.1 | 7 | | | Activation | 11 | NP | 63 | 673 | Mar65 | SAC | Picard,J.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION (CONTINUED) | | | | | | | | | | | | | |
| F19 | Sigma | 5.0 | 6 | 9.0 | 6 | | H(n,n) | Activation | 159 | EANDC/E- 66 | 64 | Feb66 | FRK | Bass,R.+ |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Cu$^{63}$(n,2n) | Activation * | 1 | NP 83 | 157 | Jul66 | BOS | Mitra,B.+ |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 1 | NP 85 | 476 | Sep66 | MUA | Rama Prasad,P.+ |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation * | 1 | NP A 91 | 222 | Jan67 | DEB | Csikai,J.+ |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | NP A 93 | 218 | Mar67 | TUR | Pasquarelli,A. |
| F19 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | | 33 | NP A111 | 255 | Apr68 | MIL | Pignanelli. |
| | (n,d) REACTION | | | | | | | | | | | | | |
| F19 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Count Telesc | 22 | PR 106 | 767 | May57 | LAS | Ribe,F.L. |
| F19 | Ang Distrib | 1.4 | 7 | 1.5 | 7 | | H(n,n) | | 22 | NP A111 | 255 | Apr68 | MIL | Pignanelli. |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| F19 | Sigma | 3.3 | 6 | 5.9 | 6 | | | Activation | 62 | PR 99 | 643 | Jul55 | TEX | Bostrom,N.A.+ |
| F19 | Sigma | 3.1 | 6 | 3.9 | 6 | | | Activation | 49 | PR 100 | 69 | Oct55 | RIC | Marion. |
| F19 | Sigma | 3.1 | 6 | 7.9 | 6 | | | CrystalScint | 73 | PR 100 | 69 | Oct55 | RIC | Marion. |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | Activation | 1 | NP 5 | 346 | 58 | TAT | Kondaiah,E.+ |
| F19 | Sigma | 3.9 | 6 | 6.2 | 6 | | | CrystalScint | 91 | PR 117 | 514 | Jan60 | TEX | Smith. |
| F19 | Sigma | 2.9 | 6 | 8.2 | 6 | | Absolute | Ion Chamber | 69 | NP 27 | 448 | Oct61 | RIC | Davis. |
| F19 | Sigma | 1.4 | 7 | 2.1 | 7 | | $\sigma$(E#E(th)) | Activation | 11 | NP 63 | 673 | Mar65 | SAC | Picard,J.+ |
| F19 | Sigma | 5.0 | 6 | 9.0 | 6 | | H(n,n) | Activation | 162 | EANDC/E- 66 | 64 | Feb66 | FRK | Bass,R.+ |
| F19 | Sigma | 6.0 | 6 | 6.0 | 6 | | | Count Telesc | 1 | HPA 39 | 376 | Jul66 | NEU | Knellwolf,T.+ |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 1 | NP 85 | 476 | Sep66 | MUA | Rama Prasad,P.+ |
| F19 | Ang Distrib | 6.0 | 6 | 6.0 | 6 | | | Count Telesc | 4 | HPA 38 | 665 | Nov65 | NEU | Knellwolf,T.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| F19 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | 1 | AE 3 | 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | | | | |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 108 | 726 | Nov57 | LRL | Macgregor,M.H.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| F19 | Sigma | 2.5 | 6 | 2.5 | 6 | | H(n,n) | RecoilChambr | 1 | PR 77 | 286 | Jan50 | OXF | Beghian,L.E.+ |
| F19 | Sigma | 4.2 | 7 | 4.2 | 7 | | Absolute | Threshold C | 1 | PR 80 | 842 | Dec50 | BRK | Hilderbrand. |
| F19 | Sigma | 1.0 | 4 | 6.9 | 5 | | Absolute | Accelerator | 48 | PR 80 | 1011 | Dec50 | WIS | Bockelman,C.K. |
| F19 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 | 562 | Nov52 | LAS | Coon. |
| F19 | Sigma | 1.9 | 7 | 1.9 | 7 | | Absolute | Biased Scint | 1 | PR 92 | 358 | Oct53 | LAS | Day,R.B.+ |
| F19 | Sigma | 2.8 | 6 | 1.4 | 7 | | Absolute | Ion Chamber | 31 | PR 94 | 1678 | Jun54 | LAS | Nereson. |
| F19 | Sigma | 4.4 | 6 | 5.6 | 6 | | Absolute | Accelerator | 39 | PR 102 | 1348 | Jun56 | WIS | Becker. |
| F19 | Sigma | 2.5 | 5 | 3.9 | 5 | | Absolute | Accelerator | 72 | NEWSON 57 | | 57 | DKE | Newson. |
| F19 | Sigma | 3.8 | 6 | 8.1 | 6 | | Absolute | Accelerator | 41 | PR 105 | 193 | Jan57 | NRL | Bondelid. |
| F19 | Sigma | 2.0 | 6 | 4.9 | 6 | | Absolute | Accelerator | 243 | PR 109 | 891 | Feb58 | ORL | Wills. |
| F19 | Sigma | 7.0 | 6 | 1.4 | 7 | | Absolute | Biased Scint | 7 | PR 110 | 927 | May58 | LRL | Bratenahl,A.+ |
| F19 | Sigma | 1.8 | 7 | 2.9 | 7 | | Absolute | Biased Scint | 4 | PR 120 | 521 | Oct60 | LRL | Peterson,J.M.+ |
| F19 | Sigma | 3.4 | 6 | 5.1 | 6 | | Absolute | Transmission | 137 | JPJ 15 | 1994 | Nov60 | JAE | Tsukada,K.+ |
| F19 | Sigma | 1.5 | 3 | 1.3 | 5 | | Absolute | Accelerator | 108 | AP 14 | 365 | 61 | DKE | Newson. |
| F19 | Sigma | 4.6 | 4 | 2.0 | 5 | | Absolute | Accelerator | 201 | BILPUCH 64 | | 64 | DKE | Bilpuch. |
| F19 | Sigma | 2.8 | 6 | 2.8 | 6 | | Absolute | Coincidences | 1 | CEA/R-2399 | | 64 | SAC | Ambrosino,G.+ |
| F19 | Sigma | 1.0 | 3 | 3.0 | 5 | | Absolute | Accelerator | 829 | PR 133B | 353 | Jan64 | ANL | Hibdon,C.T. |
| F19 | Sigma | 2.6 | 4 | 2.8 | 4 | | Absolute | Selfindicatn | 13 | PR 133B | 353 | Jan64 | ANL | Hibdon,C.T. |
| F19 | Sigma | 4.7 | 5 | 1.1 | 6 | | Absolute | CrystalScint | 163 | EANDC/E- 57 | 150 | Feb65 | FR | Cabe. |
| F19 | Sigma | 2.6 | 6 | 2.8 | 6 | | | | 10 | CR 260 | 3045 | Mar65 | SAC | Sorriaux,A. |
| F19 | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | TimeOfFlight | 548 | WHALEN 66 | | 66 | ANL | Whalen.+ |
| F19 | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 244 | POSTER 67E | | May67 | BNW | Poster. |
| F19 | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Transmission* | 1 | AHP 28 | 87 A | Mar70 | DEB | Angeli,I.+ |
| | $\gamma$-WIDTH | | | | | | | | | | | | | |
| F19 | $\Gamma(\gamma)$ | 2.7 | 4 | 1.6 | 6 | | | | 12 | PR 114 | 201 | Apr59 | RIC | Gabbard,F.+ |
| F19 | $\Gamma(\gamma)$ | 2.7 | 4 | 2.7 | 4 | | | | 1 | NP 43 | 353 | 63 | ORL | Macklin. |
| F19 | $\Gamma(\gamma)$ | 2.6 | 4 | 9.2 | 4 | | | | 3 | RPI/328- 142 | (2) | Sep68 | RPI | Bartolome. |
| F19 | $g\Gamma(\gamma)$ | 1.8 | 5 | 8.6 | 5 | | | | 4 | PR 114 | 201 | Apr59 | RIC | Gabbard,F.+ |
| F19 | $g\Gamma(\gamma)$ | 1.5 | 4 | 1.5 | 4 | | | | 1 | NP 43 | 353 | 63 | ORL | Macklin. |
| F19 | $g\Gamma(\gamma)$ | 6.4 | 4 | 6.4 | 4 | | | | 1 | RPI/328- 142 | (2) | Sep68 | RPI | Bartolome. |
| | n-WIDTH | | | | | | | | | | | | | |
| F19 | $\Gamma(n)$ | 2.7 | 4 | 1.0 | 5 | | | AreaAnalysis | 3 | AP 14 | 365 | 61 | DKE | Newson. |
| F19 | $\Gamma(n)$ | 4.9 | 4 | 4.2 | 5 | | | Shape Analys | 7 | AP 14 | 365 | 61 | DKE | Newson. |
| F19 | $\Gamma(n)$ | 1.3 | 5 | 1.5 | 5 | | | | 5 | ANL-6326 | 35 | Mar61 | ANL | Hibdon. |
| F19 | $\Gamma(n,l=1)$ | 2.6 | 4 | 9.2 | 4 | | | | 3 | RPI/328- 142 | (2) | Sep68 | RPI | Bartolome. |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| F19 | $\Gamma$ | 2.7 | 5 | 1.6 | 6 | | | | 10 | PR 114 | 201 | Apr59 | RIC | Gabbard,F.+ |
| F19 | $\Gamma$ | 2.7 | 4 | 2.7 | 5 | | | | 12 | PR 133B | 353 | Jan64 | ANL | Hibdon,C.T. |
| F19 | $\Gamma$ | 5.0 | 5 | 1.1 | 6 | | | Breit-Wigner | 7 | CEA/R-3279 | | Jun67 | BRC | Cabe,J. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| F19 | Resonance Energy | 3.4 | 3 | 5.9 | 3 | | | | 8 | PR 100 | 69 | Oct55 | RIC | Marion. |
| F19 | Resonance Energy | 3.7 | 3 | 5.9 | 3 | | | | 8 | PR 117 | 514 | Jan60 | TEX | Smith. |
| F19 | Resonance Energy | 3.1 | 5 | 3.9 | 5 | | | | 2 | AP 14 | 365 | 61 | DKE | Newson. |
| F19 | Resonance Energy | 3.8 | 6 | 7.8 | 6 | | | | 10 | NP 27 | 448 | Oct61 | RIC | Davis. |
| F19 | Resonance Energy | 1.5 | 4 | 7.0 | 4 | | | | 5 | PR 133B | 353 | Jan64 | ANL | Hibdon,C.T. |
| F19 | Resonance Energy | 2.4 | 5 | 5.3 | 5 | | | | 11 | 65ANTWRP- 74 | | Jul65 | COL | Garg,J.B.+ |
| F19 | Resonance Energy | 5.0 | 5 | 1.1 | 6 | | | Breit-Wigner* | 7 | CEA/R-3279 | | Jun67 | BRC | Cabe,J. |
| F19 | $\sigma$(0) | 2.7 | 4 | 1.6 | 6 | | | | 13 | PR 114 | 201 | Apr59 | RIC | Gabbard,F.+ |
| F19 | Spin of Reson | 2.7 | 4 | 9.9 | 4 | | | | 3 | PR 109 | 1620 | Mar58 | DKE | Block,R.C.+ |
| F19 | Spin of Reson | 2.7 | 4 | 1.6 | 6 | | | | 14 | PR 114 | 201 | Apr59 | RIC | Gabbard,F.+ |
| F19 | Spin of Reson | 2.7 | 4 | 4.2 | 5 | | | | 7 | AP 14 | 365 | 61 | DKE | Newson. |
| F19 | Spin of Reson | 1.3 | 5 | 1.5 | 5 | | | | 5 | ANL-6326 | 35 | Mar61 | ANL | Hibdon. |
| F19 | Spin of Reson | 2.7 | 4 | 2.7 | 5 | | | | 12 | PR 133B | 353 | Jan64 | ANL | Hibdon,C.T. |
| F19 | Spin of Reson | 2.7 | 4 | 2.7 | 5 | | | | 4 | 65ANTWRP- 74 | | Jul65 | COL | Garg,J.B.+ |
| F19 | Spin of Reson | 5.0 | 5 | 1.1 | 6 | | | Breit-Wigner | 7 | CEA/R-3279 | | Jun67 | BRC | Cabe,J. |
| | LEVEL DENS PARAM | | | | | | | | | | | | | |
| F20 | Fermi Param: a | 1.4 | 7 | 1.4 | 7 | | | * | 1 | 65ANTWRP-110 | | Jul65 | HAM | Bormann,M.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ne | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | * | 1 | NP A133 410 | Aug69 | BNL | Rorer. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Ne | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| Ne | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | * | 1 | NP A133 410 | Aug69 | BNL | Rorer. |
| Ne | Ang Distrib | 2.1 6 | 3.5 6 | | H(n,n) | RecoilChambr | 107 | NP 3 375 | May57 | GRN | Sikkema,C.P. |
| Ne | Ang Distrib | 8.2 5 | 1.8 6 | | | RecoilChambr | 221 | PR 114 194 | Apr59 | ORL | Cohn. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ne | σ(Incoherent) | 2.5 -2 | 2.5 -2 | | | Total | 1 | ZN A 15 828 | Jul60 | MUN | Springer. |
| Ne | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | PR 148 1303 | Aug66 | ANL | Krohn. |
| | (n,p) REACTION | | | | | | | | | | |
| Ne | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Nuc Emulsion | 1 | NC B 42 297 | Apr66 | TAT | Kondaiah. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ne | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | ZN A 15 828 | Jul60 | MUN | Springer. |
| Ne | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | CR 252 3973 | Jun61 | FAR | Vidal,R.+ |
| Ne | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | CEA/R-2170 62 | | SAC | Genin,R.+ |
| Ne | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ne | Sigma | 1.9 6 | 3.5 6 | | Absolute | Accelerator | 84 | NP 3 375 | May57 | GRN | Sikkema,C.P. |
| Ne | Sigma | 7.7 5 | 1.9 6 | | Absolute | Accelerator | 99 | PR 114 194 | Apr59 | ORL | Cohn. |
| Ne | Sigma | 1.6 5 | 2.0 7 | | Absolute | Accelerator | 164 | PR 118 683 | May60 | LOK | Imhof,W.L.+ |
| Ne | Sigma | 3.0 -4 | 2.9 -3 | | Absolute | TimeOfFlight | 13 | ZN A 15 828 | Jul60 | MUN | Springer. |
| Ne | Sigma | 4.0 -3 | 2.5 -2 | | Absolute | Crystal Spec | 22 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| Ne | Sigma | 1.9 -1 | 6.2 0 | | Absolute | Transmission* | 13 | NP A133 410 | Aug69 | BNL | Rorer. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Ne^{20}$ | Ang Distrib | 1.9 6 | 2.0 6 | | H(n,n) | RecoilChambr | 65 | 58PARIS-541 | Jul58 | GRN | Sikkema,C.P. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ne^{20}$ | Sigma | 1.8 6 | 3.3 6 | | | Ion Chamber | 55 | PR 82 117 | Apr51 | WIS | Johnson,C.H.+ |
| $Ne^{20}$ | Sigma | 4.4 6 | 7.3 6 | | | Ion Chamber | 63 | NP 14 270 | 59 | RIC | Bell. |
| $Ne^{20}$ | Sigma | 4.4 6 | 7.3 6 | N | | Ion Chamber | 63 | NP 14 270 | 59 | RIC | Bell. |
| $Ne^{20}$ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 2 | NP 88 457 | Nov66 | GLS | Mcdicken,W.N.+ |
| $Ne^{20}$ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 12 | NP 88 457 | Nov66 | GLS | Mcdicken,W.N.+ |
| | (n,2 alpha) REACT | | | | | | | | | | |
| $Ne^{20}$ | Sigma | 1.4 7 | 1.4 7 | | Arb Units | CloudChamber | 83 | NC B 44 225 | Jul66 | ITY | Petralia,S.+ |
| $Ne^{20}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | CloudChamber | 30 | NC B 44 225 | Jul66 | ITY | Petralia,S.+ |
| | alpha-EMISSION | | | | | | | | | | |
| $Ne^{20}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | CloudChamber | 60 | NP 79 379 | Apr66 | ITY | Cevolani,M.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ne^{20}$ | Sigma | 1.9 6 | 3.5 6 | | Absolute | Accelerator | 71 | 58PARIS-541 | Jul58 | GRN | Sikkema,C.P. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ne^{20}$ | Γ | 1.9 6 | 2.0 6 | | | | 2 | NP 3 375 | May57 | GRN | Sikkema,C.P. |
| $Ne^{20}$ | Γ | 9.1 5 | 1.7 6 | | | | 6 | ORNL-2501 | Feb58 | ORL | Cohn. |
| $Ne^{20}$ | Γ | 2.9 6 | 6.6 6 | | | | 15 | NP 14 270 | 59 | RIC | Bell. |
| $Ne^{20}$ | Γ | 4.7 5 | 4.7 5 | | | | 1 | PR 118 683 | May60 | LOK | Imhof,W.L.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ne^{20}$ | Resonance Energy | 2.4 6 | 3.4 6 | | | | 6 | NP 3 375 | May57 | GRN | Sikkema,C.P. |
| $Ne^{20}$ | Resonance Energy | 1.8 6 | 1.8 6 | | | | 1 | ORNL-2501 | Feb58 | ORL | Cohn. |
| $Ne^{20}$ | σ(0) | 2.9 6 | 6.9 6 | | | | 17 | NP 14 270 | 59 | RIC | Bell. |
| $Ne^{20}$ | Spin of Reson | 1.9 6 | 2.1 6 | | | | 3 | NP 3 375 | May57 | GRN | Sikkema,C.P. |
| $Ne^{20}$ | Spin of Reson | 9.1 5 | 1.7 6 | | | | 6 | ORNL-2501 | Feb58 | ORL | Cohn. |
| $Ne^{20}$ | Spin of Reson | 4.7 5 | 4.7 5 | | | | 1 | PR 118 683 | May60 | LOK | Imhof,W.L.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ne^{21}$ | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | PR 148 1303 | Aug66 | ANL | Krohn. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ne^{21}$ | Sigma | 2.5 -2 | 2.5 -2 | | Helium | Ion Chamber | 1 | ZET 41 1023 | Oct61 | CCP | Abramov. |
| $Ne^{21}$ | Sigma | 2.5 -2 | 2.5 -2 | | Nitrogen | | 1 | ANL-7357 96 | Jul67 | ANL | |
| $Ne^{21}$ | Sigma | 2.5 -2 | 2.5 -2 | | Nitrogen | Proportion C | 1 | ANL-7310 19 | Jan68 | ANL | Bennett. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ne^{22}$ | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | PR 148 1303 | Aug66 | ANL | Krohn. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ne^{22}$ | Sigma | 1.9 6 | 3.5 6 | | Absolute | Accelerator | 73 | NP 5 351 | Feb58 | GRN | Sikkema,C.P.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ne^{22}$ | Γ | 2.0 6 | 2.7 6 | | | | 4 | NP 5 351 | Feb58 | GRN | Sikkema,C.P.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ne^{22}$ | Resonance Energy | 2.1 6 | 3.4 6 | | | | 6 | NP 5 351 | Feb58 | GRN | Sikkema,C.P.+ |
| $Ne^{22}$ | Spin of Reson | 2.3 6 | 2.3 6 | | | | 1 | NP 5 351 | Feb58 | GRN | Sikkema,C.P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Na^{22}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | | 1 | PHY 29 1196 | 63 | CAS | Parinelli. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | (*) | 39 | USA | |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation * | 1 | PR 86 937 | Jun52 | KJL | Grimeland,B. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | CJC 31 204 | 53 | CR | Bartholomew. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 1 231 | 54 | KJL | Grimeland. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation * | 1 | JNE 1 286 | Jun55 | KJL | Popovic,D.+ |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Na^{23}$ | Activation | 1 | 55GENEVA/ 2- 39 | Aug55 | CCP | Groshev. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ion Chamber | 1 | 55CLEV E-203 | Dec55 | ORL | Brooksbank. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | JNE 3 70 | 56 | HAR | Cocking. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Activation | 1 | JNE 3 70 | 56 | HAR | Cocking. |
| $Na^{23}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Na^{23}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Na^{23}$ | Sigma | 2.0 5 | 4.0 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Na^{23}$ | Sigma | 2.0 4 | 2.0 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Na^{23}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Na^{23}$ | Sigma | 2.0 4 | 9.9 5 | | $U^{235}$(n,f) | Activation | 19 | PR 113 256 | Jan59 | LAS | Bame. |
| $Na^{23}$ | Sigma | 2.0 4 | 9.9 5 | N | $U^{235}$(n,f) | Activation | 19 | PR 113 256 | Jan59 | LAS | Bame. |
| $Na^{23}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Activation | 1 | ADP 12 225 | 63 | ROS | Alexander. |
| $Na^{23}$ | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | ZN A 18 1339 | Aug63 | MUN | Kohler. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | AC 36 1588 | Jul64 | ISP | Girardi. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Ion Chamber | 3 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | AE 17 294 | Oct64 | CCP | Batyrbekov,G.A.+ |
| $Na^{23}$ | Sigma | 8.5 3 | 9.6 4 | | Ratio | Activation | 7 | JNE 20 67 | Jan66 | CAD | Le Rigoleur,C.+ |
| $Na^{23}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| $Na^{23}$ | Sigma | 1.3 7 | 1.5 7 | | σ(E≠E(th)) | Activation * | 7 | NP A 95 229 A | Mar67 | DEB | Csikai,J.+ |
| $Na^{23}$ | Sigma | 9.7 5 | 1.9 7 | | $U^{235}$(n,f) | Activation | 17 | PR 163 1299 | Nov67 | LOK | Menlove. |
| $Na^{23}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | HUA | Hasan,S.S.+ |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Na^{23}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 419 | Nov70 | NPL | Ryves,T.B.+ |
| $Na^{23}$ | Reson Integral | 5.0 2 | 5.0 2 | | σ(Thermal) | Proportion C* | 1 | JNE 14 53 | Apr61 | AE | |
| $Na^{23}$ | Reson Integral | 6.2 -1 | 6.2 -1 | | Au(n,γ) | Activation | 1 | DP- 817 | Jan63 | SRL | Baumann. |
| $Na^{23}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | γ,EMISSION | | | | | | | | | | |
| $Na^{23}$ | Sigma | 4.9 5 | 3.0 6 | | | Ring Geomtry | 59 | NP 9 181 | Dec58 | HAR | Freeman,J.M.+ |
| $Na^{23}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | CrystalScint | 8 | USNRDL-1043 | Jul66 | NRD | Thompson. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Na^{23}$ | Sigma | 3.0 4 | 9.0 4 | | Carbon | 4Pi*σ(90°) | 94 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| $Na^{23}$ | Sigma | 3.0 5 | 3.0 5 | | | Diff Sig Int | 1 | UFZ 8 1389 | 63 | UKR | Korzh. |
| $Na^{23}$ | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| $Na^{23}$ | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| $Na^{23}$ | Sigma | 9.5 5 | 9.5 5 | | Carbon | TimeOfFlight | 1 | BAP 10 576 | Jun65 | ANL | Chien,J.P.+ |
| $Na^{23}$ | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| $Na^{23}$ | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 25 | NSE 26 500 | Dec66 | ANL | Smith. |
| $Na^{23}$ | Sigma | 1.5 6 | 4.0 6 | | | TimeOfFlight* | 3 | CEC/68- 7 | Jun68 | ITY | Benzi,V.+ |
| $Na^{23}$ | Sigma | 5.0 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 1 | AWRE/O/71- 03 | Feb71 | ALD | Coles,R.E. |
| $Na^{23}$ | Ang Distrib | 9.8 5 | 4.0 6 | | H(n,n) | TimeOfFlight | 41 | NP 32 610 | May62 | ALD | Towle. |
| $Na^{23}$ | Ang Distrib | 3.0 5 | 3.0 5 | | | Threshold C | 8 | UFZ 8 1389 | 63 | UKR | Korzh. |
| $Na^{23}$ | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| $Na^{23}$ | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| $Na^{23}$ | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | TimeOfFlight* | 8 | KUIJPER 65L | Dec65 | NED | Kuijper,P. |
| $Na^{23}$ | Ang Distrib | 1.5 6 | 4.0 6 | | | TimeOfFlight* | 42 | BENZI 68F | Jun68 | ITY | Benzi,V.+ |
| $Na^{23}$ | Ang Distrib | 5.0 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 10 | AWRE/O/71- 03 | Feb71 | ALD | Coles,R.E. |
| $Na^{23}$ | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 100 | NSE 26 500 | Dec66 | ANL | Smith. |
| $Na^{23}$ | Legendre Fit | 5.0 6 | 5.0 6 | | | TimeOfFlight* | 6 | AWRE/O/71- 03 | Feb71 | ALD | Coles,R.E. |
| $Na^{23}$ | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| $Na^{23}$ | Sigma | 1.5 6 | 6.4 6 | | | TimeOfFlight | 4 | CEC/68- 7 | Jun68 | ITY | Benzi,V.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Na^{23}$ | Sigma | 1.4 7 | 1.4 7 | | | TimeOfFlight | 1 | AE 11 398 | 61 | CCP | Sukhanov. |
| $Na^{23}$ | Sigma | 6.0 5 | 1.2 6 | | | $He^3$ Spec | 4 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| $Na^{23}$ | Sigma | 8.2 5 | 1.5 6 | | Carbon | TimeOfFlight | 25 | NSE 26 500 | Dec66 | ANL | Smith. |
| $Na^{23}$ | Sigma | 7.0 6 | 7.0 6 | | H(n,n) | 4Pi*σ(90°) | 21 | NP A100 257 | Jul67 | ALD | Towle,J.H.+ |
| $Na^{23}$ | Sigma | 1.3 6 | 4.0 6 | | | TimeOfFlight | 19 | BENZI 68F | Jun68 | ITY | Benzi,V.+ |
| $Na^{23}$ | Sigma | 1.5 6 | 4.0 6 | | | TimeOfFlight | 3 | CEC/68- 7 | Jun68 | ITY | Benzi,V.+ |
| $Na^{23}$ | Sigma | 5.0 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 8 | AWRE/O/71- 03 | Feb71 | ALD | Coles,R.E. |
| $Na^{23}$ | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| $Na^{23}$ | Ang Distrib | 3.5 6 | 4.0 6 | | | Coincidences | 27 | PR 115 122 | Jul59 | JHU | Shipley,E.N.+ |
| $Na^{23}$ | Ang Distrib | 9.8 5 | 4.0 6 | | H(n,n) | Biased Scint | 55 | NP 32 610 | May62 | ALD | Towle. |
| $Na^{23}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 55 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| $Na^{23}$ | Ang Distrib | 1.5 6 | 6.4 6 | | | TimeOfFlight | 132 | BENZI 68F | Jun68 | ITY | Benzi,V.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Na^{23}$ | Sigma | 4.4 5 | 3.3 6 | | | CrystalScint | 89 | AP 12 485 | 61 | LAS | Lind. |
| $Na^{23}$ | Sigma | 5.5 5 | 2.0 6 | | σ(E≠E(th)) | 4Pi*σ(90°) | 22 | NP 32 610 | May62 | HAR | Towle. |
| $Na^{23}$ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | JNE 19 447 | Jun65 | GLS | Martin,P.W.+ |
| $Na^{23}$ | Ang Distrib | 8.0 5 | 5.1 6 | | | Ring Geomtry | 2 | PR 103 1031 | Aug56 | TEX | Morgan,I.L. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Na^{23}$ | Sigma | 6.7 4 | 6.7 4 | | Carbon | 4Pi*σ(90°) | 1 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| $Na^{23}$ | Sigma | 2.1 5 | 8.2 5 | | Carbon | Diff Sig Int | 76 | PR 118 533 | Apr60 | ANL | Lane,R.O.+ |
| $Na^{23}$ | Sigma | 2.0 5 | 2.2 6 | | Carbon | Accelerator | 23 | NP 59 113 | 64 | ANL | Elwyn. |
| $Na^{23}$ | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 87 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| $Na^{23}$ | Ang Distrib | 2.1 5 | 8.2 5 | | Carbon | Long Counter | 380 | PR 118 533 | Apr60 | ANL | Lane,R.O.+ |
| $Na^{23}$ | Ang Distrib | 2.0 5 | 2.2 6 | | Carbon | Accelerator | 120 | NP 59 113 | 64 | ANL | Elwyn. |
| $Na^{23}$ | Legendre Fit | 2.1 5 | 8.2 5 | | Carbon | ModeratrTank | 304 | PR 118 533 | Apr60 | ANL | Lane,R.O.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MISC SCATT QUANT | | | | | | | | | | | | | | |
| $Na^{23}$ | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | | 2 | PR 81 527 | | Feb51 | ORL | Shull,C.G.+ |
| $Na^{23}$ | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | | 1 | PR 81 527 | | Feb51 | ORL | Shull,C.G.+ |
| $Na^{23}$ | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | | 1 | PR 81 527 | | Feb51 | ORL | Shull,C.G.+ |
| $Na^{23}$ | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | | 2 | PR 81 527 | | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | | | | | |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | PR 98 47 | | Apr55 | LAS | Prestwood,R.J. |
| $Na^{23}$ | Sigma | 1.3 | 7 | 1.7 | 7 | | | Activation | * | 17 | NP 63 393 | | Mar65 | GEL | Liskien,H.+ |
| $Na^{23}$ | Sigma | 1.5 | 7 | 2.1 | 7 | | Absolute | Activation | | 6 | NP 63 673 | | Mar65 | SAC | Picard,J.+ |
| $Na^{23}$ | Sigma | 1.7 | 7 | 2.0 | 7 | | | | * | 7 | PAULSEN 65I | | Sep65 | GEL | Paulsen,A.+ |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.9 | 7 | S | $U^{235}$(n,f) | Activation | | 7 | MENLOVE 66H | | Aug66 | LOK | Menlove. |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.9 | 7 | | $U^{235}$(n,f) | Activation | | 7 | PR 163 1308 | | Nov67 | LOK | Menlove. |
| $Na^{23}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | AE 25 437 | | Nov68 | CCP | Nasyrov. |
| $Na^{23}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | $Ni^{58}$(n,p) | Activation | * | 1 | RCA 13 169 | | Jun70 | KJL | Steinnes,E. |
| | (n,p) REACTION | | | | | | | | | | | | | | |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | | 53 | CR | Paul. |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $I^{127}$ | Activation | * | 1 | ZN A 15 200 | | Mar60 | HAM | Bormann,M.+ |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Activation | | 1 | NP 20 487 | | Nov60 | KFI | Varga,L. |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | PPS 77 508 | | 61 | SAH | Mukherjee. |
| $Na^{23}$ | Sigma | 4.0 | 6 | 1.9 | 7 | | | Activation | | 103 | PR 122 1877 | | Jun61 | TEX | Williamson,C.F. |
| $Na^{23}$ | Sigma | 8.0 | 6 | 8.0 | 6 | | | Activation | | 1 | EANDC/E- 57 | 1 | Feb65 | FRK | Bass,R.+ |
| $Na^{23}$ | Sigma | 1.4 | 7 | 2.1 | 7 | | | Activation | | 12 | NP 63 673 | | Mar65 | SAC | Picard,J.+ |
| $Na^{23}$ | Sigma | 5.3 | 6 | 9.0 | 6 | | H(n,n) | Activation | | 237 | EANDC/E- 66 | 64 | Feb66 | FRK | Bass,R.+ |
| $Na^{23}$ | Sigma | 8.0 | 6 | 8.8 | 6 | | H(n,n) | CrystalScint | | 10 | EANDC/E- 66 | 64 | Feb66 | FRK | Bass,R.+ |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | * | 1 | NP 83 157 | | Jul66 | BOS | Mitra,B.+ |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 1 | NP 85 476 | | Sep66 | MUA | Rama Prasad,P.+ |
| $Na^{23}$ | Sigma | 5.8 | 6 | 9.0 | 6 | | H(n,n) | Activation | | 128 | BASS 65J | | Oct66 | FRK | Bass,R.+ |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | * | 1 | NP A 91 222 | | Jan67 | DEB | Csikai,J.+ |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | NP A 93 218 | | Mar67 | TOR | Pasquarelli,A. |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | OAW 176 45 | | Mar67 | IRK | Plesch,P.+ |
| $Na^{23}$ | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate | * | 2 | NP 24 274 | | Apr61 | HAR | Allan,D.L. |
| | (n,d) REACTION | | | | | | | | | | | | | | |
| $Na^{23}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | | | 15 | NP A111 255 | | Apr68 | MIL | Pignanelli. |
| | (n,alpha) REACTION | | | | | | | | | | | | | | |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Activation | | 1 | ZN A 15 200 | | Mar60 | HAM | Bormann,M.+ |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $I^{127}$ | Activation | * | 1 | ZN A 15 200 | | Mar60 | HAM | Bormann,M.+ |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Activation | | 1 | NP 20 487 | | Nov60 | KFI | Varga,L. |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | PPS 77 508 | | 61 | SAH | Mukherjee. |
| $Na^{23}$ | Sigma | 6.3 | 6 | 1.5 | 7 | | | Activation | | 39 | PR 122 1877 | | Jun61 | TEX | Williamson,C.P. |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | | 1 | NP 36 38 | | Jul62 | ITY | Bizzeti,P.G.+ |
| $Na^{23}$ | Sigma | 8.0 | 6 | 8.0 | 6 | | | Activation | | 1 | EANDC/E- 57 | 1 | Feb65 | FRK | Bass,R.+ |
| $Na^{23}$ | Sigma | 1.4 | 7 | 2.1 | 7 | | | Activation | | 12 | NP 63 673 | | Mar65 | SAC | Picard,J.+ |
| $Na^{23}$ | Sigma | 6.8 | 6 | 9.0 | 6 | | H(n,n) | Activation | | 88 | EANDC/E- 66 | 64 | Feb66 | FRK | Bass,R.+ |
| $Na^{23}$ | Sigma | 8.0 | 6 | 8.8 | 6 | | H(n,n) | CrystalScint | | 12 | EANDC/E- 66 | 64 | Feb66 | FRK | Bass,R.+ |
| $Na^{23}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | H(n,n) | Activation | | 7 | ZP 194 75 | | Jun66 | HAM | Woelfer,G.+ |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | OAW 176 45 | | Mar67 | IRK | Plesch,P.+ |
| $Na^{23}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | | 18 | NP 33 177 | | May62 | SAH | Kaul,O.N. |
| | (n,n alpha) REACT | | | | | | | | | | | | | | |
| $Na^{23}$ | Sigma | 1.3 | 7 | 1.9 | 7 | C | | | | 15 | ZP 194 75 | | Jun66 | HAM | Woelfer,G.+ |
| | alpha-EMISSION | | | | | | | | | | | | | | |
| $Na^{23}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | Arb Units | CrystalScint | | 157 | ZP 194 75 | | Jun66 | HAM | Woelfer,G.+ |
| $Na^{23}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | H(n,n) | CrystalScint | | 7 | ZP 194 75 | | Jun66 | HAM | Woelfer,G.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| $Na^{23}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | | 1 | PR 83 641 | | Aug51 | ORL | Pomerance,H. |
| $Na^{23}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pile Oscilat | | 1 | ANL-5031 68 | | 53 | ANL | Harris. |
| $Na^{23}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | | Pile Oscilat | | 1 | ANL-5031 68 | | 53 | ANL | Harris. |
| $Na^{23}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | | | 1 | BMI-1262 | | 58 | USA | Anno. |
| $Na^{23}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | | 1 | PNE 3 242 | | 59 | HAR | Rose. |
| $Na^{23}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | | 1 | PNE 3 242 | | 59 | HAR | Rose. |
| $Na^{23}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | | 1 | NKA 8 437 | | 63 | POL | Jozefowicz. |
| | NONELASTIC SCATT | | | | | | | | | | | | | | |
| $Na^{23}$ | Sigma | 4.1 | 6 | 4.1 | 6 | | Absolute | Shell Trans | | 1 | 55GENEVA/ 2- | 3 | Aug55 | UKR | Pasechnik. |
| $Na^{23}$ | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | | 1 | ZET 31 907 | | Nov56 | UKR | Strizhak. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | |
| $Na^{23}$ | Sigma | 2.5 | 6 | 2.9 | 6 | | Absolute | Ion Chamber | | 2 | PR 56 260 | | Aug39 | COL | Zinn,W.H.+ |
| $Na^{23}$ | Sigma | 2.5 | 4 | 9.9 | 5 | | Absolute | Accelerator | | 120 | PR 75 1124 | | Apr49 | WIS | Adair. |
| $Na^{23}$ | Sigma | 4.2 | 7 | 4.2 | 7 | | Absolute | Threshold C | | 1 | PR 80 842 | | Dec50 | BRK | Hilderbrand. |
| $Na^{23}$ | Sigma | 1.3 | 0 | 1.2 | 4 | | Absolute | TimeOfFlight | | 83 | PPS 65 992 | | 52 | HAR | Hodgson. |
| $Na^{23}$ | Sigma | 2.5 | 4 | 7.8 | 4 | | Absolute | Accelerator | | 28 | PR 85 595 | | Feb52 | ANL | Hibdon. |
| $Na^{23}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | | 1 | PR 88 562 | | Nov52 | LAS | Coon. |
| $Na^{23}$ | Sigma | 5.0 | 5 | 1.0 | 6 | | Absolute | Accelerator | | 131 | PR 88 1354 | | Dec52 | MIT | Stelson,P.H.+ |
| $Na^{23}$ | Sigma | 2.2 | 6 | 2.8 | 6 | | Absolute | Accelerator | | 14 | PR 90 618 | | May53 | TEX | Dvorak,H.R.+ |
| $Na^{23}$ | Sigma | 1.9 | 6 | 3.8 | 6 | | Absolute | Accelerator | | 94 | HPA 26 451 | | Sep53 | ETH | Meier. |
| $Na^{23}$ | Sigma | 2.0 | -2 | 1.1 | 1 | | Absolute | Crystal Spec | | 365 | PR 99 610 | | Jul55 | MTR | Joki,E.G.+ |
| $Na^{23}$ | Sigma | 1.0 | 4 | 1.6 | 5 | | Absolute | Accelerator | | 147 | PR 99 1625 | | Sep55 | DKE | Toller. |
| $Na^{23}$ | Sigma | 1.6 | 7 | 1.6 | 7 | | Absolute | Accelerator | | 1 | MAZARI 58B | | Feb58 | MEX | Mazari. |
| $Na^{23}$ | Sigma | 2.6 | 3 | 8.4 | 3 | | Absolute | TimeOfFlight | | 31 | PR 109 926 | | Feb58 | ORL | Good. |
| $Na^{23}$ | Sigma | 5.9 | 2 | 1.9 | 4 | | Absolute | TimeOfFlight | | 64 | NP 5 603 | | Mar58 | HAR | Lynn,J.E.+ |
| $Na^{23}$ | Sigma | 1.6 | 3 | 6.0 | 4 | | Absolute | Accelerator | | 47 | AP 8 194 | | Oct59 | DKE | Merzbacher. |
| $Na^{23}$ | Sigma | 1.0 | 3 | 3.5 | 5 | | Absolute | Accelerator | | 1225 | PR 118 514 | | Apr60 | ANL | Hibdon. |
| $Na^{23}$ | Sigma | 3.5 | 5 | 6.3 | 5 | | Absolute | Accelerator | | 804 | PR 122 1235 | | May61 | ANL | Hibdon. |
| $Na^{23}$ | Sigma | 9.0 | 5 | 2.1 | 6 | | Absolute | Accelerator | | 190 | JOHNSON 61J | | Oct61 | LOK | Johnson. |
| $Na^{23}$ | Sigma | 2.8 | 7 | 2.8 | 7 | | Absolute | PlasticScint | | 1 | JPR 22 652 | | Oct61 | LVN | Deconninck,G.+ |
| $Na^{23}$ | Sigma | 6.3 | 5 | 8.6 | 5 | | Absolute | Accelerator | | 573 | PR 124 500 | | Oct61 | ANL | Hibdon. |
| $Na^{23}$ | Sigma | 8.6 | 6 | 1.2 | 7 | | Absolute | Accelerator | | 4 | JOHNSON 62E | | May62 | LOK | Johnson. |
| $Na^{23}$ | Sigma | 7.7 | 5 | 4.1 | 6 | | Absolute | TimeOfFlight | | 95 | NP 32 610 | | May62 | ALD | Towle. |
| $Na^{23}$ | Sigma | 1.0 | 6 | 4.1 | 6 | | Absolute | TimeOfFlight | | 95 | NP 32 610 | | May62 | HAR | Towle. |
| $Na^{23}$ | Sigma | 8.9 | 5 | 2.0 | 6 | | Absolute | Accelerator | | 188 | EANDC/E- 49 | 42 | Oct63 | LVN | Deconinck. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | | | |
| $Na^{23}$ | Sigma | 2.8 | 6 | 5.2 | 6 | | Absolute | Accelerator | 114 | NP 48 408 | Oct63 | CAT | Calvi,G.+ |
| $Na^{23}$ | Sigma | 1.9 | 6 | 1.4 | 7 | | Absolute | TimeOfFlight | 58 | JPR 24 826 | Nov63 | SAC | Leroy,J.L. |
| $Na^{23}$ | Sigma | 4.1 | 6 | 6.2 | 6 | | Absolute | PlasticScint* | 42 | NP 62 165 | Feb65 | HAM | Stuewer,D.+ |
| $Na^{23}$ | Sigma | 1.0 | 5 | 6.5 | 5 | | | | 557 | WHALEN 66 | 66 | ANL | Whalen.+ |
| $Na^{23}$ | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | | 557 | WHALEN 66 | 66 | ANL | Whalen.+ |
| $Na^{23}$ | Sigma | 3.1 | 5 | 3.1 | 5 | | Absolute | TimeOfFlight | 8 | WHALEN 66 | 66 | ANL | Whalen.+ |
| $Na^{23}$ | Sigma | 1.8 | 5 | 1.2 | 8 | | Absolute | TimeOfFlight | 1934 | 65ANTWRP- 81 | Jul66 | HAR | Langsford. |
| $Na^{23}$ | Sigma | 5.0 | 6 | 8.6 | 6 | | Absolute | TimeOfFlight | 240 | NC B 44 455 | Aug66 | PAD | Pasoli,U.+ |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Crystal Spec | 1 | PAULI 66K | Nov66 | TRI | De Guarrini,P.+ |
| $Na^{23}$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint* | 1 | NSE 31 341 | Feb68 | TRI | Guarrini,P.+ |
| $Na^{23}$ | Sigma | 1.5 | 6 | 6.4 | 6 | | | TimeOfFlight | 4 | CEC/68- 7 | Jun68 | ITY | Benzi,V.+ |
| $Na^{23}$ | Sigma | 2.9 | 5 | 3.2 | 7 | | Absolute | TimeOfFlight* | 6975 | KFK-1000 S2 | Feb69 | KFK | Cierjacks,S.+ |
| $Na^{23}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| $Na^{23}$ | Sigma | 6.5 | 5 | 4.5 | 7 | | Absolute | TimeOfFlight* | 1966 | BAP 15 1668 | Dec70 | RPI | Stoler,P.+ |
| $Na^{23}$ | Sigma | 9.0 | 5 | 1.1 | 6 | | Absolute | TimeOfFlight* | 334 | NEBE 70L 1 | Dec70 | KFK | Cierjacks,S.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Na^{23}$ | Γ(γ) | 2.8 | 3 | 2.8 | 3 | | | | 1 | NP 5 603 | Mar58 | HAR | Lynn,J.E.+ |
| $Na^{23}$ | Γ(γ) | 2.8 | 3 | 2.8 | 3 | | | AreaAnalysis | 1 | 68WASH- 695 | Mar68 | GA | Friesenhahn. |
| | n-WIDTH | | | | | | | | | | | | |
| $Na^{23}$ | Γ(n) | 2.8 | 3 | 2.8 | 3 | | | | 1 | NP 5 603 | Mar58 | HAR | Lynn,J.E.+ |
| $Na^{23}$ | Γ(n) | 5.3 | 4 | 5.3 | 4 | | | | 1 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| $Na^{23}$ | Γ(n) | 2.9 | 3 | 3.5 | 5 | | | | 86 | PR 118 514 | Apr60 | ANL | Hibdon. |
| $Na^{23}$ | Γ(n) | 3.5 | 5 | 6.3 | 5 | | | | 71 | PR 122 1235 | May61 | ANL | Hibdon. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Na^{23}$ | Γ | 2.0 | 5 | 9.9 | 5 | | | | 12 | PR 88 1354 | Dec52 | MIT | Stelson,P.H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Na^{23}$ | Resonance Energy | 2.8 | 3 | 5.5 | 4 | | | | 2 | PR 85 595 | Feb52 | ANL | Hibdon. |
| $Na^{23}$ | Resonance Energy | 2.8 | 4 | 4.5 | 5 | | | | 24 | 65ANTWRP- 74 | Jul65 | COL | Garg,J.B.+ |
| $Na^{23}$ | σ(0) | 2.0 | 5 | 6.0 | 5 | | | | 6 | PR 88 1354 | Dec52 | MIT | Stelson,P.H.+ |
| $Na^{23}$ | σ(0) | 2.8 | 3 | 2.8 | 3 | | | | 1 | PR 109 926 | Feb58 | ORL | Good. |
| $Na^{23}$ | σ(0) | 2.8 | 3 | 2.8 | 3 | | | | 1 | NP 5 603 | Mar58 | HAR | Lynn,J.E.+ |
| $Na^{23}$ | Spin of Reson | 2.0 | 5 | 9.9 | 5 | | | | 15 | PR 88 1354 | Dec52 | MIT | Stelson,P.H.+ |
| $Na^{23}$ | Spin of Reson | 2.8 | 3 | 2.8 | 3 | | | | 1 | PR 109 926 | Feb58 | ORL | Good. |
| $Na^{23}$ | Spin of Reson | 2.8 | 3 | 2.8 | 3 | | | | 1 | PR 109 1217 | Feb58 | ORL | Block. |
| $Na^{23}$ | Spin of Reson | 2.8 | 3 | 2.8 | 3 | | | | 1 | NP 5 603 | Mar58 | HAR | Lynn,J.E.+ |
| $Na^{23}$ | Spin of Reson | 5.3 | 4 | 5.3 | 4 | | | | 1 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| $Na^{23}$ | Spin of Reson | 5.3 | 4 | 5.3 | 4 | | | | 1 | AP 8 194 | Oct59 | DKE | Merzbacher. |
| $Na^{23}$ | Spin of Reson | 2.9 | 3 | 3.5 | 5 | | | | 86 | PR 118 514 | Apr60 | ANL | Hibdon. |
| $Na^{23}$ | Spin of Reson | 3.5 | 5 | 6.3 | 5 | | | | 71 | PR 122 1235 | May61 | ANL | Hibdon. |
| $Na^{23}$ | Spin of Reson | 2.9 | 3 | 5.3 | 4 | | | | 2 | 65ANTWRP- 74 | Jul65 | COL | Garg,J.B.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Na^{23}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YF 4 1154 | Dec66 | FEI | Salnikov,O.A.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Na^{24}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | Photo Plate * | 1 | OSA 97 13 | Jan60 | IRK | Czapp,B.+ |
| $Na^{24}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion* | 1 | NP 39 263 | Dec62 | IRK | Patzak,W.+ |
| $Na^{24}$ | Fermi Param: a | 1.4 | 7 | 1.4 | 7 | | | * | 1 | 65ANTWRP-110 | Jul65 | HAM | Bormann,M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Mg | Sigma | 2.5 | 4 | 8.3 | 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Mg | Sigma | 3.0 | 4 | 3.0 | 4 | | Indium | Scint Tank | 1 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Mg | Sigma | 5.1 | 5 | 5.1 | 5 | | | | 1 | SMITH 65H | Aug65 | ANL | Smith. |
| | γ,EMISSION | | | | | | | | | | | | |
| Mg | Sigma | 2.3 | 6 | 2.9 | 6 | | Copper | Ion Chamber | 7 | JMJ 26 66 | 44 | JAP | Nonaka,I. |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | 1 | YF 1 803 | May65 | LEB | Bochkarev,V.N.+ |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | 9 | NSE 8 173 | Sep60 | SOC | Caldwell. |
| Mg | Ang Distrib | 5.5 | 6 | 8.5 | 6 | | Carbon | CrystalScint | 33 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Mg | Ang Distrib | 4.5 | 6 | 4.5 | 6 | | Lead | CrystalScint | 4 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | 8 | YF 1 803 | May65 | LEB | Bochkarev,V.N.+ |
| Mg | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 12 | USNRDL- 861 | Jun65 | NRD | Thompson. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Mg | Sigma | 2.5 | 6 | 2.5 | 6 | | | CloudChamber | 1 | PR 69 414 | May46 | RIC | Little,R.N.+ |
| Mg | Sigma | 3.0 | 4 | 1.1 | 5 | | Carbon | 4Pi*σ(90°) | 78 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Mg | Sigma | 1.5 | 7 | 1.5 | 7 | | | Diff Sig Int | 1 | NP 15 155 | Feb60 | CR | Cross,W.G.+ |
| Mg | Sigma | 2.0 | 6 | 5.0 | 6 | | H(n,n) | Diff Sig Int | 4 | PR 125 2049 | Mar62 | LAS | Thomson. |
| Mg | Sigma | 3.0 | 5 | 3.0 | 5 | | | Diff Sig Int | 1 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Mg | Sigma | 5.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 2 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | S | Another Reac | Diff Sig Int | 1 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Mg | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Mg | Sigma | 1.5 | 6 | 1.5 | 6 | | | Diff Sig Int | 1 | UPZ 13 1781 | Nov68 | UKR | Korzh. |
| Mg | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 21 | NP 15 155 | Feb60 | CR | Cross,W.G.+ |
| Mg | Ang Distrib | 1.9 | 6 | 4.8 | 6 | | H(n,n) | Biased Scint | 40 | PR 125 2049 | Mar62 | LAS | Thomson. |
| Mg | Ang Distrib | 3.0 | 5 | 3.0 | 5 | | | Threshold C | 8 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Mg | Ang Distrib | 5.0 | 5 | 8.0 | 5 | | | Threshold C | 16 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 13 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | At one Angle | TimeOfFlight | 13 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Mg | Ang Distrib | 5.9 | 5 | 9.3 | 5 | | Carbon | Biased Scint | 264 | BAP 10 576 A | Jun65 | ANL | Cox,S.A. |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 11 | NP 68 97 | Jun65 | ORL | Stelson. |
| Mg | Ang Distrib | 7.6 | 6 | 7.6 | 6 | | | TimeOfFlight | 13 | PEREY 68C | Mar68 | ORL | Perey. |
| Mg | Legendre Fit | 1.5 | 6 | 1.5 | 6 | | | | 6 | UPZ 13 1781 | Nov68 | UKR | Korzh. |
| Mg | Polarizat n-out | 3.3 | 6 | 3.3 | 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| Mg | Sigma | 2.5 | 6 | 2.5 | 6 | | | CloudChamber | 1 | PR 69 414 | May46 | RIC | Little,R.N.+ |
| Mg | Sigma | 2.5 | 6 | 2.5 | 6 | S | | Ion Chamber | 1 | PR 77 286 | Jan50 | OXF | Beghian,L.E.+ |
| Mg | Sigma | 2.5 | 6 | 2.5 | 6 | | | Ion Chamber | 1 | PR 82 969 | Jun51 | OXF | Grace,M.A.+ |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Mg | Sigma | 1.0 | 6 | 1.2 | 6 | | | $He^3$ Spec | 2 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Diff Sig Int | 1 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 14 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | Another Reac | TimeOfFlight | 14 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 22 | NP 68 97 | Jun65 | ORL | Stelson. |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 54 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Mg | Ang Distrib | 7.6 | 6 | 7.6 | 6 | | | TimeOfFlight | 26 | PEREY 68C | Mar68 | ORL | Perey. |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| Mg | Sigma | 2.5 | 6 | 2.5 | 6 | | $Co^{59}$ | Coincidences | 1 | PR 77 286 | Jan50 | OXF | Beghian,L.E.+ |
| Mg | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*σ(90°) | 3 | PR 102 767 | May56 | LAS | Day,R.B. |
| Mg | Sigma | 2.6 | 6 | 2.5 | 6 | N | | 4Pi*σ(90°) | 3 | PR 102 767 | May56 | LAS | Day,R.B. |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 1 | PPS 75 855 | 60 | ALD | Deuchars. |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | Carbon | CrystalScint | 5 | SPN- 241 | 61 | CCP | Nefedov. |
| Mg | Sigma | 1.6 | 6 | 4.0 | 6 | | Iron | CrystalScint | 36 | AE 16 103 | Feb64 | CCP | Broder,D.L.+ |
| Mg | Ang Distrib | 2.6 | 6 | 2.5 | 6 | | | Ring Geomtry | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| Mg | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 1 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| Mg | Sigma | 7.0 | 4 | 7.0 | 4 | | Carbon | 4Pi*σ(90°) | 1 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Mg | Sigma | 4.5 | 5 | 2.2 | 6 | | Carbon | Accelerator | 19 | ELWYN 70A | Jan70 | ANL | Elwyn. |
| Mg | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | | CrystalScint | 14 | RMP 4 1 | 55 | TEX | Okhuysen. |
| Mg | Ang Distrib | 3.0 | 4 | 1.4 | 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Mg | Ang Distrib | 4.5 | 5 | 2.2 | 6 | | Carbon | Accelerator | 95 | ELWYN 70A | Jan70 | ANL | Elwyn. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Mg | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mg | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Mirror Refl | 1 | CU- 97 11 | Nov51 | COL | Heindl. |
| Mg | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ACR 5 684 | 52 | HAR | Bacon. |
| Mg | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| Mg | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ACR 16 834 | Aug63 | AUA | Sabine. |
| Mg | σ(Incoherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | PRS 212 192 | Apr52 | CAV | |
| Mg | σ(Incoherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | AERE/R-1165 | 57 | HAR | Egelstaff. |
| Mg | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mg | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mg | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mg | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ACR 5 684 | 52 | HAR | Bacon. |
| Mg | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| Mg | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ACR 16 834 | Aug63 | AUA | Sabine. |
| | (n,p) REACTION | | | | | | | | | | | | |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | PR 108 779 | Nov57 | PEN | Verbinski. |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Biased Scint | 8 | PR 108 779 | Nov57 | PEN | Verbinski. |
| | p-EMISSION | | | | | | | | | | | | |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 6 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | CHARGED PART EMISS | | | | | | | | | | | | |
| Mg | Sigma | 1.3 | 7 | 2.1 | 7 | | | Activation | 8 | NP 47 157 | Aug63 | SAC | Jeronymo,J.M.F.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| Mg | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Mg | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Mg | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Mg | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | 58GENEVA/16- 34 | Sep58 | HAR | Rose. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION K-SECT (CONTINUED) | | | | | | | | | | | | |
| Mg | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pile Oscilat | 1 | KE 6 336 | Oct63 | ROS | Huettel,G.+ |
| Mg | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | CEA/R-2485 | 64 | FAR | Carre. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| Mg | Sigma | 4.1 | 6 | 4.1 | 6 | | Absolute | Shell Trans | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Activation | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Mg | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| Mg | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Mg | Sigma | 6.7 | 6 | 1.3 | 7 | | | Shell Trans | 5 | PR 110 1392 | Jun58 | LRL | Ball,W.P.+ |
| Mg | Sigma | 2.1 | 7 | 2.9 | 7 | | | Shell Trans | 3 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| Mg | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 16 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| Mg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight* | 8 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| Mg | Sigma | 2.9 | 6 | 2.9 | 6 | | Absolute | Ion Chamber | 1 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| Mg | Sigma | 8.3 | 7 | 8.3 | 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| Mg | Sigma | 2.5 | 6 | 2.5 | 6 | | H(n,n) | RecoilChambr | 1 | PR 77 286 | Jan50 | OXF | Beghian,L.E.+ |
| Mg | Sigma | 5.3 | 5 | 1.9 | 6 | | Absolute | Accelerator | 57 | PR 78 508 | Jun50 | MIN | Preier. |
| Mg | Sigma | 4.2 | 7 | 4.2 | 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Mg | Sigma | 1.0 | 4 | 8.0 | 5 | | Absolute | Accelerator | 138 | PR 83 479 | Jul51 | WIS | Fields,R.E.+ |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Mg | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Mg | Sigma | 4.0 | -4 | 2.3 | -3 | | Absolute | TimeOfFlight | 61 | PALEVSKY 54C | Mar54 | BNL | Palevsky. |
| Mg | Sigma | 1.4 | 7 | 1.8 | 7 | | Absolute | Accelerator | 3 | PR 94 651 | May54 | RIC | Cook. |
| Mg | Sigma | 2.8 | 6 | 1.3 | 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Mg | Sigma | 1.8 | 3 | 2.1 | 4 | | Absolute | Accelerator | 23 | HIBDON 56F | Jun56 | ANL | Hibdon. |
| Mg | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| Mg | Sigma | 2.3 | 6 | 2.7 | 6 | | Absolute | Accelerator | 14 | BAP 2 232 | Apr57 | TEX | Bennett. |
| Mg | Sigma | 1.1 | 7 | 1.1 | 7 | S | Absolute | Biased Scint | 1 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Mg | Sigma | 1.4 | 7 | 1.5 | 7 | | | Biased Scint | 19 | NP 6 260 | 58 | LVN | Vervier,J.P.+ |
| Mg | Sigma | 2.2 | 6 | 2.8 | 6 | | Absolute | Transmission* | 5 | IBK 8 145 | Mar58 | BKB | Brajovic,V.M.+ |
| Mg | Sigma | 4.0 | 5 | 1.9 | 7 | | Absolute | TimeOfFlight | 1077 | CRANBERG 58D | Apr58 | LAS | Thomson.+ |
| Mg | Sigma | 4.0 | 6 | 8.1 | 6 | | | CrystalScint | 38 | PR 110 466 | Apr58 | COL | Weil. |
| Mg | Sigma | 7.2 | 6 | 1.4 | 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Mg | Sigma | 1.1 | 4 | 3.7 | 5 | | Absolute | Accelerator | 128 | AP 8 211 | 59 | DKE | Newson. |
| Mg | Sigma | 2.0 | 6 | 3.2 | 6 | | Absolute | Accelerator | 26 | ASS 74 64 | 60 | LVN | |
| Mg | Sigma | 1.8 | 7 | 2.8 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Mg | Sigma | 2.8 | 7 | 2.8 | 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Mg | Sigma | 2.0 | 6 | 5.0 | 6 | | H(n,n) | Diff Sig Int | 3 | PR 125 2049 | Mar62 | LAS | Thomson. |
| Mg | Sigma | 2.8 | 6 | 5.2 | 6 | | Absolute | Accelerator | 92 | NP 48 408 | Oct63 | CAT | Calvi,G.+ |
| Mg | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Mg | Sigma | 5.1 | 5 | 1.5 | 6 | | | TimeOfFlight | 522 | SMITH 65K | Nov65 | ANL | Smith. |
| Mg | Sigma | 5.1 | 5 | 5.1 | 5 | | Absolute | TimeOfFlight | 1 | SMITH 65K | Nov65 | ANL | Smith. |
| Mg | Sigma | 1.2 | 7 | 1.5 | 7 | | Absolute | PlasticScint | 24 | NP 82 652 | Jul66 | WRD | Albergotti,J.C.+ |
| Mg | Sigma | 2.0 | 6 | 1.0 | 7 | | Absolute | TimeOfFlight | 346 | COO/1573- 6 | Sep66 | CSE | Shrader,E.F.+ |
| Mg | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 246 | FOSTER 67E | May67 | BNW | Foster. |
| Mg | Sigma | 4.5 | 6 | 1.4 | 7 | | Absolute | Accelerator | 501 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Mg | Sigma | 1.3 | 5 | 6.3 | 5 | | | | 421 | HIBDON 69 | 69 | ANL | Hibdon. |
| Mg | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| Mg | Sigma | 5.1 | 6 | 8.6 | 6 | | Absolute | TimeOfFlight* | 142 | ZAGO 71L | Dec71 | PAD | Pasoli,U.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| Mg | Γ(γ) | 8.2 | 4 | 8.2 | 4 | | | | 1 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| Mg | gΓ(γ) | 8.2 | 4 | 8.2 | 4 | | | | 1 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| | n-WIDTH | | | | | | | | | | | | |
| Mg | Γ(n,l=1) | 8.2 | 4 | 8.2 | 4 | | | | 1 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| Mg | Resonance Energy | 2.3 | 6 | 2.7 | 6 | | Absolute | Transmission* | 2 | IBK 8 145 | Mar58 | BKB | Brajovic,V.M.+ |
| Mg | Resonance Energy | 2.0 | 4 | 5.0 | 5 | | | | 6 | 65ANTWRP- 74 | Jul65 | COL | Garg,J.B.+ |
| Mg | Spin of Reson | 8.4 | 4 | 4.3 | 5 | | | | 3 | 65ANTWRP- 74 | Jul65 | COL | Garg,J.B.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| Mg | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 1 | YF 4 1154 | Dec66 | FEI | Salnikov,O.A.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Mg^{23}$ | Sigma | 1.2 | 4 | 1.3 | 5 | | Ratio | Activation | 11 | JNE 20 67 | Jan66 | CAD | Le Rigoleur,C.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | γ-Spectromet* | 1 | NP A150 305 | Jul70 | CTH | Selin,E.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Carbon | Ring Geomtry | 1 | YF 1 803 | May65 | LEB | Bochkarev,V.N.+ |
| $Mg^{24}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | Ring Geomtry | 8 | YF 1 803 | May65 | LEB | Bochkarev,V.N.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | σ(Total) | Crystal Spec | 1 | VINCI 66B | Feb66 | CAS | Vinci. |
| $Mg^{24}$ | Ang Distrib | 6.1 | 6 | 6.1 | 6 | | Absolute | TimeOfFlight | 14 | 65ANTWRP- 37 | Jul65 | HAR | Stewart,D.T.+ |
| $Mg^{24}$ | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | | TimeOfFlight | 13 | BAP 13 1420 | Nov68 | KTY | Mittler. |
| | INEL SCATTERING | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 2.9 | 6 | 2.9 | 6 | C | H(n,n) | Ring Geomtry | 1 | JPJ 14 699 | Jul59 | YOK | Hosoe,M.+ |
| $Mg^{24}$ | Sigma | 3.0 | 6 | 5.0 | 6 | | H(n,n) | Diff Sig Int | 3 | PR 125 2049 | Mar62 | LAS | Thomson. |
| $Mg^{24}$ | Sigma | 2.0 | 6 | 5.0 | 6 | | H(n,n) | 4Pi*σ(90°) | 2 | PR 125 2049 | Mar62 | LAS | Thomson. |
| $Mg^{24}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 1 | NP 60 349 | Nov64 | GLS | Stewart,D.T.+ |
| $Mg^{24}$ | Ang Distrib | 2.4 | 6 | 2.4 | 6 | | H(n,n) | Biased Scint | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| $Mg^{24}$ | Ang Distrib | 2.8 | 6 | 4.8 | 6 | | H(n,n) | Biased Scint | 30 | PR 125 2049 | Mar62 | LAS | Thomson. |
| $Mg^{24}$ | Ang Distrib | 6.1 | 6 | 6.1 | 6 | | Absolute | TimeOfFlight | 13 | 65ANTWRP- 37 | Jul65 | HAR | Stewart,D.T.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,n'γ) REACTION | | | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*σ(90°) | 1 | PR | 102 | 767 | May56 | LAS | Day,R.B. |
| $Mg^{24}$ | Sigma | 2.6 | 6 | 2.6 | 6 | N | | 4Pi*σ(90°) | 1 | PR | 102 | 767 | May56 | LAS | Day,R.B. |
| $Mg^{24}$ | Sigma | 2.9 | 6 | 2.9 | 6 | | | Diff Sig Int | 1 | PR | 124 | 1531 | Dec61 | KTY | Boring,J.W.+ |
| $Mg^{24}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | NP | 60 | 349 | Nov64 | GLS | Stewart,D.T.+ |
| $Mg^{24}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | JNE | 19 | 447 | Jun65 | GLS | Martin,P.W.+ |
| $Mg^{24}$ | Sigma | 3.0 | 6 | 4.3 | 6 | | | Diff Sig Int | 4 | NP | 73 | 561 | Nov65 | TNC | Mather. |
| $Mg^{24}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Another Reac | γ-Spectromet | 1 | LEB | 33 | 99 | 66 | LEB | Benetskii. |
| $Mg^{24}$ | Ang Distrib | 2.6 | 6 | 2.6 | 6 | | | Ring Geomtry | 1 | PR | 102 | 767 | May56 | LAS | Day,R.B. |
| $Mg^{24}$ | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | H(n,n) | Ring Geomtry | 1 | JPJ | 14 | 699 | Jul59 | YOK | Hosoe,M.+ |
| $Mg^{24}$ | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | Ratio | Ring Geomtry | 21 | JPJ | 14 | 699 | Jul59 | YOK | Hosoe,M.+ |
| $Mg^{24}$ | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | | CrystalScint | 5 | PR | 124 | 1531 | Dec61 | KTY | Boring,J.W.+ |
| $Mg^{24}$ | Ang Distrib | 2.9 | 6 | 3.6 | 6 | | Arb Units | CrystalScint | 14 | HPA | 35 | 3 | Feb62 | ETH | Brugger,H.R.+ |
| $Mg^{24}$ | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | $S^{32}(n,p)$ | γ-Spectromet | 1 | USNRDL- | | 916 | Oct65 | NRD | Engesser. |
| $Mg^{24}$ | Ang Distrib | 3.0 | 6 | 4.3 | 6 | | | TimeOfFlight | 31 | NP | 73 | 561 | Nov65 | TNC | Mather. |
| $Mg^{24}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | BAP | 12 | 124 | Feb67 | WVU | Eddy,J.K.+ |
| | (n,2n) REACTION | | | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 1.7 | 7 | 1.8 | 7 | | Copper | Coincidences | 8 | ARNOLD | | 65 | Nov65 | GEO | Arnold. |
| $Mg^{24}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | * | 1 | EANDC/E- | | 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Mg^{24}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | * | 1 | EANDC/E- | | 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| | (n,p) REACTION | | | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP | 31 | 267 | 53 | CR | Paul. |
| $Mg^{24}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | | Activation * | 12 | NP | 1 | 73 | 56 | UK | Cohen,A.V.+ |
| $Mg^{24}$ | Sigma | 1.3 | 7 | 1.3 | 7 | | | Activation | 1 | NP | 10 | 226 | Mar59 | NRD | Kern,B.D.+ |
| $Mg^{24}$ | Sigma | 1.2 | 7 | 2.0 | 7 | | H(n,n) | Activation | 24 | IMHOF | | 60 | 60 | LOK | Imhof. |
| $Mg^{24}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | JPR | 21 | 377 | May60 | FR | Depraz. |
| $Mg^{24}$ | Sigma | 1.0 | 7 | 1.4 | 7 | | H(n,n) | Activation | 5 | UCRL- | | 6028 | Jun60 | LRL | Tewes. |
| $Mg^{24}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 1 | NC | 17 | 634 | Sep60 | CIS | Colli,L.+ |
| $Mg^{24}$ | Sigma | 1.3 | 7 | 1.7 | 7 | | | Activation | 14 | PR | 128 | 1276 | Nov62 | KTY | Gabbard. |
| $Mg^{24}$ | Sigma | 4.9 | 6 | 2.0 | 7 | | $S^{32}(n,p)$ | Activation | 47 | CJP | 41 | 372 | 63 | CR | Butler. |
| $Mg^{24}$ | Sigma | 1.3 | 7 | 2.1 | 7 | | Absolute | Activation | 8 | NP | 47 | 157 | Aug63 | SAC | Jeronymo,J.M.F.+ |
| $Mg^{24}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | $S^{32}(n,p)$ | Activation | 1 | JNE | 18 | 417 | Aug64 | AUL | Boldeman,J.W.+ |
| $Mg^{24}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | $Co^{59}$ | | 1 | EANDC/E- | | 57 69 | Feb65 | MOL | Pabry. |
| $Mg^{24}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | H(n,n) | Activation * | 23 | JNE | 19 | 907 | Nov65 | GEL | Paulsen. |
| $Mg^{24}$ | Sigma | 6.1 | 6 | 8.2 | 6 | | H(n,n) | Activation * | 17 | NUK | 8 | 315 | Aug66 | GEL | Liskien,H.+ |
| $Mg^{24}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP A | 93 | 218 | Mar67 | TUR | Pasquarelli,A. |
| $Mg^{24}$ | Sigma | 1.2 | 7 | 1.4 | 7 | | | Activation | 53 | NP A | 98 | 65 | May67 | NRD | Ferguson. |
| $Mg^{24}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | Al(n,alpha) | Activation | 1 | NSE | 29 | 7 | Jul67 | ISP | Bresesti,A.M.+ |
| $Mg^{24}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Ratio | * | 11 | EANDC/E- | | 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Mg^{24}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | AE | 25 | 437 | Nov68 | CCP | Nasyrov. |
| $Mg^{24}$ | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP | 24 | 274 | Apr61 | HAR | Allan,D.L. |
| $Mg^{24}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 15 | NC | 17 | 634 | Sep60 | CIS | Colli,L.+ |
| $Mg^{24}$ | (θ,E)-Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 169 | NC | 17 | 634 | Sep60 | CIS | Colli,L.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Carbon | Ring Geomtry | 1 | YF | 1 | 803 | May65 | LEB | Bochkarev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR | 88 | 412 | Oct52 | ORL | Pomerance. |
| $Mg^{24}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR | 88 | 412 | Oct52 | ORL | Pomerance. |
| | NONELASTIC SCATT | | | | | | | | | | | | | | |
| $Mg^{24}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | σ(Total) | Crystal Spec | 1 | VINCI | | 66B | Feb66 | CAS | Vinci. |
| | n-WIDTH | | | | | | | | | | | | | | |
| $Mg^{24}$ | Γ(n) | 8.5 | 4 | 8.5 | 4 | | | | 1 | PR | 109 | 1620 | Mar58 | DKE | Block,R.C.+ |
| $Mg^{24}$ | Γ(n) | 8.3 | 4 | 2.6 | 5 | | | | 2 | AP | 8 | 211 | 59 | DKE | Newson. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| $Mg^{24}$ | Spin of Reson | 8.5 | 4 | 4.3 | 5 | | | | 3 | PR | 83 | 479 | Jul51 | WIS | Fields,R.E.+ |
| $Mg^{24}$ | Spin of Reson | 8.5 | 4 | 8.5 | 4 | | | | 1 | PR | 109 | 1620 | Mar58 | DKE | Block,R.C.+ |
| $Mg^{24}$ | Spin of Reson | 8.3 | 4 | 2.6 | 5 | | | | 2 | AP | 8 | 211 | 59 | DKE | Newson. |
| $Mg^{24}$ | Spin of Reson | 5.0 | 4 | 5.0 | 4 | | | | 1 | PL | 18 | 323 | Sep65 | ORL | Bergqvist. |
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| $Mg^{25}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | γ-Spectromet* | 1 | NP A | 150 | 305 | Jul70 | CTH | Selin,E.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | | | |
| $Mg^{25}$ | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*σ(90°) | 1 | PR | 102 | 767 | May56 | LAS | Day,R.B. |
| $Mg^{25}$ | Sigma | 2.6 | 6 | 2.6 | 6 | N | | 4Pi*σ(90°) | 1 | PR | 102 | 767 | May56 | LAS | Day,R.B. |
| $Mg^{25}$ | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | $S^{32}(n,p)$ | γ-Spectromet | 1 | USNRDL- | | 916 | Oct65 | NRD | Engesser. |
| | (n,p) REACTION | | | | | | | | | | | | | | |
| $Mg^{25}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP | 31 | 267 | 53 | CR | Paul. |
| $Mg^{25}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP | 8 | 139 | Sep58 | ARK | Nurmia,M.J.+ |
| $Mg^{25}$ | Sigma | 1.5 | 7 | 1.5 | 7 | N | | Activation | 1 | NP | 8 | 139 | Sep58 | ARK | Nurmia,M.J.+ |
| $Mg^{25}$ | Sigma | 1.3 | 7 | 1.7 | 7 | | H(n,n) | Activation * | 12 | EANDC/E- | | 66 42 | Feb66 | HAM | Bormann,M.+ |
| $Mg^{25}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 1 | NP | 85 | 476 | Sep66 | MUA | Rama Prasad,P.+ |
| $Mg^{25}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP A | 93 | 218 | Mar67 | TUR | Pasquarelli,A. |
| $Mg^{25}$ | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP | 24 | 274 | Apr61 | HAR | Allan,D.L. |
| | (n,d) REACTION | | | | | | | | | | | | | | |
| $Mg^{25}$ | Sigma | 1.3 | 7 | 2.8 | 7 | | Absolute | Activation | 8 | NP | 47 | 157 | Aug63 | SAC | Jeronymo,J.M.F. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| $Mg^{25}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR | 88 | 412 | Oct52 | ORL | Pomerance. |
| $Mg^{25}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | | 3 | AE | 14 | 185 | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | |
| $Mg^{25}$ | Sigma | 1.4 | 4 | 3.7 | 5 | | Absolute | Accelerator | 59 | AP | 8 | 211 | 59 | DKE | Newson. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | |
| $Mg^{25}$ | Γ(n) | 2.1 4 | 1.0 5 | | | | | 3 | AP 8 211 | 59 | DKE | Newson. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Mg^{25}$ | Spin of Reson | 2.1 4 | 1.0 5 | | | | | 3 | AP 8 211 | 59 | DKE | Newson. |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Mg^{25}$ | Nucl Temperature | 1.4 7 | 1.4 7 | | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Mg^{26}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Mg^{26}$ | Sigma | 2.4 4 | 2.4 4 | | | Activation | | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Mg^{26}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Mg^{26}$ | Sigma | 4.0 6 | 4.0 6 | | | Activation | | 1 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Mg^{26}$ | Sigma | 2.0 5 | 2.7 6 | | $I^{127}$ | Activation | | 2 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Mg^{26}$ | Sigma | 2.9 6 | 2.9 6 | | Indium | Activation | * | 1 | OSA 105 236 | Jun68 | IRK | Colditz,J.+ |
| $Mg^{26}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Mg^{26}$ | Resen Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Mg^{26}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | γ-Spectromet | * | 55 | NP A150 305 | Jul70 | CTH | Selin,E.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Mg^{26}$ | Sigma | 2.6 6 | 2.6 6 | | Absolute | $4Pi*\sigma(90°)$ | | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Mg^{26}$ | Sigma | 2.6 6 | 2.6 6 | N | | $4Pi*\sigma(90°)$ | | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Mg^{26}$ | Ang Distrib | 2.8 6 | 2.8 6 | | $S^{32}(n,p)$ | γ-Spectromet | | 1 | USNRDL- 916 | Oct65 | NRD | Engesser. |
| $Mg^{26}$ | Ang Distrib | 3.0 6 | 4.3 6 | | | TimeOfFlight | | 33 | NP 73 561 | Nov65 | TNC | Mather. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Mg^{26}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | NP 8 139 | Sep58 | ARK | Nurmia,M.J.+ |
| $Mg^{26}$ | Sigma | 1.5 7 | 1.5 7 | N | | Activation | | 1 | NP 8 139 | Sep58 | ARK | Nurmia,M.J.+ |
| $Mg^{26}$ | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate | * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,p)+(n,d)+(n,t) | | | | | | | | | | | |
| $Mg^{26}$ | Sigma | 1.3 7 | 2.1 7 | | Absolute | Activation | | 8 | NP 47 157 | Aug63 | SAC | Jercnymo,J.M.F.+ |
| | (n,$He^3$) REACTION | | | | | | | | | | | |
| $Mg^{26}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Mg^{26}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Mg^{26}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | NP 8 139 | Sep58 | ARK | Nurmia,M.J.+ |
| $Mg^{26}$ | Sigma | 1.5 7 | 1.5 7 | N | | Activation | | 1 | NP 8 139 | Sep58 | ARK | Nurmia,M.J.+ |
| $Mg^{26}$ | Sigma | 1.3 7 | 1.7 7 | | H(n,n) | Activation | * | 12 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| $Mg^{26}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | * | 1 | NP 85 476 | Sep66 | MUA | Rama Prasad,P.+ |
| $Mg^{26}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Mg^{26}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Mg^{26}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | | |
| $Mg^{26}$ | Γ(n) | 3.0 5 | 3.0 5 | | | | | 1 | AP 8 211 | 59 | DKE | Newson. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Mg^{26}$ | Spin of Reson | 3.0 5 | 3.0 5 | | | | | 1 | AP 8 211 | 59 | DKE | Newson. |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Mg^{27}$ | Permi Param: a | 1.4 7 | 1.4 7 | | | | * | 12 | NP 26 193 | Aug61 | TAT | Nair,K.G.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION | | | | | | | | | | | | | | |
| $Al^{26}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | NP 51 337 | | Feb64 | TUR | Bonazzola,G.C.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | | |
| $Al^{26}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | * | 1 | NP 51 337 | | Feb64 | TUR | Bonazzola,G.C.+ |
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| $Al^{27}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 1 | PR 75 1781 | | Jun49 | ANL | Hughes. |
| $Al^{27}$ | Sigma | 1.2 | 4 | 9.9 | 4 | | Boron | Activation | | 100 | PR 80 145 | | Oct50 | WIS | Henkel. |
| $Al^{27}$ | Sigma | 1.2 | 4 | 9.9 | 4 | N | Boron | Activation | | 100 | PR 80 145 | | Oct50 | WIS | Henkel. |
| $Al^{27}$ | Sigma | 4.0 | 5 | 3.8 | 6 | | Boron | Activation | | 66 | HENKEL 53A | | Jan53 | LAS | Henkel. |
| $Al^{27}$ | Sigma | 4.0 | 5 | 3.8 | 6 | N | Boron | Activation | | 65 | HENKEL 53A | | Jan53 | LAS | Henkel. |
| $Al^{27}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Na^{23}$ | Activation | * | 1 | GRIMELAND 56 | | 56 | KJL | Grimeland,B. |
| $Al^{27}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | PPS 72 505 | | 58 | ALD | Perkin,J.L.+ |
| $Al^{27}$ | Sigma | 2.5 | 4 | 8.3 | 5 | | | Shell Trans | | 3 | ZET 34 574 | | Mar58 | CCP | Belanova. |
| $Al^{27}$ | Sigma | 2.0 | 5 | 4.0 | 6 | | $I^{127}$ | Activation | | 3 | 58GENEVA/15- 50 | | Sep58 | CCP | Leipunsky. |
| $Al^{27}$ | Sigma | 2.1 | 4 | 2.1 | 4 | | $I^{127}$ | Activation | | 1 | AE 5 564 | | Nov58 | CCP | Kononov,V.N.+ |
| $Al^{27}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | Indium | Activation | | 1 | NP 9 569 | | 59 | LVN | Vervier,J.F. |
| $Al^{27}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | | 1 | SHER 62 | | 62 | BNL | Sher. |
| $Al^{27}$ | Sigma | 3.4 | 6 | 5.0 | 6 | | σ(E≠E(th)) | Activation | | 60 | NP 39 621 | | Dec62 | CAT | Calvi,G.+ |
| $Al^{27}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | NP 46 141 | | 63 | DEB | Csikai. |
| $Al^{27}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Crystal Spec | | 9 | YF 3 861 | | May66 | CCP | Bezotosnyi,V.M.+ |
| $Al^{27}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,p) | Activation | * | 1 | NP A 95 229 | | Mar67 | DEB | Csikai,J.+ |
| $Al^{27}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | Al(n,p) | Activation | * | 1 | JNE 21 797 | | Oct67 | DEB | Peto. |
| $Al^{27}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | | * | 1 | NP A111 360 | | Apr68 | UEN | Dinter,H. |
| $Al^{27}$ | Sigma | 4.0 | 3 | 1.4 | 5 | | | TimeOfFlight | | 608 | BLOCK 68E | | May68 | RPI | Block. |
| $Al^{27}$ | Sigma | 2.9 | 6 | 2.9 | 6 | | Indium | Activation | * | 1 | OSA 105 236 | | Jun68 | IRK | Colditz,J.+ |
| $Al^{27}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | * | 1 | NC B 58 402 | | Dec68 | MUA | Hasan,S.S.+ |
| $Al^{27}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | | 1 | NP A130 401 | | Jun69 | NJS | Cvelbar. |
| $Al^{27}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | | Feb70 | NPL | Ryves,T.B. |
| $Al^{27}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 419 | | Nov70 | NPL | Ryves,T.B.+ |
| $Al^{27}$ | Reson Integral | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation | * | 1 | AKE 15 83 | | Feb70 | GFK | Breitenhuber,L.+ |
| $Al^{27}$ | Reson Integral | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | | Feb70 | NPL | Ryves,T.B. |
| $Al^{27}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | Arb Units | γ-Spectromet | | 25 | AE 3 187 | | Sep57 | CCP | Groshev,L.V.+ |
| $Al^{27}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | γ's /100neut | Ge(Li)Detect | | 75 | EANDC/J- 8 | 3 | Jan68 | JAE | Kawarasaki,Y.+ |
| $Al^{27}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | γ's /100neut | Ge(Li)Detect | * | 96 | NP A126 392 | | Mar69 | CTH | Hardell,R.+ |
| | γ,EMISSION | | | | | | | | | | | | | | |
| $Al^{27}$ | Sigma | 2.3 | 6 | 2.9 | 6 | | Copper | Ion Chamber | | 7 | JMJ 23 925 | | 41 | JAP | Nonaka,I. |
| $Al^{27}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | γ-Spectromet | | 4 | AE 24 573 | | Jun68 | CCP | Maslov. |
| $Al^{27}$ | Sigma | 3.5 | 6 | 3.5 | 6 | | Iron | Diff Sig Int | | 5 | NP A115 476 | | Jul68 | KTY | Chung. |
| $Al^{27}$ | Ang Distrib | 7.8 | 6 | 7.8 | 6 | | | | | 1 | WASH-1021 | | Jun59 | RIC | Hall. |
| $Al^{27}$ | Ang Distrib | 7.8 | 6 | 7.8 | 6 | | | | | 3 | WASH-1021 52 | | Jun59 | RIC | Hall. |
| $Al^{27}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | | 7 | NSE 8 173 | | Sep60 | SOC | Caldwell. |
| $Al^{27}$ | Ang Distrib | 3.5 | 6 | 8.5 | 6 | | | CrystalScint | | 47 | NP 60 561 | | Dec64 | ALD | Perkin,J.L. |
| $Al^{27}$ | Ang Distrib | 5.5 | 6 | 8.5 | 6 | | Carbon | CrystalScint | | 38 | NP 60 561 | | Dec64 | ALD | Perkin,J.L. |
| $Al^{27}$ | Ang Distrib | 3.5 | 6 | 4.5 | 6 | | Lead | CrystalScint | | 9 | NP 60 561 | | Dec64 | ALD | Perkin,J.L. |
| $Al^{27}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | | 7 | YF 1 803 | | May65 | LEB | Bochkarev,V.N.+ |
| $Al^{27}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | Ring Geomtry | | 9 | YF 1 803 | | May65 | LEB | Bochkarev,V.N.+ |
| $Al^{27}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | | 12 | USNRDL- 861 | | Jun65 | NRD | Thompson. |
| $Al^{27}$ | Ang Distrib | 4.0 | 6 | 7.5 | 6 | | | γ-Spectromet | | 58 | NSE 40 294 | | May70 | LAS | Drake. |
| | ELASTIC SCATTERING | | | | | | | | | | | | | | |
| $Al^{27}$ | Sigma | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | | 1 | PR 92 114 | | Oct53 | BAR | Whitehead. |
| $Al^{27}$ | Sigma | 4.1 | 6 | 4.1 | 6 | | | Diff Sig Int | | 1 | PR 98 677 | | May55 | LAS | Walt,M.+ |
| $Al^{27}$ | Sigma | 7.0 | 4 | 1.1 | 5 | | Carbon | $4\pi i*\sigma(90°)$ | | 31 | PR 109 1620 | | Mar58 | DKE | Block,R.C.+ |
| $Al^{27}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | | 1 | PR 111 250 | | Jul58 | LAS | Coon. |
| $Al^{27}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | | 1 | PR 115 999 | | Aug59 | MON | Pierre,St. |
| $Al^{27}$ | Sigma | 2.2 | 5 | 2.2 | 5 | | | Ring Geomtry | | 1 | ZET 38 1434 | | May60 | CCP | Lovchikova. |
| $Al^{27}$ | Sigma | 3.1 | 6 | 3.1 | 6 | | | Diff Sig Int | | 1 | SPN- 224 | | 61 | CCP | Popov,V.I. |
| $Al^{27}$ | Sigma | 5.0 | 9 | 5.0 | 9 | C | | Count Telesc | | 1 | PR 123 1850 | | Sep61 | BRK | Atkinson,J.H.+ |
| $Al^{27}$ | Sigma | 9.8 | 5 | 4.0 | 6 | | H(n,n) | Diff Sig Int | | 4 | NP 39 300 | | Dec62 | ALD | Towle,J.H.+ |
| $Al^{27}$ | Sigma | 6.5 | 5 | 6.5 | 5 | | | Diff Sig Int | | 1 | UPZ 8 1323 | | 63 | UKR | Korzh. |
| $Al^{27}$ | Sigma | 3.0 | 5 | 3.0 | 5 | | | Diff Sig Int | | 1 | UPZ 8 1389 | | 63 | UKR | Korzh. |
| $Al^{27}$ | Sigma | 2.8 | 6 | 2.8 | 6 | | Absolute | Nuc Emulsion | | 1 | NP 43 339 | | May63 | RBZ | Winterhalter,D. |
| $Al^{27}$ | Sigma | 5.0 | 5 | 8.0 | 5 | | | Diff Sig Int | | 2 | AE 16 260 | | Mar64 | UKR | Korzh,I.A.+ |
| $Al^{27}$ | Sigma | 1.4 | 0 | 1.4 | 0 | | | | | 1 | NP 61 381 | | Jan65 | ORL | Rayburn,L.A. |
| $Al^{27}$ | Sigma | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | | 27 | NSE 26 500 | | Dec66 | ANL | Smith. |
| $Al^{27}$ | Sigma | 1.5 | 6 | 1.5 | 6 | | | Diff Sig Int | | 1 | UPZ 13 1781 | | Nov68 | UKR | Korzh. |
| $Al^{27}$ | Sigma | 2.5 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight | * | 8 | AE- 366 | | Jun69 | AE | Holmqvist,B.+ |
| $Al^{27}$ | Ang Distrib | 8.4 | 7 | 8.4 | 7 | | σ(Total) | | | 11 | PR 77 597 | | Mar50 | BRK | Bratenahl. |
| $Al^{27}$ | Ang Distrib | 3.0 | 8 | 3.0 | 8 | | | Ring Geomtry | | 9 | UCRL- 1938 | | Aug52 | BRK | Ball,W.P. |
| $Al^{27}$ | Ang Distrib | 2.5 | 6 | 2.5 | 6 | | | Ring Geomtry | | 1 | PM 43 1060 | | Oct52 | HAR | Poole,M.J. |
| $Al^{27}$ | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | | 25 | PR 92 114 | | Oct53 | BAR | Whitehead. |
| $Al^{27}$ | Ang Distrib | 2.7 | 6 | 2.7 | 6 | | σ(Total) | Ring Geomtry | | 11 | PR 98 634 | | May55 | TEX | Little,R.N.+ |
| $Al^{27}$ | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | Biased Scint | | 11 | PR 98 677 | | May55 | LAS | Walt,M.+ |
| $Al^{27}$ | Ang Distrib | 1.4 | 8 | 1.4 | 8 | | | Liquid Scint | | 12 | PM 1 1003 | | 56 | OXP | Van Zyl. |
| $Al^{27}$ | Ang Distrib | 6.0 | 5 | 6.0 | 5 | | | Hornyak Butn | | 15 | BOSTROM 56P | | Jun56 | TEX | Bostrom. |
| $Al^{27}$ | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | | 1 | PR 104 1069 | | Nov56 | WES | Weddell. |
| $Al^{27}$ | Ang Distrib | 2.5 | 6 | 7.0 | 6 | | | Proportion C | | 25 | PR 104 1319 | | Dec56 | LAS | Beyster,J.R.+ |
| $Al^{27}$ | Ang Distrib | 9.0 | 5 | 9.0 | 5 | | | Ring Geomtry | | 5 | AE 2 174 | | 57 | CCP | Lovchikova. |
| $Al^{27}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | | 18 | DOK 113 553 | | 57 | CCP | Khaletskii. |
| $Al^{27}$ | Ang Distrib | 3.5 | 8 | 3.5 | 8 | | | Count Telesc | | 8 | PPS 71 552 | | 58 | LVP | Ashmore. |
| $Al^{27}$ | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | | Biased Scint | | 13 | PR 109 2105 | | Mar58 | WES | Hill. |
| $Al^{27}$ | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | | Ring Geomtry | | 6 | PR 109 2105 | | Mar58 | WES | Hill. |
| $Al^{27}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | | 15 | PR 111 250 | | Jul58 | LAS | Coon. |
| $Al^{27}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | | 13 | JPJ 13 1248 | | Nov58 | KON | Yuasa,K. |
| $Al^{27}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | | 16 | PR 115 999 | | Aug59 | MON | Pierre,St. |
| $Al^{27}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | | 15 | PR 115 1010 | | Aug59 | LRL | Anderson,J.D.+ |
| $Al^{27}$ | Ang Distrib | 2.2 | 5 | 2.2 | 5 | | | Ring Geomtry | | 5 | ZET 38 1434 | | May60 | CCP | Lovchikova. |
| $Al^{27}$ | Ang Distrib | 9.6 | 7 | 9.6 | 7 | | Absolute | Scint Tank | | 6 | NP 21 15 | | Nov60 | OXP | Salmon,G.L. |
| $Al^{27}$ | Ang Distrib | 3.1 | 6 | 3.1 | 6 | | | Ion Chamber | | 10 | SPN- 224 | | 61 | CCP | Popov,V.I. |
| $Al^{27}$ | Ang Distrib | 3.5 | 6 | 4.8 | 6 | | | TimeOfFlight | | 42 | 61VIENNA/I- 75 | | Aug61 | JAE | Tsukada,K.+ |
| $Al^{27}$ | Ang Distrib | 2.4 | 7 | 2.4 | 7 | | | Biased Scint | | 28 | PR 125 276 | | Jan62 | LRL | Stuart. |
| $Al^{27}$ | Ang Distrib | 9.8 | 5 | 4.0 | 6 | | H(n,n) | Biased Scint | | 39 | NP 39 300 | | Dec62 | ALD | Towle,J.H.+ |
| $Al^{27}$ | Ang Distrib | 9.8 | 5 | 4.0 | 6 | | H(n,n) | TimeOfFlight | | 123 | NP 39 300 | | Dec62 | ALD | Towle,J.H.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ELASTIC SCATTERING (CONTINUED) | | | | | | | | | | |
| Al27 | Ang Distrib | 6.5 5 | 6.5 5 | | | Threshold C | 8 | UFZ 8 1323 | 63 | UKR | Korzh. |
| Al27 | Ang Distrib | 3.0 5 | 3.0 5 | | | Threshold C | 8 | UFZ 8 1389 | 63 | UKR | Korzh. |
| Al27 | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 1 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Al27 | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Al27 | Ang Distrib | 2.8 6 | 2.8 6 | | Absolute | Nuc Emulsion | 4 | NP 43 339 | May63 | RBZ | Winterhalter,D. |
| Al27 | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Al27 | Ang Distrib | 1.9 6 | 1.9 6 | | Carbon | Liquid Scint | 10 | PR 135B 412 | Jul64 | BNL | Bredin,D.J.+ |
| Al27 | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 9 | NP 68 97 | Jun65 | ORL | Stelson. |
| Al27 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 7 | PR 140B 835 | Nov65 | TUR | Bonazzola. |
| Al27 | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Al27 | Ang Distrib | 7.6 6 | 7.6 6 | | | TimeOfFlight | 13 | PEREY 68C | Mar68 | ORL | Perey. |
| Al27 | Ang Distrib | 5.9 6 | 5.9 6 | | At one Angle | TimeOfFlight* | 21 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| Al27 | Ang Distrib | 8.0 6 | 8.0 6 | | | TimeOfFlight | 13 | BAP 13 1420 | Nov68 | KTY | Mittler. |
| Al27 | Ang Distrib | 2.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 135 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Al27 | Ang Distrib | 4.8 6 | 8.0 6 | | H(n,n) | TimeOfFlight | 52 | 70HELSNK/II-317 | Jun70 | JAE | Tanaka,S.+ |
| Al27 | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 108 | NSE 26 500 | Dec66 | ANL | Smith. |
| Al27 | Legendre Fit | 1.5 6 | 1.5 6 | | | | 6 | UFZ 13 1781 | Nov68 | UKR | Korzh. |
| Al27 | Legendre Fit | 2.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 59 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Al27 | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Al27 | Sigma | 8.3 9 | 8.3 9 | | | Count Telesc | 1 | ZET 42 909 | Mar62 | DUB | Pantuev. |
| Al27 | Sigma | 1.4 6 | 4.0 6 | | Norm To Abs | 4Pi*σ(90°) | 10 | NP 39 300 | Dec62 | ALD | Towle,J.H.+ |
| Al27 | Sigma | 2.0 6 | 4.0 6 | | H(n,n) | Diff Sig Int | 6 | NP 39 300 | Dec62 | ALD | Towle,J.H.+ |
| Al27 | Sigma | 1.6 6 | 4.0 6 | | H(n,n) | TimeOfFlight | 10 | NP 39 300 | Dec62 | ALD | Towle,J.H.+ |
| Al27 | Sigma | 2.8 6 | 2.8 6 | | Absolute | Diff Sig Int | 2 | NP 43 339 | May63 | RBZ | Winterhalter,D. |
| Al27 | Sigma | 1.0 6 | 1.2 6 | | | $He^3$ Spec | 4 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 4 | PR 140B 835 | Nov65 | TUR | Bonazzola. |
| Al27 | Sigma | 1.2 6 | 1.5 6 | | Carbon | TimeOfFlight | 20 | NSE 26 500 | Dec66 | ANL | Smith. |
| Al27 | Sigma | 7.0 6 | 7.0 6 | | H(n,n) | 4Pi*σ(90°) | 21 | NP A100 257 | Jul67 | ALD | Towle,J.H.+ |
| Al27 | Sigma | 5.9 6 | 5.9 6 | | At one Angle | TimeOfFlight | 4 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| Al27 | Sigma | 3.5 6 | 3.5 6 | | | | 5 | NP A115 476 | Jul68 | KTY | Chung. |
| Al27 | Sigma | 3.5 6 | 3.5 6 | | Iron | Diff Sig Int | 5 | NP A115 476 | Jul68 | KTY | Chung. |
| Al27 | Sigma | 2.0 6 | 4.5 6 | | H(n,n) | TimeOfFlight* | 36 | 70HELSNK/II-349 | Jun70 | AE | Almen,E.+ |
| Al27 | Ang Distrib | 2.5 6 | 2.5 6 | | | Ring Geomtry | 1 | PM 43 1060 | Oct52 | HAR | Poole,M.J. |
| Al27 | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Al27 | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 3 | PR 104 1069 | Nov56 | WES | Weddell. |
| Al27 | Ang Distrib | 3.5 6 | 4.8 6 | | | TimeOfFlight | 99 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| Al27 | Ang Distrib | 4.0 6 | 4.0 6 | | H(n,n) | Diff Sig Int | 5 | NP 39 300 | Dec62 | ALD | Towle,J.H.+ |
| Al27 | Ang Distrib | 2.0 6 | 4.0 6 | | H(n,n) | TimeOfFlight | 63 | NP 39 300 | Dec62 | ALD | Towle,J.H.+ |
| Al27 | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 3 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Al27 | Ang Distrib | 2.8 6 | 2.8 6 | | Absolute | Nuc Emulsion | 8 | NP 43 339 | May63 | RBZ | Winterhalter,D. |
| Al27 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 1 | BAP 10 498 | Apr65 | LRL | Schectman,R.M.+ |
| Al27 | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 30 | NP 68 97 | Jun65 | ORL | Stelson. |
| Al27 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 28 | PR 140B 835 | Nov65 | TUR | Bonazzola. |
| Al27 | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 40 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Al27 | Ang Distrib | 7.6 6 | 7.6 6 | | | TimeOfFlight | 57 | PEREY 68C | Mar68 | ORL | Perey. |
| Al27 | Ang Distrib | 5.9 6 | 5.9 6 | | At one Angle | TimeOfFlight | 36 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| Al27 | Ang Distrib | 8.0 6 | 8.0 6 | | | TimeOfFlight | 39 | BAP 13 1420 | Nov68 | KTY | Mittler. |
| Al27 | Ang Distrib | 4.8 6 | 8.0 6 | | H(n,n) | TimeOfFlight | 307 | 70HELSNK/II-317 | Jun70 | JAE | Tanaka,S.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 4 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| Al27 | Sigma | 1.0 6 | 2.8 6 | | Iron | γ-Spectromet | 236 | PR 95 989 | Aug54 | MIT | Kiehn,R.M.+ |
| Al27 | Sigma | 2.6 6 | 2.6 6 | | Absolute | 4Pi*σ(90°) | 3 | PR 102 767 | May56 | LAS | Day,R.B. |
| Al27 | Sigma | 2.6 6 | 2.6 6 | N | | 4Pi*σ(90°) | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| Al27 | Sigma | 3.5 6 | 4.6 6 | | | 4Pi*σ(90°) | 22 | PR 103 1031 | Aug56 | TEX | Morgan,I.L. |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | Carbon | CrystalScint | 5 | SPN- 241 | 61 | CCP | Nefedov. |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | Carbon | Diff Sig Int | 1 | YF 1 803 | May65 | LEB | Bochkarev,V.N.+ |
| Al27 | Sigma | 1.8 6 | 2.0 6 | | | TimeOfFlight | 3 | 65ANTWRP- 24 | Jul65 | HAR | Armitage,B.H.+ |
| Al27 | Sigma | 3.6 6 | 4.6 6 | | | Diff Sig Int | 38 | NP 73 561 | Nov65 | TNC | Mather. |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | Another Reac | γ-Spectromet | 3 | LEB 33 99 | 66 | LEB | Benetskii. |
| Al27 | Sigma | 3.5 6 | 3.5 6 | | Iron | Diff Sig Int | 5 | NP A115 476 | Jul68 | KTY | Chung. |
| Al27 | Sigma | 8.7 5 | 1.3 7 | | | TimeOfFlight* | 4717 | VOSS 72B | Feb72 | KPK | Voss,P. |
| Al27 | Ang Distrib | 1.4 7 | 1.4 7 | | $Co^{59}$ | CrystalScint | 4 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| Al27 | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 3 | PR 100 83 | Oct55 | BAR | Rothman,M.A.+ |
| Al27 | Ang Distrib | 2.5 6 | 2.5 6 | | $Co^{59}$ | | 2 | SCHERRER 55J | Oct55 | NRL | Scherrer. |
| Al27 | Ang Distrib | 2.6 6 | 2.6 6 | | | Ring Geomtry | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| Al27 | Ang Distrib | 3.5 6 | 4.6 6 | | | Ring Geomtry | 23 | PR 103 1031 | Aug56 | TEX | Morgan,I.L. |
| Al27 | Ang Distrib | 2.9 6 | 2.9 6 | | H(n,n) | Ring Geomtry | 3 | JPJ 14 699 | Jul59 | YOK | Hosoe,M.+ |
| Al27 | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 4 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| Al27 | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 4 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| Al27 | Ang Distrib | 2.8 6 | 2.8 6 | | $S^{32}(n,p)$ | γ-Spectromet | 3 | USNRDL- 916 | Oct65 | NRD | Engesser. |
| Al27 | Ang Distrib | 3.6 6 | 4.6 6 | | | TimeOfFlight | 154 | NP 73 561 | Nov65 | TNC | Mather. |
| Al27 | Ang Distrib | 1.4 7 | 1.4 7 | | | CrystalScint | 2 | BAP 12 124 | Feb67 | WVU | Eddy,J.K.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Al27 | Sigma | 9.8 5 | 4.0 6 | | | | 4 | NP 39 300 | Dec62 | ALD | Towle,J.H.+ |
| Al27 | Sigma | 2.8 6 | 2.8 6 | | Absolute | Nuc Emulsion | 1 | NP 43 339 | May63 | RBZ | Winterhalter,D. |
| Al27 | Sigma | 2.0 5 | 2.2 6 | | Carbon | Accelerator | 24 | NP 59 113 | 64 | ANL | Elwyn. |
| Al27 | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 100 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Al27 | Ang Distrib | 5.0 9 | 5.0 9 | | | Count Telesc | 3 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| Al27 | Ang Distrib | 2.0 5 | 2.2 6 | | Carbon | Accelerator | 120 | NP 59 113 | 64 | ANL | Elwyn. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Al27 | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Al27 | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Al27 | σ(Coherent) | 9.4 0 | 9.4 0 | | | | 1 | ZP 186 23 | Jun65 | MUN | Triftshauser,W. |
| Al27 | σ(Incoherent) | 2.5 -2 | 2.5 -2 | | | | 1 | ZN A 19 354 | Mar64 | MUN | Scherm,R.+ |
| Al27 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Al27 | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Al27 | σ(Bound Atom) | 9.4 0 | 9.4 0 | | | | 1 | ZP 186 23 | Jun65 | MUN | Triftshauser,W. |
| Al27 | σ(Free Atom) | 4.0 -4 | 1.8 -3 | | | | 5 | ZN A 19 354 | Mar64 | JUL | Scherm,R.+ |
| Al27 | σ(Free Atom) | 9.4 0 | 9.4 0 | | | | 1 | ZP 186 23 | Jun65 | MUN | Triftshauser,W. |
| Al27 | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MISC SCATT QUANT (CONTINUED) | | | | | | | | | | |
| $Al^{27}$ | Scatt Amplitude | 4.5 -4 | 4.5 -4 | | | Mirror Refl * | 1 | ZN A 26 391 | Mar71 | MUN | Koester,L.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Al^{27}$ | Sigma | 1.6 7 | 2.0 7 | | Another Reac | Activation | 9 | NP 19 535 | Nov60 | HAR | Mani. |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 46 141 | 63 | DEB | Csikai. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.8 7 | | Copper | Coincidences | 9 | ARNOLD 65 | Nov65 | GEO | Arnold. |
| | (n,p) REACTION | | | | | | | | | | |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | PR 88 1309 | Dec52 | LAS | Forbes. |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Al^{27}$ | Sigma | 2.6 6 | 5.2 6 | | | | 38 | HENKEL 54 | 54 | LAS | Henkel.+ |
| $Al^{27}$ | Sigma | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 1 | PM 2 785 | 57 | GLS | Brown. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 1 | JPJ 12 443 | May57 | KON | Yasumi. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PR 106 971 | Jun57 | BRN | Haling. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | PR 108 779 | Nov57 | PEN | Verbinski. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Al^{27}$ | Sigma | 1.3 7 | 1.7 7 | | $\sigma(E \neq E(th))$ | Activation | 29 | BAP 4 97 | Mar59 | TNC | Hudson. |
| $Al^{27}$ | Sigma | 1.3 7 | 1.5 7 | | Absolute | Activation | 4 | BAP 4 97 | Mar59 | TNC | Hudson. |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint* | 1 | PPS 75 526 | 60 | GLS | Jack,W.+ |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | JPR 21 377 | May60 | PR | Depraz. |
| $Al^{27}$ | Sigma | 1.2 7 | 2.1 7 | | $\sigma(E \neq E(th))$ | Activation | 17 | NP 19 535 | Nov60 | HAR | Mani. |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Arb Units | Nuc Emulsion* | 58 | NP 26 193 | Aug61 | TAT | Nair,K.G.+ |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 1 | JPJ 16 1869 | Oct61 | KON | Sakisaka,M.+ |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| $Al^{27}$ | Sigma | 1.3 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 4 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | LANGMANN 62I | Sep62 | HAM | Langmann. |
| $Al^{27}$ | Sigma | 1.2 7 | 1.8 7 | | | Activation | 15 | PR 128 1276 | Nov62 | KTY | Gabbard. |
| $Al^{27}$ | Sigma | 2.6 6 | 5.1 6 | | $\sigma(E \neq E(th))$ | Activation | 49 | NP 39 621 | Dec62 | CAT | Calvi,G.+ |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 46 141 | 63 | DEB | Csikai. |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 51 337 | Feb64 | TUR | Bonazzola,G.C.+ |
| $Al^{27}$ | Sigma | 1.0 6 | 1.0 6 | | $S^{32}(n,p)$ | Activation | 1 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| $Al^{27}$ | Sigma | 4.4 6 | 4.4 6 | | | Activation | 1 | PHY 30 1846 | Dec64 | NED | Heertje,I.+ |
| $Al^{27}$ | Sigma | 1.0 6 | 1.0 6 | | | | 1 | EANDC/E- 57 71 | Feb65 | MOL | Fabry,A.+ |
| $Al^{27}$ | Sigma | 1.4 7 | 2.2 7 | | | Solidstate C | 9 | IKP- 11 | May65 | PRK | Debertin,K.+ |
| $Al^{27}$ | Sigma | 6.0 6 | 9.0 6 | | H(n,n) | Activation | 121 | EANDC/E- 66 64 | Feb66 | PRK | Bass,R.+ |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | NP 83 157 | Jul66 | BOS | Mitra,B.+ |
| $Al^{27}$ | Sigma | 1.2 7 | 1.8 7 | | | Activation | 40 | NP A 98 65 | May67 | NRD | Ferguson. |
| $Al^{27}$ | Sigma | 7.9 6 | 7.9 6 | | H(n,n) | Diff Sig Int | 3 | NP A101 473 | Sep67 | PRK | Debertin,K.+ |
| $Al^{27}$ | Sigma | 7.9 6 | 7.9 6 | | Ratio | | 2 | NP A101 473 | Sep67 | PRK | Debertin,K.+ |
| $Al^{27}$ | Sigma | 1.4 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 26 | NC B 54 53 | Mar68 | CAT | Cuzzocrea,P.+ |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | PINK 68H | Aug68 | GIT | Pink. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | SUHP/69- 2 | Jan69 | LRL | Barrall. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | NP A138 85 | Nov69 | AUW | Rama Prasad,P.+ |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| $Al^{27}$ | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Al^{27}$ | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Al^{27}$ | $\sigma$(Direct) | 1.4 7 | 2.2 7 | | | Solidstate C | 9 | IKP- 11 | May65 | PRK | Debertin,K.+ |
| $Al^{27}$ | Ang Distrib | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 13 | PM 2 785 | 57 | GLS | Brown. |
| $Al^{27}$ | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Biased Scint | 1 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| $Al^{27}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 111 | PR 115 993 | Aug59 | BRN | Overseth. |
| $Al^{27}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | Nuc Emulsion* | 40 | NP 26 193 | Aug61 | TAT | Nair,K.G.+ |
| $Al^{27}$ | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | Proportion C | 53 | NP 44 597 | Jul63 | MUA | Mohindra,R.K.+ |
| $Al^{27}$ | Ang Distrib | 7.9 6 | 2.2 7 | | | Count Telesc | 84 | IKP- 11 | May65 | PRK | Debertin,K.+ |
| $Al^{27}$ | Ang Distrib | 7.9 6 | 2.2 7 | | Absolute | Count Telesc | 84 | IKP- 11 | May65 | PRK | Debertin,K.+ |
| $Al^{27}$ | (θ,E)-Distrib | 7.9 6 | 2.2 7 | | Absolute | Count Telesc | 252 | IKP- 11 | May65 | PRK | Debertin,K.+ |
| | (n,np) REACTION | | | | | | | | | | |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Ratio | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | p-EMISSION | | | | | | | | | | |
| $Al^{27}$ | Sigma | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 1 | PM 2 785 | 57 | GLS | Brown. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | | Count Telesc | 1 | NP 24 630 | May61 | CBR | Glover,R.N.+ |
| $Al^{27}$ | Ang Distrib | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 28 | PM 2 785 | 57 | GLS | Brown. |
| $Al^{27}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 5 | PR 106 971 | Jun57 | BRN | Haling. |
| $Al^{27}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Count Telesc | 91 | NP 24 630 | May61 | CBR | Glover,R.N.+ |
| $Al^{27}$ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 6 | PR 125 1011 | Feb62 | BRN | Hassler. |
| $Al^{27}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Count Telesc | 12 | NP 44 597 | Jul63 | MUA | Mohindra,R.K.+ |
| | (n,d) REACTION | | | | | | | | | | |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | | Count Telesc | 1 | NP 24 630 | May61 | CBR | Glover,R.N.+ |
| $Al^{27}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Count Telesc | 37 | NP 24 630 | May61 | CBR | Glover,R.N.+ |
| $Al^{27}$ | Ang Distrib | 2.2 7 | 2.2 7 | | | Count Telesc | 21 | IKP- 11 | May65 | PRK | Debertin,K.+ |
| $Al^{27}$ | Ang Distrib | 2.2 7 | 2.2 7 | | Absolute | Count Telesc | 62 | IKP- 11 | May65 | PRK | Debertin,K.+ |
| | (n,t) REACTION | | | | | | | | | | |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | | Proportion C | 1 | APR/ARK- 14 | Jan63 | ARK | |
| $Al^{27}$ | Sigma | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation | 1 | HPA 36 298 | May63 | ETH | Heinrich,P.+ |
| | (n,$He^3$) REACTION | | | | | | | | | | |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 117 1568 | Mar60 | ARK | Kumabe. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 1 | HPA 42 252 | Jul46 | BAS | Boschung,P.+ |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | PR 88 1309 | Dec52 | LAS | Forbes. |
| $Al^{27}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Al^{27}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | JPJ 12 443 | May57 | KON | Yasumi. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,alpha) REACTION (CONTINUED) | | | | | | | | | | | | | |
| Al27 | Sigma | 6.7 | 6 | 1.4 | 7 | | $U^{238}(n,f)$ | Activation | | 7 | PR 109 425 | Jan58 | LAS | Grundl. |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | C | Absolute | Nuc Emulsion | | 1 | JPJ 13 325 | Apr58 | KTO | Kumabe, I.+ |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | | 1 | NP 13 88 | 59 | MUA | Khurana. |
| Al27 | Sigma | 1.3 | 7 | 1.6 | 7 | | | Activation | | 12 | NP 10 226 | Mar59 | NRD | Kern, B.D.+ |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| Al27 | Sigma | 1.3 | 7 | 1.8 | 7 | | H(n,n) | Activation | | 4 | IMHOF 60 | 60 | LOK | Imhof. |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | * | 1 | JPR 21 377 | May60 | PR | Depraz. |
| Al27 | Sigma | 8.4 | 6 | 1.5 | 7 | | H(n,n) | Activation | | 15 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| Al27 | Sigma | 1.2 | 7 | 2.1 | 7 | | $\sigma(E \neq E(th))$ | Activation | | 24 | NP 19 535 | Nov60 | HAR | Mani. |
| Al27 | Sigma | 7.0 | 6 | 2.0 | 7 | | $U^{238}(n,f)$ | Activation | | 15 | JIN 23 173 | 61 | LAS | Prestwood. |
| Al27 | Sigma | 6.1 | 6 | 1.5 | 7 | | $U^{238}(n,f)$ | Activation | | 39 | PR 121 827 | Feb61 | ORL | Schmitt. |
| Al27 | Sigma | 1.3 | 7 | 2.0 | 7 | | | Activation | * | 5 | JPR 22 602 | Oct61 | HAM | Bormann. |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | NP 30 49 | Feb62 | RBZ | Strohal, P.+ |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | | | | 1 | LANGMANN 62I | Sep62 | HAM | Langmann. |
| Al27 | Sigma | 1.2 | 7 | 1.8 | 7 | | | Activation | | 23 | PR 128 1276 | Nov62 | KTY | Gabbard. |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | Arb Units | Nuc Emulsion | * | 8 | NP 39 263 | Dec62 | IRK | Patzak, W.+ |
| Al27 | Sigma | 4.9 | 6 | 2.0 | 7 | | $S^{32}(n,p)$ | Activation | | 46 | CJP 41 372 | 63 | CR | Butler. |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | NP 46 141 | 63 | DEB | Csikai. |
| Al27 | Sigma | 1.3 | 7 | 2.1 | 7 | | | Activation | | 8 | NP 47 157 | Aug63 | SAC | Jeronymo, J.M.P.+ |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | EANDC/E- 49 4 | Oct63 | HAM | Bormann, M.+ |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | NP 51 337 | Feb64 | TUR | Bonazzola, G.C.+ |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | AE 16 370 | Apr64 | CCP | Aron, P.M.+ |
| Al27 | Sigma | 1.0 | 6 | 1.0 | 6 | | $S^{32}(n,p)$ | Activation | | 1 | JNE 18 417 | Aug64 | AUL | Boldeman, J.W.+ |
| Al27 | Sigma | 4.4 | 6 | 4.4 | 6 | | | Activation | | 1 | PHY 30 1846 | Dec64 | NED | Heertje, I.+ |
| Al27 | Sigma | 1.0 | 6 | 1.0 | 6 | | $Co^{59}$ | | | 1 | EANDC/E- 57 69 | Feb65 | MOL | Fabry. |
| Al27 | Sigma | 1.0 | 6 | 1.0 | 6 | | $Co^{59}$ | CrystalScint | | 1 | EANDC/E- 57 69 | Feb65 | MOL | Fabry. |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | | 1 | NP 68 387 | Jun65 | HAM | Seebeck, U.+ |
| Al27 | Sigma | 1.3 | 7 | 2.0 | 7 | | H(n,n) | Activation | * | 23 | JNE 19 907 | Nov65 | GEL | Paulsen. |
| Al27 | Sigma | 6.1 | 6 | 8.2 | 6 | | H(n,n) | Activation | * | 17 | NUK 8 315 | Aug66 | GEL | Liskien, H.+ |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | | 1 | ZP 199 275 | Jan67 | TUR | Minetti, B.+ |
| Al27 | Sigma | 2.0 | 6 | 2.0 | 6 | | | Activation | | 1 | NUK 9 228 | Mar67 | MUN | Rao, G. |
| Al27 | Sigma | 1.2 | 7 | 1.5 | 7 | | | Activation | | 54 | NP A 98 65 | May67 | NRD | Ferguson. |
| Al27 | Sigma | 1.4 | 7 | 1.5 | 7 | | Arb Units | Activation | * | 50 | ZP 207 64 | Oct67 | HAM | Bormann, M.+ |
| Al27 | Sigma | 6.1 | 6 | 1.9 | 7 | | $U^{235}(n,f)$ | Activation | | 10 | PR 163 1308 | Nov67 | LOK | Menlove. |
| Al27 | Sigma | 1.4 | 7 | 1.5 | 7 | | Ratio | | * | 11 | EANDC/E- 89 37 | Feb68 | MUN | Vonach, H.K.+ |
| Al27 | Sigma | 1.4 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | * | 27 | NC B 54 53 | Mar68 | CAT | Cuzzocrea, P.+ |
| Al27 | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | JIN 31 1 | Jan69 | BIA | Crumpton, D.+ |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Activation | * | 1 | NP A138 387 | Dec69 | LRL | Barrall. |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * | 1 | ZP 237 155 | Sep70 | IRK | Vonach, H.+ |
| Al27 | Sigma | 1.4 | 7 | 1.5 | 7 | | Al(n,alpha) | Extrapolatn | * | 13 | ZP 237 155 | Sep70 | IRK | Vonach, H.+ |
| Al27 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Nuc Emulsion | * | 5 | NP 39 263 | Dec62 | IRK | Patzak, W.+ |
| Al27 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Count Telesc | | 57 | PPS 81 800 | May63 | GLS | Irfan, M.+ |
| Al27 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | CrystalScint | | 24 | NP 68 387 | Jun65 | HAM | Seebeck, U.+ |
| Al27 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | | 8 | NP 68 387 | Jun65 | HAM | Seebeck, U.+ |
| Al27 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | CrystalScint | | 16 | NP 68 387 | Jun65 | HAM | Seebeck, U.+ |
| | alpha-EMISSION | | | | | | | | | | | | | |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | C | Absolute | Nuc Emulsion | | 1 | PR 106 155 | Apr57 | KTO | Kumabe, I.+ |
| Al27 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | Nuc Emulsion | | 9 | PR 106 155 | Apr57 | KTO | Kumabe, I.+ |
| | CHARGED PART EMISS | | | | | | | | | | | | | |
| Al27 | Legendre Fit | 7.9 | 6 | 7.9 | 6 | | Ratio | | | 6 | NP A101 473 | Sep67 | FRK | Debertin, K.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| Al27 | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | | 1 | JPR 12 584 | May51 | PAR | Benoist. |
| Al27 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | | 1 | JPR 12 584 | May51 | PAR | Benoist. |
| Al27 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | | 1 | PR 83 641 | Aug51 | ORL | Pomerance, H. |
| Al27 | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | | 1 | 58GENEVA/16- 34 | Sep58 | HAR | Rose. |
| Al27 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | | 1 | 58GENEVA/16- 34 | Sep58 | HAR | Rose. |
| Al27 | Sigma | 2.5 | -2 | 2.5 | -2 | | | | | 1 | NUK 2 139 | Jun60 | KFK | Brose, M.+ |
| Al27 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | | 1 | JAERI-1009 | Jul60 | JAE | Fuketa, T.+ |
| Al27 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pile Oscilat | | 1 | TATTERSALL 63 | 63 | HAR | Tattersall. |
| Al27 | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | | 1 | CEA/R-2485 | 64 | SAC | Carre. |
| | NONELASTIC SCATT | | | | | | | | | | | | | |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | | 1 | PR 88 600 | Nov52 | LAS | Phillips, D.D.+ |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | | 1 | PR 99 343 | Jan53 | LAS | Graves. |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | | 1 | PR 97 1205 | Mar55 | LAS | Graves, E.R.+ |
| Al27 | Sigma | 4.1 | 6 | 4.1 | 6 | | | Total | | 1 | PR 98 677 | May55 | LAS | Walt, M.+ |
| Al27 | Sigma | 4.0 | 6 | 4.5 | 6 | | | Shell Trans | | 2 | PR 98 1216 | Jun55 | LAS | Beyster, J.R.+ |
| Al27 | Sigma | 3.3 | 6 | 4.1 | 6 | | Absolute | Shell Trans | | 2 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Activation | | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Al27 | Sigma | 3.5 | 6 | 1.4 | 7 | | Absolute | Shell Trans | | 5 | PR 100 174 | Oct55 | RIC | Taylor, H.L.+ |
| Al27 | Sigma | 1.0 | 6 | 1.0 | 6 | | | Shell Trans | | 3 | LA-1429 | Dec55 | LAS | Beyster, J.R.+ |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | | 1 | AE 1 155 | 56 | CCP | Flerov. |
| Al27 | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Al27 | Sigma | 1.8 | 6 | 7.0 | 6 | | Absolute | Shell Trans | | 4 | PR 104 1319 | Dec56 | LAS | Beyster, J.R.+ |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | | 1 | AE 2 68 | 57 | UKR | Strizhak, V.I. |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | | 1 | PR 108 726 | Nov57 | LRL | Macgregor, M.H.+ |
| Al27 | Sigma | 7.3 | 6 | 1.3 | 7 | | | Shell Trans | | 5 | PR 110 1392 | Jun58 | LRL | Ball, W.P.+ |
| Al27 | Sigma | 2.6 | 7 | 2.6 | 7 | | Absolute | Shell Trans | | 1 | PR 111 1155 | Aug58 | LRL | Macgregor, M.H.+ |
| Al27 | Sigma | 2.9 | 6 | 2.9 | 6 | | | Proportion C | | 1 | AE 5 565 | Dec58 | CCP | Kukhtevich, V.I.+ |
| Al27 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Total | | 1 | PR 115 999 | Aug59 | MON | Pierre, St. |
| Al27 | Sigma | 3.1 | 6 | 3.1 | 6 | | | Total | | 1 | SPN- 224 | 61 | CCP | Popov, V.I. |
| Al27 | Sigma | 5.0 | 9 | 5.0 | 9 | | | Count Telesc | | 1 | PR 123 1850 | Sep61 | BRK | Atkinson, J.H.+ |
| Al27 | Sigma | 1.4 | 7 | 1.6 | 7 | | Absolute | Shell Trans | | 3 | AE 11 397 | Oct61 | CCP | Degtyarev. |
| Al27 | Sigma | 8.0 | 5 | 8.0 | 5 | | | Total | | 1 | AE 16 260 | Mar64 | UKR | Korzh, I.A.+ |
| Al27 | Sigma | 8.1 | 6 | 8.1 | 6 | | | Shell Trans | | 1 | AE 19 456 | Nov65 | CCP | Degtyarev, Y.G. |
| Al27 | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Shell Trans | | 1 | PR 161 1181 | Sep67 | BOS | Chatterjee, A.+ |
| Al27 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeofFlight | * | 11 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier, J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| Al27 | Sigma | 2.5 | 6 | 2.9 | 6 | | Absolute | Ion Chamber | | 2 | PR 56 260 | Aug39 | COL | Zinn, W.H.+ |
| Al27 | Sigma | 2.5 | 7 | 2.5 | 7 | | Absolute | Threshold C | | 1 | PR 58 240 | Dec45 | HBV | Sherr. |
| Al27 | Sigma | 5.8 | 5 | 3.8 | 6 | | Absolute | Proportion C | | 73 | PR 72 439 | Sep47 | WIS | Seagondollar. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | |
| Al27 | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| Al27 | Sigma | 9.5 7 | 9.5 7 | | Absolute | Fission Det | 1 | PR 77 606 | Mar50 | BRK | Dejuren,J.+ |
| Al27 | Sigma | 4.5 5 | 9.0 5 | | Absolute | Accelerator | 58 | PR 80 145 | Oct50 | WIS | Henkel. |
| Al27 | Sigma | 5.7 5 | 6.0 5 | S | Absolute | Accelerator | 6 | PR 80 145 | Oct50 | WIS | Henkel. |
| Al27 | Sigma | 4.2 7 | 4.2 7 | | | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Al27 | Sigma | 2.0 6 | 5.9 6 | | Absolute | Accelerator | 28 | PPS 64 388 | 51 | CAV | Stafford. |
| Al27 | Sigma | 1.1 0 | 3.6 3 | | Absolute | TimeOfFlight | 89 | PRS 215 278 | 52 | HAR | Wiblin,E.R.+ |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Al27 | Sigma | 3.0 7 | 1.5 8 | | Absolute | Count Telesc | 9 | PM 44 95 | 53 | HAR | Taylor. |
| Al27 | Sigma | 8.0 5 | 7.8 6 | | Absolute | Accelerator | 198 | HENKEL 53A | Jan53 | LAS | Henkel. |
| Al27 | Sigma | 2.9 6 | 1.3 7 | | Absolute | Ion Chamber | 35 | PR 89 775 | Feb53 | LAS | Nereson. |
| Al27 | Sigma | 1.9 6 | 3.8 6 | | Absolute | Accelerator | 96 | HPA 26 451 | Sep53 | ETH | Meier. |
| Al27 | Sigma | 3.7 6 | 3.7 6 | | | Ring Geomtry | 1 | PR 92 114 | Oct53 | BAR | Whitehead. |
| Al27 | Sigma | 1.9 7 | 1.9 7 | | Absolute | Accelerator | 1 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| Al27 | Sigma | 5.5 -4 | 5.7 -3 | | Absolute | TimeOfFlight | 79 | PALEVSKY 54C | Mar54 | BNL | Palevsky. |
| Al27 | Sigma | 1.4 7 | 1.8 7 | | Absolute | Accelerator | 3 | PR 94 651 | May54 | RIC | Cook. |
| Al27 | Sigma | 2.4 6 | 2.6 6 | | Absolute | Accelerator | 9 | PR 95 989 | Aug54 | MIT | Kiehn,R.M.+ |
| Al27 | Sigma | 4.8 7 | 8.8 7 | | Absolute | Liquid Scint | 2 | PR 96 115 | Oct54 | HRV | Hillman. |
| Al27 | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Al27 | Sigma | 9.3 7 | 1.1 8 | | | Count Telesc | 4 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| Al27 | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Al27 | Sigma | 1.3 7 | 1.6 7 | | Absolute | Accelerator | 7 | PR 100 972 | Nov55 | MEX | Mazari. |
| Al27 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| Al27 | Sigma | 1.5 7 | 1.5 7 | | | | 1 | DOK 113 535 | 57 | CCP | Khaletskii. |
| Al27 | Sigma | 5.6 5 | 6.0 5 | | Absolute | Accelerator | 87 | RSI 28 89 | Feb57 | LAS | Beauchamp,R.K.+ |
| Al27 | Sigma | 7.2 6 | 1.5 7 | S | Absolute | Biased Scint | 4 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Al27 | Sigma | 1.4 7 | 1.5 7 | | | Biased Scint | 19 | NP 6 260 | 58 | LVN | Vervier,J.F.+ |
| Al27 | Sigma | 2.8 -3 | 4.7 -2 | | Absolute | TimeOfFlight | 119 | NSE 4 576 | 58 | ANL | Brown. |
| Al27 | Sigma | 4.9 3 | 6.3 3 | | Absolute | Accelerator | 18 | PR 109 926 | Feb58 | ORL | Good. |
| Al27 | Sigma | 4.0 6 | 8.1 6 | | | CrystalScint | 37 | PR 110 466 | Apr58 | COL | Weil. |
| Al27 | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 6 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Al27 | Sigma | 1.5 3 | 4.5 5 | | Absolute | Accelerator | 558 | PR 114 179 | Apr59 | ANL | Hibdon,C.T. |
| Al27 | Sigma | 3.5 4 | 2.2 5 | | Absolute | Selfindicatn | 4 | PR 114 179 | Apr59 | ANL | Hibdon,C.T. |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | | | 1 | PR 115 999 | Aug59 | MON | Pierre,St. |
| Al27 | Sigma | 1.3 7 | 2.1 7 | | Absolute | TimeOfFlight | 11 | NP 16 313 | May60 | HAR | Mccallum,G.J.+ |
| Al27 | Sigma | 1.8 7 | 2.8 7 | | Absolute | Biased Scint | 5 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Al27 | Sigma | 1.6 7 | 1.2 8 | | Carbon | TimeOfFlight | 64 | NP 22 640 | Feb61 | HAR | Bowen,P.H.+ |
| Al27 | Sigma | 5.0 9 | 5.0 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| Al27 | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Al27 | Sigma | 8.3 9 | 8.3 9 | | | Count Telesc | 1 | ZET 42 909 | Mar62 | DUB | Pantuev. |
| Al27 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | 62MADRAS- 61 | Mar62 | BOS | Mitra. |
| Al27 | Sigma | 9.8 5 | 4.0 6 | | Absolute | TimeOfFlight | 4 | NP 39 300 | Dec62 | ALD | Towle,J.H.+ |
| Al27 | Sigma | 2.8 6 | 2.8 6 | | Absolute | Transmission* | 1 | NP 39 535 | Dec62 | RBZ | Winterhalter,D. |
| Al27 | Sigma | 2.5 6 | 5.2 6 | | Absolute | PlasticScint | 100 | NP 39 621 | Dec62 | CAT | Calvi,G.+ |
| Al27 | Sigma | 1.3 7 | 1.7 7 | | Absolute | Transmission | 27 | TSUKADA 63K | Nov63 | JAE | Tsukada,K.+ |
| Al27 | Sigma | 2.8 6 | 2.8 6 | | | Coincidences | 1 | CEA/R-2399 | 64 | SAC | Ambrosino,G.+ |
| Al27 | Sigma | 4.0 3 | 2.2 5 | | Absolute | TimeOfFlight | 1936 | GAEG 64B | Feb64 | COL | Garg,J.B. |
| Al27 | Sigma | 3.1 3 | 2.2 5 | P | Absolute | TimeOfFlight | 5996 | GARG 64B | Feb64 | COL | Garg,J.B. |
| Al27 | Sigma | 2.7 4 | 1.7 5 | | Absolute | Accelerator | 221 | HIBDON 64F | Jun64 | ANL | Hibdon. |
| Al27 | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Al27 | Sigma | 6.0 5 | 1.2 6 | | Absolute | CrystalScint | 173 | EANDC/E- 57 150 | Feb65 | PR | Cabe. |
| Al27 | Sigma | 3.7 6 | 5.2 6 | | Absolute | CrystalScint | 28 | EANDC/E- 57 151 | Feb65 | PR | Cabe. |
| Al27 | Sigma | 2.8 6 | 2.8 6 | | | PlasticScint | 1 | EANDC/E- 57 163 | Feb65 | SAC | Ambrosino,G.+ |
| Al27 | Sigma | 7.6 5 | 7.6 5 | | Absolute | Transmission* | 1 | AECD/EP- 15 | Jul66 | DAC | Motaheruddin,A.+ |
| Al27 | Sigma | 1.2 7 | 1.6 7 | | Absolute | PlasticScint | 38 | NP 82 652 | Jul66 | NRD | Albergotti,J.C.+ |
| Al27 | Sigma | 5.5 6 | 7.4 6 | | Absolute | TimeOfFlight | 145 | NC B 44 455 | Aug66 | PAD | Pasoli,U.+ |
| Al27 | Sigma | 2.0 6 | 1.0 7 | | Absolute | TimeOfFlight | 347 | COO/1573- 6 | Sep66 | CSE | Shrader,E.F.+ |
| Al27 | Sigma | 8.8 7 | 1.5 8 | | | PlasticScint | 7 | NP 85 129 | Sep66 | HRV | Measday,D.F.+ |
| Al27 | Sigma | 3.2 5 | 1.5 6 | | Absolute | TimeOfFlight | 873 | NSE 26 500 | Dec66 | ANL | Smith. |
| Al27 | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 245 | FOSTER 67E | May67 | BNW | Foster. |
| Al27 | Sigma | 1.8 6 | 1.3 7 | | Absolute | Accelerator | 442 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Al27 | Sigma | 5.0 5 | 3.2 7 | | Absolute | TimeOfFlight* | 5101 | KFK-1000 | Jun68 | KFK | Cierjacks,S.+ |
| Al27 | Sigma | 2.7 10 | 2.7 10 | | | | 1 | PL B 27 328 | Aug68 | MHG | Jones. |
| Al27 | Sigma | 9.9 7 | 1.5 8 | | Absolute | Accelerator | 6 | NP A119 197 | Oct68 | USA | Schneider. |
| Al27 | Sigma | 2.7 4 | 6.3 5 | | | | 922 | HIBDON 69 | 69 | ANL | Hibdon. |
| Al27 | Sigma | 5.3 -7 | 5.3 -7 | | Absolute | TimeOfFlight* | 1 | PL B 29 33 | Mar69 | MON | Steyerl,A. |
| Al27 | Sigma | 4.9 5 | 1.6 7 | | Absolute | TimeOfFlight | 3381 | SCHWARTZ 69D | Apr69 | NBS | Schwartz. |
| Al27 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Assoc Part * | 1 | AJP 37 482 | May69 | OAU | |
| Al27 | Sigma | 8.9 6 | 8.9 6 | | Absolute | CrystalScint | 1 | AJP 37 649 | Jun69 | ORL | |
| Al27 | Sigma | 5.7 9 | 5.7 9 | | Absolute | Transmission* | 1 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.F.+ |
| Al27 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEE | Angeli,I.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| Al27 | Γ | 1.5 5 | 1.5 5 | | | | 1 | PR 72 439 | Sep47 | WIS | Seagondollar. |
| Al27 | Γ | 6.4 3 | 6.4 3 | | | | 1 | PR 95 302 | Jul54 | DKE | Rohrer. |
| Al27 | Γ | 3.5 4 | 9.0 4 | | | | 2 | PR 99 1625 | Sep55 | DKE | Toller. |
| Al27 | Γ | 5.6 3 | 5.6 3 | | | | 1 | PR 109 926 | Feb58 | ORL | Good. |
| Al27 | Γ | 8.8 4 | 8.8 4 | | | | 1 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Al27 | Γ | 3.5 4 | 4.4 5 | | | | 65 | PR 114 179 | Apr59 | ANL | Hibdon,C.T. |
| Al27 | Γ | 6.6 5 | 1.2 6 | | | Breit-Wigner | 9 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Al27 | Resonance Energy | 4.5 4 | 7.9 5 | | | | 9 | PR 72 439 | Sep47 | WIS | Seagondollar. |
| Al27 | Resonance Energy | 6.0 3 | 6.0 3 | | | | 1 | PR 114 179 | Apr59 | ANL | Hibdon,C.T. |
| Al27 | Resonance Energy | 1.5 5 | 3.9 5 | | | | 11 | CR-1860 | 64 | COL | Garg. |
| Al27 | Resonance Energy | 6.3 5 | 1.2 6 | | | Breit-Wigner* | 10 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| Al27 | σ(0) | 6.4 3 | 6.4 3 | | | | 1 | PR 95 302 | Jul54 | DKE | Rohrer. |
| Al27 | σ(0) | 5.9 3 | 1.5 5 | | | | 5 | CR-1860 | 64 | COL | Garg. |
| Al27 | Spin of Reson | 3.5 4 | 9.0 4 | | | | 2 | PR 99 1625 | Sep55 | DKE | Toller. |
| Al27 | Spin of Reson | 8.8 4 | 8.8 4 | | | | 1 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Al27 | Spin of Reson | 3.5 4 | 4.4 5 | | | | 65 | PR 114 179 | Apr59 | ANL | Hibdon,C.T. |
| Al27 | Spin of Reson | 6.6 5 | 1.2 6 | | | Breit-Wigner | 9 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| Al27 | Parity | 1.0 6 | 1.1 6 | | | Breit-Wigner | 2 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LEVEL DENS PARAM | | | | | | | | | | | | | | |
| $Al^{27}$ | Nucl Temperature | 1.5 | 7 | 1.5 | 7 | | | | 2 | PPS | 81 | 800 | May63 | GLS | Irfan,M.+ |
| $Al^{27}$ | Nucl Temperature | 1.5 | 7 | 1.5 | 7 | | | | 4 | NP | 44 | 597 | Jul63 | MUA | Mohindra,R.K.+ |
| $Al^{27}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 1 | YF | 2 | 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | | | |
| $Al^{28}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NP | 24 | 274 | Apr61 | HAR | Allan,D.L. |
| $Al^{28}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 2 | NP | 26 | 193 | Aug61 | TAT | Nair,K.G.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Si | Sigma | 2.4 | 4 | 8.3 | 5 | | Absolute | Shell Trans | 3 | AE 8 549 | 60 | CCP | Belanova. |
| Si | Sigma | 3.0 | 4 | 3.0 | 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Si | Sigma | 6.5 | 4 | 6.5 | 4 | | Indium | Scint Tank | 1 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Si | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint* | 1 | NP A154 243 | Oct70 | FR | Rigaud,F.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| Si | Sigma | 2.3 | 6 | 2.9 | 6 | | Copper | Ion Chamber | 7 | JMJ 23 925 | 41 | JAP | Nonaka,I. |
| Si | Sigma | 4.0 | 3 | 7.7 | 6 | | | γ-Spectromet | 23 | NSE 40 294 | May70 | LAS | Drake. |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | 9 | NSE 8 173 | Sep60 | SOC | Caldwell. |
| Si | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | γ-Spectromet | 17 | USNRDL- 791 | Oct64 | NRD | Ferguson,J.M.+ |
| Si | Ang Distrib | 5.5 | 6 | 8.5 | 6 | | Carbon | CrystalScint | 31 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Si | Ang Distrib | 3.5 | 6 | 4.5 | 6 | | Lead | CrystalScint | 6 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Si | Sigma | 3.1 | 6 | 3.1 | 6 | | | Diff Sig Int | 1 | SPN- 224 | 61 | CCP | Popov,V.I. |
| Si | Sigma | 9.0 | 5 | 9.0 | 5 | | | Ring Geomtry | 1 | AE 13 60 | Jul62 | CCP | Lovchikova. |
| Si | Sigma | 3.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 3 | UPZ 9 577 | 64 | UKR | Korzh. |
| Si | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Diff Sig Int | 1 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Si | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Si | Sigma | 2.4 | 6 | 5.8 | 6 | | | TimeOfFlight | 5 | NP 79 231 | Apr66 | DKE | Pettit,G.A.+ |
| Si | Sigma | 4.0 | 6 | 5.8 | 6 | | H(n,n) | Diff Sig Int* | 8 | ZP 207 56 | Oct67 | GEL | Knitter,H.H.+ |
| Si | Sigma | 1.5 | 6 | 1.5 | 6 | | | Diff Sig Int | 1 | UPZ 13 1781 | Nov68 | UKR | Korzh. |
| Si | Sigma | 4.0 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 4 | NP A128 209 | Apr69 | LAS | Drake. |
| Si | Ang Distrib | 3.1 | 6 | 3.1 | 6 | | | Ion Chamber | 10 | SPN- 224 | 61 | CCP | Popov,V.I. |
| Si | Ang Distrib | 3.5 | 6 | 4.8 | 6 | | | TimeOfFlight | 41 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| Si | Ang Distrib | 9.0 | 5 | 9.0 | 5 | | | Ring Geomtry | 5 | AE 13 60 | Jul62 | CCP | Lovchikova. |
| Si | Ang Distrib | 3.0 | 5 | 8.0 | 5 | | | Threshold C | 24 | UPZ 9 577 | 64 | UKR | Korzh. |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 18 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | Absolute | TimeOfFlight | 18 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Si | Ang Distrib | 1.9 | 6 | 1.9 | 6 | | Carbon | Liquid Scint | 10 | PR 135B 412 | Jul64 | BNL | Bredin,D.J.+ |
| Si | Ang Distrib | 6.3 | 5 | 1.2 | 6 | | Carbon | Biased Scint | 428 | BAP 10 576 A | Jun65 | ANL | Cox,S.A. |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 9 | NP 68 97 | Jun65 | ORL | Stelson. |
| Si | Ang Distrib | 6.0 | 6 | 6.0 | 6 | | Absolute | TimeOfFlight | 16 | CURRIE 65L | Dec65 | HAR | Currie. |
| Si | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| Si | Ang Distrib | 2.3 | 6 | 3.8 | 6 | | H(n,n) | TimeOfFlight | 11 | EANDC/E- 66 114 | Feb66 | PAD | Pasoli,U.+ |
| Si | Ang Distrib | 7.2 | 5 | 7.2 | 5 | | Carbon | Biased Scint | 1 | COX 66D | Apr66 | ANL | Cox. |
| Si | Ang Distrib | 4.0 | 6 | 5.8 | 6 | C | H(n,n) | TimeOfFlight* | 152 | ZP 207 56 | Oct67 | GEL | Knitter,H.H.+ |
| Si | Ang Distrib | 7.6 | 6 | 7.6 | 6 | | | TimeOfFlight | 16 | PEREY 68C | Mar68 | ORL | Perey. |
| Si | Ang Distrib | 6.6 | 6 | 1.4 | 7 | | | | 508 | BARSCHALL 68F | Jun68 | WIS | Barschall. |
| Si | Ang Distrib | 6.6 | 6 | 1.4 | 7 | | | Accelerator | 508 | NP A128 369 | Feb69 | WIS | Barschall. |
| Si | Ang Distrib | 4.0 | 6 | 7.5 | 6 | | H(n,n) | TimeOfFlight | 24 | NP A128 209 | Apr69 | LAS | Drake. |
| Si | Ang Distrib | 4.8 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight | 52 | 70HELSNK/II-317 | Jun70 | JAE | Tanaka,S.+ |
| Si | Legendre Fit | 5.7 | 5 | 2.3 | 6 | | H(n,n) | TimeOfFlight* | 42 | EUR-2798 | Apr66 | GEL | Coppola,M.+ |
| Si | Legendre Fit | 4.0 | 6 | 5.8 | 6 | | H(n,n) | TimeOfFlight* | 64 | ZP 207 56 | Oct67 | GEL | Knitter,H.H.+ |
| Si | Legendre Fit | 1.5 | 6 | 1.5 | 6 | | | | 6 | UPZ 13 1781 | Nov68 | UKR | Korzh. |
| Si | Polarizat n-out | 3.3 | 6 | 3.3 | 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| Si | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Diff Sig Int | 1 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Si | Sigma | 2.8 | 6 | 3.8 | 6 | | H(n,n) | TimeOfFlight | 9 | EANDC/E- 66 114 | Feb66 | PAD | Pasoli,U.+ |
| Si | Sigma | 4.0 | 6 | 5.8 | 6 | | | Diff Sig Int | 3 | NP 79 231 | Apr66 | DKE | Pettit,G.A.+ |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 13 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | Absolute | TimeOfFlight | 13 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 18 | NP 68 97 | Jun65 | ORL | Stelson. |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 41 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Si | Ang Distrib | 6.0 | 6 | 6.0 | 6 | | Absolute | TimeOfFlight | 16 | CURRIE 65L | Dec65 | HAR | Currie. |
| Si | Ang Distrib | 7.6 | 6 | 7.6 | 6 | | | TimeOfFlight | 32 | PEREY 68C | Mar68 | ORL | Perey. |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| Si | Sigma | 4.0 | 6 | 7.5 | 6 | | H(n,n) | TimeOfFlight | 18 | NP A128 209 | Apr69 | LAS | Drake. |
| Si | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 1 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| Si | Sigma | 3.0 | 4 | 1.3 | 6 | | Carbon | Diff Sig Int | 71 | AP 12 135 | Feb61 | ANL | Lane. |
| Si | Sigma | 3.9 | 4 | 7.0 | 5 | | | Diff Sig Int | 31 | PR 126 1105 | May62 | ANL | Lane,R.O.+ |
| Si | Ang Distrib | 3.9 | 4 | 7.0 | 5 | | | Long Counter | 155 | PR 126 1105 | May62 | ANL | Lane,R.O.+ |
| Si | Legendre Fit | 3.0 | 4 | 1.3 | 6 | | Carbon | ModeratrTank | 453 | AP 12 135 | Feb61 | ANL | Lane. |
| Si | Legendre Fit | 3.9 | 4 | 7.0 | 5 | | | ModeratrTank | 89 | PR 126 1105 | May62 | ANL | Lane,R.O.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Si | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Scattering | 1 | PR 83 379 | Jul51 | BNL | Weiss. |
| Si | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | BACON 62 | 62 | HAR | Bacon. |
| Si | σ(Incoherent) | 9.4 | 0 | 9.4 | 0 | | | Mirror Refl | 1 | ZP 190 295 | 66 | MUN | Niklaus. |
| Si | σ(Free Atom) | 9.4 | 0 | 9.4 | 0 | | Absolute | AverageTrans | 1 | ZP 190 295 | 66 | MUN | Niklaus. |
| Si | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | | 1 | BACON 62 | 62 | HAR | Bacon. |
| Si | Scatt Amplitude | 4.5 | -4 | 4.5 | -4 | | | Mirror Refl * | 1 | ZN A 26 391 | Mar71 | MUN | Koester,L.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| Si | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| Si | Sigma | 7.7 | 6 | 9.1 | 6 | | H(n,n) | Diff Sig Int | 3 | NP A101 473 | Sep67 | PRK | Debertin,K.+ |
| Si | Ang Distrib | 7.7 | 6 | 9.1 | 6 | | H(n,n) | Count Telesc | 22 | NP A101 473 | Sep67 | PRK | Debertin,K.+ |
| | p-EMISSION | | | | | | | | | | | | |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 6 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | CHARGED PART EMISS | | | | | | | | | | | | |
| Si | Legendre Fit | 7.7 | 6 | 9.1 | 6 | | Ratio | | 6 | NP A101 473 | Sep67 | PRK | Debertin,K.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| Si | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| Si | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | AE 1 135 | 56 | CCP | Plerov. |
| Si | Sigma | 3.1 | 6 | 3.1 | 6 | | | Total | 1 | SPN- 224 | 61 | CCP | Popov,V.I. |
| Si | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 16 | NDL/TR- 86 | Jan67 | THC | Mathur. |
| Si | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight* | 8 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| Si | Sigma | 2.9 | 6 | 2.9 | 6 | | Absolute | Ion Chamber | 1 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| Si | Sigma | 5.3 | 5 | 4.8 | 6 | | Absolute | Accelerator | 108 | PR 78 508 | Jun50 | MIN | Preier. |
| Si | Sigma | 1.2 | 4 | 8.0 | 5 | | Absolute | Accelerator | 81 | PR 83 479 | Jul51 | WIS | Fields,R.E.+ |
| Si | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 2 | PR 88 562 | Nov52 | LAS | Coon. |
| Si | Sigma | 2.9 | 6 | 1.3 | 7 | | Absolute | Ion Chamber | 41 | PR 89 775 | Feb53 | LAS | Nereson. |
| Si | Sigma | 1.8 | 6 | 3.8 | 6 | | Absolute | Accelerator | 98 | HPA 26 451 | Sep53 | ETH | Meier. |
| Si | Sigma | 1.9 | 7 | 1.9 | 7 | | Absolute | Biased Scint | 1 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| Si | Sigma | 9.3 | 7 | 1.1 | 8 | | | Count Telesc | 4 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| Si | Sigma | 1.8 | 7 | 2.8 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Si | Sigma | 3.1 | 6 | 5.0 | 6 | | Absolute | Transmission | 59 | JPJ 18 610 | May63 | JAE | Tsukada. |
| Si | Sigma | 2.8 | 6 | 5.2 | 6 | | Absolute | Accelerator | 84 | NP 48 408 | Oct63 | CAT | Calvi,G.+ |
| Si | Sigma | 1.3 | 7 | 1.7 | 7 | | Absolute | Transmission | 27 | TSUKADA 63K | Nov63 | JAE | Tsukada,K.+ |
| Si | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Si | Sigma | 5.1 | 5 | 1.3 | 6 | | | TimeOfFlight | 438 | COX 66D | Apr66 | ANL | Cox. |
| Si | Sigma | 1.3 | 6 | 1.3 | 6 | | Absolute | TimeOfFlight | 1 | COX 66D | Apr66 | ANL | Cox. |
| Si | Sigma | 5.4 | 6 | 8.5 | 6 | | Absolute | TimeOfFlight | 122 | NC B 44 455 | Aug66 | PAD | Pasoli,U.+ |
| Si | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| Si | Sigma | 4.5 | 6 | 1.4 | 7 | | Absolute | Accelerator | 506 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Si | Sigma | 4.8 | 6 | 1.4 | 7 | | Absolute | Accelerator | 311 | BARSCHALL 68P | Jun68 | WIS | Barschall. |
| Si | Sigma | 5.0 | 5 | 3.2 | 7 | | Absolute | TimeOfFlight* | 5115 | KFK-1000 S1 | Oct68 | KFK | Cierjacks,S.+ |
| Si | Sigma | 4.8 | 6 | 1.4 | 7 | | Absolute | Accelerator | 311 | NP A124 369 | Feb69 | WIS | Barschall. |
| Si | Sigma | 4.5 | 5 | 5.0 | 6 | | Absolute | * | 988 | CABE 69C | Mar69 | BRC | Adam,A.+ |
| Si | Sigma | 3.3 | 6 | 5.1 | 6 | | Absolute | Transmission | 63 | ARS 66 27 | Feb70 | JNE | |
| Si | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| Si | Sigma | 1.3 | 2 | 1.3 | 2 | | Absolute | Transmission* | 1 | ZN A 26 442 | Mar71 | MUN | Dilg,W.+ |
| Si | Sigma | 5.0 | 5 | 2.0 | 7 | | Absolute | TimeOfFlight* | 3454 | BAP 16 495 A | Apr71 | NBS | Schwartz,R.B.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| Si | Strength Funct | 4.0 | 6 | 5.0 | 6 | | | Transmission | 2 | JPJ 18 610 | May63 | JAE | Tsukada. |
| Si | Level Spacing | 4.0 | 6 | 5.0 | 6 | | | Transmission | 2 | JPJ 18 610 | May63 | JAE | Tsukada. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| Si | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 1 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | NIJS/P- 213 | Jan68 | POL | |
| $Si^{28}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | γ's /100neut | γ-Spectromet* | 26 | NP A145 449 | Apr70 | UTR | Spits,A.M.J.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | σ(Total) | Crystal Spec | 1 | VINCI 66B | Feb66 | CAS | Vinci. |
| $Si^{28}$ | Ang Distrib | 5.9 | 6 | 5.9 | 6 | | At one Angle | TimeOfFlight* | 16 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| $Si^{28}$ | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | | TimeOfFlight | 13 | BAP 13 1420 | Nov68 | KTY | Mittler. |
| | INEL SCATTERING | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 4.0 | 6 | 5.8 | 6 | | H(n,n) | Diff Sig Int* | 8 | ZP 207 56 | Oct67 | GEL | Knitter,H.H.+ |
| $Si^{28}$ | Sigma | 5.9 | 6 | 5.9 | 6 | | At one Angle | TimeOfFlight | 1 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| $Si^{28}$ | Sigma | 4.0 | 6 | 7.5 | 6 | | H(n,n) | Diff Sig Int | 12 | NP A128 209 | Apr69 | LAS | Drake. |
| $Si^{28}$ | Ang Distrib | 3.5 | 6 | 4.8 | 6 | | | TimeOfFlight | 41 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| $Si^{28}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 2 | NP 53 177 | Apr64 | CRC | Clarke,R.L.+ |
| $Si^{28}$ | Ang Distrib | 4.0 | 6 | 5.8 | 6 | C | H(n,n) | TimeOfFlight* | 151 | ZP 207 56 | Oct67 | GEL | Knitter,H.H.+ |
| $Si^{28}$ | Ang Distrib | 5.9 | 6 | 5.9 | 6 | | At one Angle | TimeOfFlight | 16 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| $Si^{28}$ | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | | TimeOfFlight | 13 | BAP 13 1420 | Nov68 | KTY | Mittler. |
| $Si^{28}$ | Ang Distrib | 4.0 | 6 | 7.5 | 6 | | H(n,n) | TimeOfFlight | 66 | NP A128 209 | Apr69 | LAS | Drake. |
| $Si^{28}$ | Ang Distrib | 4.8 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight | 143 | 70HELSNK/II-317 | Jun70 | JAE | Tanaka,S.+ |
| $Si^{28}$ | Legendre Fit | 4.0 | 6 | 5.8 | 6 | | H(n,n) | TimeOfFlight* | 48 | ZP 207 56 | Oct67 | GEL | Knitter,H.H.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 1.8 | 6 | 3.0 | 6 | | | CrystalScint | 24 | AP 12 485 | 61 | LAS | Lind. |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | JNE 19 447 | Jun65 | GLS | Martin,P.W.+ |
| $Si^{28}$ | Sigma | 3.0 | 6 | 4.0 | 6 | | | Diff Sig Int | 3 | NP 73 561 | Nov65 | TNC | Mather. |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Another Reac | γ-Spectromet | 1 | LEB 33 99 | 66 | LEB | Benetskii. |
| $Si^{28}$ | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 1 | PR 100 83 | Oct55 | BAR | Rothman,M.A.+ |
| $Si^{28}$ | Ang Distrib | 2.5 | 6 | 2.5 | 6 | | $Co^{59}$ | | 1 | SCHERRER 55J | Oct55 | NRL | Scherrer. |
| $Si^{28}$ | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | $S^{32}$(n,p) | γ-Spectromet | 1 | USNRDL- 916 | Oct65 | NRD | Engesser. |
| $Si^{28}$ | Ang Distrib | 3.0 | 6 | 4.0 | 6 | | | TimeOfFlight | 21 | NP 73 561 | Nov65 | TNC | Mather. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| $Si^{28}$ | Ang Distrib | 3.0 | 4 | 1.8 | 6 | | Carbon | ModeratrTank | 568 | AP 12 135 | Feb61 | ANL | Lane. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 1.8 | 7 | 1.8 | 7 | | Copper | Coincidences | 5 | ARNOLD 65 | Nov65 | GEO | Arnold. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Si^{28}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | | Activation * | 18 | NP 1 73 | 56 | UK | Cohen,A.V.+ |
| $Si^{28}$ | Sigma | 4.4 | 6 | 8.1 | 6 | | σ(E≠E(th)) | Activation | 39 | PR 101 247 | Jan56 | RIC | Marion. |
| $Si^{28}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | | Activation | 25 | NP 10 226 | Mar59 | NRD | Kern,B.D.+ |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 4 | NC 20 928 | Jun61 | CIS | Colli,L.+ |
| $Si^{28}$ | Sigma | 5.3 | 6 | 6.4 | 6 | | | Solidstate C | 8 | NIM 21 197 | 63 | ISL | Hillman,P.+ |
| $Si^{28}$ | Sigma | 4.8 | 6 | 5.4 | 6 | | σ(E≠E(th)) | Activation | 17 | NP 41 298 | Mar63 | CAT | Potenza,R.+ |
| $Si^{28}$ | Sigma | 1.3 | 7 | 2.1 | 7 | | Absolute | Activation | 8 | NP 47 157 | Aug63 | SAC | Jeronymo,J.M.F.+ |
| $Si^{28}$ | Sigma | 5.1 | 6 | 8.4 | 6 | | σ(E≠E(th)) | Solidstate C | 431 | NP 48 83 | Oct63 | RIC | Mainsbridge. |
| $Si^{28}$ | Sigma | 5.9 | 6 | 9.1 | 6 | | $Li^6$(n,a) | Solidstate C | 573 | MSL 10 265 | 64 | HAM | Andersson-Lindstrom. |
| $Si^{28}$ | Sigma | 1.3 | 7 | 1.4 | 7 | | $Li^6$(n,a) | Solidstate C | 84 | ADP 15 287 | Jun65 | HAM | Andersson-Lindstrom+ |
| $Si^{28}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $Si^{28}$ | Sigma | 9.5 | 6 | 1.0 | 7 | | Another Reac | Solidstate C | 16 | SHANNON 65I | Sep65 | GEF | Shannon. |
| $Si^{28}$ | Sigma | 6.0 | 6 | 9.0 | 6 | | H(n,n) | Activation | 121 | EANDC/E- 66 64 | Feb66 | PRK | Bass,R.+ |
| $Si^{28}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | NP 83 157 | Jul66 | BOS | Mitra,B.+ |
| $Si^{28}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 1 | FINK 68H | Aug68 | GIT | Fink. |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |
| $Si^{28}$ | Sigma | 6.6 | 6 | 1.3 | 7 | | | | 407 | NP A124 369 | Feb69 | WIS | Barschall. |
| $Si^{28}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |
| $Si^{28}$ | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION (CONTINUED) | | | | | | | | | | | | |
| $Si^{28}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 32 | NC 20 928 | Jun61 | CIS | Colli,L.+ |
| $Si^{28}$ | (θ,E)-Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 188 | NC 20 928 | Jun61 | CIS | Colli,L.+ |
| | (n,np) REACTION | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Solidstate C | 5 | NAT 191 995 | Sep61 | CBR | Deuchars. |
| $Si^{28}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Solidstate C | 1 | NC 23 1140 | Mar62 | PR | Blanc. |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | * | 1 | ZN A 17 238 | Mar62 | HAM | Andersson-Lindstrom. |
| $Si^{28}$ | Sigma | 5.3 | 6 | 6.4 | 6 | | | Solidstate C | 8 | NIM 21 197 | 63 | ISL | Hillman,P.+ |
| $Si^{28}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | | Solidstate C | 18 | NP-14111 | Feb63 | PR | Devillers,D. |
| $Si^{28}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | H(n,n) | Solidstate C | 420 | NP 43 529 | Jun63 | CIS | Colli. |
| $Si^{28}$ | Sigma | 5.4 | 6 | 8.4 | 6 | | σ(E≠E(th)) | Solidstate C | 427 | NP 48 83 | Oct63 | RIC | Mainsbridge. |
| $Si^{28}$ | Sigma | 5.9 | 6 | 9.1 | 6 | | $Li^6$(n,a) | Solidstate C | 671 | NSL 10 265 | 64 | HAM | Andersson-Lindstrom. |
| $Si^{28}$ | Sigma | 1.3 | 7 | 1.4 | 7 | | $Li^6$(n,a) | Solidstate C | 215 | ADP 15 287 | Jun65 | HAM | Andersson-Lindstrom+ |
| $Si^{28}$ | Sigma | 9.5 | 6 | 1.0 | 7 | | σ(E≠E(th)) | Solidstate C | 40 | SHANNON 65I | Sep65 | GEP | Shannon. |
| $Si^{28}$ | Sigma | 6.6 | 6 | 1.3 | 7 | | | | 912 | NP A124 369 | Feb69 | WIS | Barschall. |
| $Si^{28}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Arb Units | Nuc Emulsion | 27 | NP 67 333 | May65 | BOR | Leroux,B.+ |
| $Si^{28}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Arb Units | Count Telesc | 16 | NC B 41 52 | Jan66 | MIL | Forti,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Si^{28}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| $Si^{28}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | σ(Total) | Crystal Spec | 1 | VINCI 66B | Feb66 | CAS | Vinci. |
| | n-WIDTH | | | | | | | | | | | | |
| $Si^{28}$ | Γ(n) | 5.5 | 4 | 1.9 | 5 | | | | 2 | AP 8 211 | 59 | DKE | Newson. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Si^{28}$ | Γ | 5.4 | 5 | 8.0 | 5 | C | | Breit-Wigner | 3 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Si^{28}$ | Resonance Energy | 5.4 | 5 | 8.0 | 5 | | | Breit-Wigner* | 3 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| $Si^{28}$ | Spin of Reson | 1.9 | 5 | 5.7 | 5 | | | | 2 | PR 83 479 | Jul51 | WIS | Fields,R.E.+ |
| $Si^{28}$ | Spin of Reson | 5.5 | 4 | 1.9 | 5 | | | | 2 | AP 8 211 | 59 | DKE | Newson. |
| $Si^{28}$ | Spin of Reson | 5.4 | 5 | 8.0 | 5 | C | | Breit-Wigner | 3 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| $Si^{28}$ | Parity | 5.7 | 5 | 8.0 | 5 | C | | Breit-Wigner | 2 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Si^{29}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | | γ-Spectromet* | 13 | NP A145 449 | Apr70 | UTR | Spits,A.M.J.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Si^{29}$ | Sigma | 1.5 | 6 | 3.0 | 6 | | | CrystalScint | 30 | AP 12 485 | 61 | LAS | Lind. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Si^{29}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Si^{29}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| $Si^{29}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Si^{29}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | PINK 68H | Aug68 | GIT | Pink. |
| $Si^{29}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Si^{29}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |
| $Si^{29}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |
| | (n,2p) REACTION | | | | | | | | | | | | |
| $Si^{29}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Si^{29}$ | Sigma | 4.0 | 6 | 6.4 | 6 | | | Solidstate C | 16 | NIM 21 197 | 63 | ISL | Hillman,P.+ |
| $Si^{29}$ | Sigma | 3.7 | 6 | 5.4 | 6 | | σ(E≠E(th)) | Activation | 36 | NP 41 298 | Mar63 | CAT | Potenza,R.+ |
| $Si^{29}$ | Sigma | 4.8 | 6 | 8.5 | 6 | | σ(E≠E(th)) | Solidstate C | 123 | NP 48 83 | Oct63 | RIC | Mainsbridge. |
| $Si^{29}$ | Sigma | 2.4 | 6 | 3.8 | 6 | | H(n,n) | Solidstate C* | 46 | NP 48 191 | Oct63 | AE | Konijn. |
| $Si^{29}$ | Sigma | 6.0 | 6 | 6.0 | 6 | | Absolute | | 1 | NIM 52 222 | Jun67 | ETH | Durisch,J.E.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Si^{29}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Si^{29}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Si^{29}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | | 3 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Si^{29}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Si^{30}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Si^{30}$ | Sigma | 2.0 | 5 | 4.0 | 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Si^{30}$ | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Si^{30}$ | Sigma | 2.1 | 4 | 2.1 | 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Si^{30}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | JES 108 171 | 61 | BEL | Tanenbaum. |
| $Si^{30}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | ZN A 21 829 | Jun66 | MUN | Koehler,W.+ |
| $Si^{30}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| $Si^{30}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Si^{30}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | | γ-Spectromet* | 5 | NP A145 449 | Apr70 | UTR | Spits,A.M.J.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Si^{30}$ | Sigma | 2.3 | 6 | 3.0 | 6 | | | CrystalScint | 11 | AP 12 485 | 61 | LAS | Lind. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Si^{30}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | AnothA SameZ | Activation | 1 | PL 7 142 | Nov63 | BLG | Peeters. |
| $Si^{30}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Si^{30}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | AnothA SameZ | Activation | 1 | PINK 68H | Aug68 | GIT | Pink. |
| $Si^{30}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | AnothA SameZ | Activation | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,alpha) REACTION | | | | | | | | | | |
| $Si^{30}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Si^{30}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $Si^{30}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| $Si^{30}$ | Sigma | 1.4 7 | 1.4 7 | | | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Si^{30}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | Activation | 1 | PINK 68H | Aug68 | GIT | Pink. |
| $Si^{30}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | Activation | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |
| $Si^{30}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Si^{30}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Si^{30}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| SiO2 | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| SiO2 | Sigma | 8.0 -4 | 3.0 0 | | Absolute | Crystal Spec | 13 | RSI 36 887 | Jul65 | COL | |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| P31 | Sigma | 2.5 -2 | 2.5 -2 | | $Na^{23}$ | Activation * | 1 | JNE 1 231 | 54 | KJL | Grimeland. |
| P31 | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| P31 | Spectrum | 2.5 -2 | 2.5 -2 | | | Ge(Li)Detect | 49 | NP A 97 209 | Apr67 | NED | Van Middelkoop,G. |
| | γ,EMISSION | | | | | | | | | | |
| P31 | Ang Distrib | 1.4 7 | 1.4 7 | | Carbon | γ-Spectromet | 4 | NSE 8 173 | Sep60 | SOC | Caldwell. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| P31 | Sigma | 1.4 7 | 1.4 7 | | Carbon | TimeOfFlight | 2 | NP 68 369 | Jun65 | TUR | Bonazzola,G.C.+ |
| P31 | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| P31 | Ang Distrib | 3.5 6 | 4.8 6 | | | TimeOfFlight | 35 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| P31 | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 9 | NP 68 97 | Jun65 | ORL | Stelson. |
| P31 | Ang Distrib | 1.4 7 | 1.4 7 | | Carbon | TimeOfFlight | 11 | NP 68 369 | Jun65 | ITY | Bonazzola,G.C.+ |
| P31 | Ang Distrib | 5.9 6 | 5.9 6 | | At one Angle | TimeOfFlight* | 12 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| P31 | Ang Distrib | 8.0 6 | 8.0 6 | | | TimeOfFlight | 12 | BAP 13 1420 | Nov68 | KTY | Mittler. |
| P31 | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| P31 | Sigma | 5.9 6 | 5.9 6 | | At one Angle | TimeOfFlight | 2 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| P31 | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| P31 | Ang Distrib | 3.5 6 | 4.8 6 | | | TimeOfFlight | 33 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| P31 | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 8 | NP 68 97 | Jun65 | ORL | Stelson. |
| P31 | Ang Distrib | 1.4 7 | 1.4 7 | | Carbon | TimeOfFlight | 22 | NP 68 369 | Jun65 | ITY | Bonazzola,G.C.+ |
| P31 | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 40 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| P31 | Ang Distrib | 5.9 6 | 5.9 6 | | At one Angle | TimeOfFlight | 24 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| P31 | Ang Distrib | 8.0 6 | 8.0 6 | | | TimeOfFlight | 24 | BAP 13 1420 | Nov68 | KTY | Mittler. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| P31 | Sigma | 1.3 6 | 4.2 6 | | | * | 265 | EASS 69F | Jun69 | FRK | Bass,R.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| P31 | Sigma | 1.7 3 | 1.8 6 | | Carbon | Diff Sig Int | 22 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| P31 | Sigma | 2.0 5 | 2.0 6 | | Carbon | Accelerator | 23 | NP 59 113 | 64 | ANL | Elwyn. |
| P31 | Ang Distrib | 6.0 4 | 1.8 6 | | Carbon | ModeratrTank | 110 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| P31 | Ang Distrib | 2.0 5 | 8.1 9 | | Carbon | Accelerator | 125 | NP 59 113 | 64 | ANL | Elwyn. |
| | MISC SCATT QUANT | | | | | | | | | | |
| P31 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | AEC/U-2277 | Oct52 | ORL | Peterson. |
| P31 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | ARN 11 303 | 61 | ORL | Wilkinson. |
| P31 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | AEC/U-2277 | Oct52 | ORL | Peterson. |
| P31 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | ARN 11 303 | 61 | ORL | Wilkinson. |
| | (n,2n) REACTION | | | | | | | | | | |
| P31 | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}$(n,2n) | Activation | 1 | BAP 3 365 | Nov58 | ANL | Rayburn. |
| P31 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| P31 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| P31 | Sigma | 1.3 7 | 2.0 7 | | $Cu^{63}$(n,2n) | Activation * | 7 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| P31 | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CR 257 659 | Jul63 | BOR | Carles,C. |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation * | 1 | NP 51 302 | Feb64 | OSL | Grimeland,B.+ |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 2 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 88 349 | Nov66 | MUA | Rama Prasad,P.+ |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| P31 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | IJP 41 752 | Oct67 | BOS | Mitra. |
| | (n,p) REACTION | | | | | | | | | | |
| P31 | Sigma | 3.0 6 | 3.0 6 | | Absolute | Activation | 1 | HPA 21 278 | Aug48 | BAS | Metzger,P.+ |
| P31 | Sigma | 1.9 6 | 3.7 6 | | σ(E≠E(th)) | Activation | 38 | HPA 23 561 | 50 | ETH | Luscher,E.+ |
| P31 | Sigma | 1.9 6 | 3.6 6 | | σ(E≠E(th)) | Activation | 88 | NC 8 383 | Jun51 | ETH | Ricamo. |
| P31 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | PR 88 1309 | Dec52 | LAS | Forbes. |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| P31 | Sigma | 1.6 6 | 1.8 7 | | $U^{238}$(n,f) | Activation | 21 | PR 109 425 | Jan58 | LAS | Grundl. |
| P31 | Sigma | 3.2 6 | 5.2 6 | | $P^{31}$(n,p) | Activation | 10 | JPJ 13 431 | May58 | KYU | Morita. |
| P31 | Sigma | 2.7 6 | 5.0 6 | | σ(E≠E(th)) | Activation | 53 | NC 16 450 | May60 | CAT | Cuzzocrea. |
| P31 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| P31 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| P31 | Sigma | 1.0 6 | 1.0 6 | | $S^{32}$(n,p) | Activation | 1 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| P31 | Sigma | 4.4 6 | 4.4 6 | | | Activation | 1 | PHY 30 1846 | Dec64 | NED | Heertje,I.+ |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 1 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| P31 | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| P31 | Ang Distr Direct | 1.4 7 | 1.4 7 | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| P31 | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | | * | 34 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,np) REACTION | | | | | | | | | | |
| P31 | Sigma | 1.4 7 | 1.4 7 | | Ratio | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| P31 | Sigma | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| P31 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | p-EMISSION | | | | | | | | | | |
| P31 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 6 | PR 125 1011 | Feb62 | BRN | Hassler. |
| P31 | Ang Distrib | 1.4 7 | 1.4 7 | | | | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | |
| P31 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 7 | NC 16 991 | Jun60 | CIS | Colli,L.+ |
| | (n,$He^3$) REACTION | | | | | | | | | | |
| P31 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 117 1568 | Mar60 | ARK | Kumabe. |
| | (n,alpha) REACTION | | | | | | | | | | |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| P31 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| P31 | Sigma | 1.3 7 | 1.7 7 | | | Activation | 11 | PR 128 1276 | Nov62 | KTY | Gabbard. |
| P31 | Sigma | 1.3 7 | 2.0 7 | | $Cu^{63}$(n,2n) | Activation * | 7 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| P31 | Sigma | 3.0 6 | 5.1 6 | | Another Reac | Activation | 20 | NP 48 686 | Nov63 | CAT | Cuzzocrea. |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 1 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,alpha) REACTION (CONTINUED) | | | | | | | | | | |
| P31 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 66 419 | May65 | GER | Peil,A.+ |
| P31 | Sigma | 6.1 6 | 9.0 6 | | H(n,n) | Activation | 116 | EANDC/E- 66 64 | Feb66 | FRK | Bass,R.+ |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| P31 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| P31 | Sigma | 2.5 -2 | 2.5 -2 | | $Na^{23}$ | Activation | 1 | NKA 8 437 | 63 | POL | Jozefowicz. |
| | NONELASTIC SCATT | | | | | | | | | | |
| P31 | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| P31 | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| P31 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | HPA 20 105 | Apr47 | ETH | Rossel,J. |
| P31 | Sigma | 1.9 6 | 3.7 6 | | Absolute | Accelerator | 80 | NC 8 383 | Jun51 | ETH | Ricamo. |
| P31 | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| P31 | Sigma | 4.0 4 | 6.8 5 | | Absolute | Accelerator | 65 | PR 90 615 | May53 | BAR | Snowdon,S.C.+ |
| P31 | Sigma | 1.3 5 | 8.3 5 | | Absolute | Accelerator | 196 | PR 92 652 | Nov53 | MIT | Hansen,K.F.+ |
| P31 | Sigma | 4.0 4 | 1.8 5 | | Absolute | Accelerator | 49 | NEWSON 54D | Apr54 | DKE | Newson. |
| P31 | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 31 | PR 94 1678 | Jun54 | LAS | Nereson. |
| P31 | Sigma | 6.2 3 | 1.9 4 | | Absolute | TimeOfFlight | 27 | PR 109 926 | Feb58 | ORL | Good. |
| P31 | Sigma | 2.4 6 | 5.2 6 | | Absolute | Accelerator | 97 | NC 18 671 | Nov60 | CAT | Cuzzocrea. |
| P31 | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| P31 | Sigma | 3.2 6 | 4.4 6 | | Absolute | Transmission | 27 | JPJ 18 610 | May63 | JAE | Tsukada. |
| P31 | Sigma | 8.3 5 | 1.2 6 | | Absolute | TimeOfFlight | 167 | CR 257 1073 | Jul63 | FR | Cabe,J.+ |
| P31 | Sigma | 5.4 6 | 8.5 6 | | | TimeOfFlight | 250 | NC B 44 455 | Aug66 | PAD | Pasoli,U.+ |
| P31 | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| P31 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| P31 | Γ | 1.6 5 | 1.6 5 | | | | 1 | PATTERSON 57L | Dec57 | DKE | Patterson. |
| | OTHER RESON PARAM | | | | | | | | | | |
| P31 | Spin of Reson | 1.6 5 | 1.6 5 | | | | 2 | PATTERSON 57L | Dec57 | DKE | Patterson. |
| | AVERAGED PARAM | | | | | | | | | | |
| P31 | Strength Funct | 4.0 6 | 4.0 6 | | | Transmission | 1 | JPJ 18 610 | May63 | JAE | Tsukada. |
| P31 | Level Spacing | 4.0 6 | 4.0 6 | | | Transmission | 1 | JPJ 18 610 | May63 | JAE | Tsukada. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| P31 | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| P32 | Nucl Temperature | 1.4 7 | 1.4 7 | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| S | Sigma | 2.5 | 4 | 8.3 | 5 | S | Alna+Cu(n2n) | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| S | Sigma | 2.4 | 4 | 8.3 | 5 | | Absolute | Shell Trans | 3 | AE 8 549 | 60 | CCP | Belanova. |
| S | Sigma | 6.5 | 4 | 6.5 | 4 | | Indium | Scint Tank | 1 | PR 129 2695 | Mar63 | ORL | Macklin. |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | NP A130 401 | Jun69 | NJS | Cvelbar. |
| S | Spectrum | 2.5 | -2 | 2.5 | -2 | | Ratio | Ge(Li)Detect | 25 | NP A 96 658 | Apr67 | MCM | Kennett,T.J.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | 1 | YF 1 803 | May65 | LEB | Bochkarev,V.N.+ |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | 7 | NSE 8 173 | Sep60 | SOC | Caldwell. |
| S | Ang Distrib | 5.5 | 6 | 8.5 | 6 | | Carbon | CrystalScint | 28 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| S | Ang Distrib | 3.5 | 6 | 4.5 | 6 | | Lead | CrystalScint | 3 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | 6 | YF 1 803 | May65 | LEB | Bochkarev,V.N.+ |
| S | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 14 | USNRDL-1043 | Jul66 | NRD | Thompson. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| S | Sigma | 3.7 | 6 | 3.7 | 6 | | | Diff Sig Int | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | PR 115 999 | Aug59 | MON | Pierre,St. |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | NP 37 412 | Sep62 | THA | Tesch,K. |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Diff Sig Int | 1 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| S | Sigma | 2.4 | 6 | 5.8 | 6 | | | TimeOfFlight | 5 | NP 79 231 | Apr66 | DKE | Pettit,G.A.+ |
| S | Sigma | 2.5 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight* | 8 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| S | Ang Distrib | 2.7 | 6 | 2.7 | 6 | | σ(Total) | Ring Geomtry | 18 | PR 98 634 | May55 | TEX | Little,R.N.+ |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 11 | PR 101 684 | Jan56 | NRL | Elliot,J.O. |
| S | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 24 | PR 114 1563 | Jun59 | BAR | Machwe. |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 18 | PR 115 999 | Aug59 | MON | Pierre,St. |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 26 | ZET 41 313 | Aug61 | UKR | Strizhak,V.I.+ |
| S | Ang Distrib | 3.5 | 6 | 4.8 | 6 | | | TimeOfFlight | 43 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 13 | NP 37 412 | Sep62 | THA | Tesch,K. |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 22 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | Absolute | TimeOfFlight | 22 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| S | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 13 | NP 62 225 | Feb65 | SAC | Conjeaud,M.+ |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 14 | NP 68 97 | Jun65 | ORL | Stelson. |
| S | Ang Distrib | 7.6 | 6 | 7.6 | 6 | | | TimeOfFlight | 12 | PEREY 68C | Mar68 | ORL | Perey. |
| S | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | | TimeOfFlight | 13 | BAP 13 1420 | Nov68 | KTY | Mittler. |
| S | Ang Distrib | 2.5 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 135 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| S | Ang Distrib | 4.5 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight | 52 | 70HELSNK/II-317 | Jun70 | JAE | Tanaka,S.+ |
| S | Legendre Fit | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 7 | PR 114 1563 | Jun59 | BAR | Machwe. |
| S | Legendre Fit | 2.5 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 58 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| S | Polarizat n-out | 3.3 | 6 | 3.3 | 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | PEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| S | Sigma | 2.5 | 6 | 2.5 | 6 | S | | Ion Chamber | 1 | PR 77 286 | Jan50 | OXF | Beghian,L.E.+ |
| S | Sigma | 2.5 | 6 | 2.5 | 6 | | | Ion Chamber | 1 | PR 82 969 | Jun51 | OXF | Grace,M.A.+ |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Diff Sig Int | 2 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| S | Sigma | 2.4 | 6 | 5.8 | 6 | | | Diff Sig Int | 5 | NP 79 231 | Apr66 | DKE | Pettit,G.A.+ |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 38 | NP 37 412 | Sep62 | THA | Tesch,K. |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 16 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | Absolute | TimeOfFlight | 16 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| S | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 25 | NP 62 225 | Feb65 | SAC | Conjeaud,M.+ |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 14 | NP 68 97 | Jun65 | ORL | Stelson. |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 50 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| S | Ang Distrib | 7.6 | 6 | 7.6 | 6 | | | TimeOfFlight | 45 | PEREY 68C | Mar68 | ORL | Perey. |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| S | Sigma | 2.5 | 6 | 2.5 | 6 | | $Co^{59}$ | Coincidences | 1 | PR 77 286 | Jan50 | OXF | Beghian,L.E.+ |
| S | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*σ(90°) | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| S | Sigma | 2.6 | 6 | 2.6 | 6 | N | | 4Pi*σ(90°) | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| S | Sigma | 6.0 | 4 | 1.8 | 6 | | Carbon | Diff Sig Int | 22 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| S | Sigma | 5.8 | 5 | 6.1 | 5 | | Carbon | Diff Sig Int | 23 | AP 12 135 | Feb61 | ANL | Lane. |
| S | Ang Distrib | 6.0 | 4 | 1.8 | 6 | | Carbon | ModeratrTank | 110 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| S | Ang Distrib | 5.8 | 5 | 6.1 | 5 | | Carbon | ModeratrTank | 184 | AP 12 135 | Feb61 | ANL | Lane. |
| S | Legendre Fit | 5.8 | 5 | 6.1 | 5 | | Carbon | ModeratrTank | 161 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| S | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| S | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| S | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| S | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | (n,np) REACTION | | | | | | | | | | | | |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | p-EMISSION | | | | | | | | | | | | |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 6 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| S | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| S | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| S | Sigma | 2.5 | -2 | 2.5 | -2 | | | ManganesBath | 1 | BAP 13 1421 | Nov68 | ANL | De Volpi. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| S | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Flerov. |
| S | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| S | Sigma | 7.0 | 6 | 7.0 | 6 | | Absolute | Shell Trans | 1 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| S | Sigma | 3.7 | 6 | 3.7 | 6 | | | Total | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| S | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight* | 8 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| S | Sigma | 2.5 | 6 | 2.9 | 6 | | Absolute | Ion Chamber | 2 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| S | Sigma | 1.5 | 4 | 1.7 | 5 | | Absolute | Accelerator | 27 | PR 76 308 | Jul49 | WIS | Adair. |
| S | Sigma | 1.3 | 5 | 2.6 | 5 | S | Absolute | Accelerator | 21 | PR 76 308 | Jul49 | WIS | Adair. |
| S | Sigma | 2.5 | 6 | 2.5 | 6 | | H(n,n) | RecoilChambr | 1 | PR 77 286 | Jan50 | OXF | Beghian,L.E.+ |
| S | Sigma | 1.4 | 6 | 1.9 | 6 | | Absolute | Accelerator | 27 | PR 78 508 | Jun50 | MIN | Freier. |
| S | Sigma | 1.5 | 5 | 1.4 | 8 | | Absolute | Accelerator | 319 | PR 79 593 | Aug50 | WIS | Peterson,R.E.+ |
| S | Sigma | 4.2 | 7 | 4.2 | 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| S | Sigma | 2.0 | 6 | 5.8 | 6 | | Absolute | Ion Chamber | 21 | PPS 64 388 | 51 | CAV | Stafford. |
| S | Sigma | 1.9 | 6 | 3.7 | 6 | | Absolute | Accelerator | 58 | NC 8 383 | Jun51 | ETH | Ricamo. |
| S | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| S | Sigma | 2.9 | 6 | 1.3 | 7 | | Absolute | Ion Chamber | 39 | PR 89 775 | Feb53 | LAS | Nereson. |
| S | Sigma | 1.4 | 7 | 1.8 | 7 | | Absolute | Accelerator | 3 | PR 94 651 | May54 | RIC | Cook. |
| S | Sigma | 5.6 | 5 | 6.0 | 5 | | Absolute | Accelerator | 36 | RSI 28 89 | Feb57 | LAS | Beauchamp,R.K.+ |
| S | Sigma | 4.1 | 5 | 1.2 | 6 | | Absolute | TimeOfFlight | 16 | PHY 24 331 | 58 | NED | Rethmeier,J.+ |
| S | Sigma | 3.7 | 6 | 3.7 | 6 | | Absolute | Accelerator | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| S | Sigma | 2.9 | 6 | 5.2 | 6 | | Absolute | Accelerator | 77 | NC 18 671 | Nov60 | CAT | Cuzzocrea. |
| S | Sigma | 2.8 | 7 | 2.8 | 7 | | Absolute | Accelerator | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| S | Sigma | 3.1 | 6 | 5.0 | 6 | | Absolute | Transmission | 59 | JPJ 18 610 | May63 | JAE | Tsukada. |
| S | Sigma | 3.7 | 6 | 5.0 | 6 | | Absolute | Accelerator | 136 | EANDC/E- 49 66 | Oct63 | FR | Cabe,J.+ |
| S | Sigma | 2.0 | 4 | 4.0 | 4 | | Absolute | TimeOfFlight | 128 | PR 136B 695 | Nov64 | ORL | Macklin. |
| S | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | Accelerator | 540 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| S | Sigma | 5.4 | 5 | 6.5 | 5 | | Absolute | TimeOfFlight | 105 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| S | Sigma | 4.9 | 6 | 8.6 | 6 | | | TimeOfFlight | 146 | NC B 44 455 | Aug66 | PAD | Pasoli,U.+ |
| S | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 244 | FOSTER 67E | May67 | BNW | Foster. |
| S | Sigma | 4.5 | 6 | 1.3 | 7 | | Absolute | Accelerator | 459 | PR 158 1142 | Jun67 | WIS | Carlson. |
| S | Sigma | 5.4 | 6 | 6.3 | 6 | | Absolute | Transmission* | 24 | CHP 5 43 | Oct67 | THU | Kao,W.H.+ |
| S | Sigma | 5.0 | 5 | 3.2 | 7 | | Absolute | TimeOfFlight* | 5115 | KFK-1000 | Jun68 | KFK | Cierjacks,S.+ |
| S | Sigma | 1.8 | 6 | 2.6 | 6 | | Absolute | Accelerator | 100 | NP A117 472 | Sep68 | NRD | Ferguson. |
| S | Sigma | 1.2 | 6 | 5.0 | 6 | | Absolute | * | 737 | CABE 69C | Mar69 | BRC | Adam,A.+ |
| S | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| S | Γ(γ) | 1.0 | 5 | 1.0 | 5 | | | | 1 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| S | gΓ(γ) | 3.0 | 4 | 1.3 | 5 | | | | 4 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| | n-WIDTH | | | | | | | | | | | | |
| S | Γ(n,l=1) | 3.0 | 4 | 1.0 | 5 | | | | 2 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| | OTHER RESCN PARAM | | | | | | | | | | | | |
| S | Resonance Energy | 3.0 | 4 | 4.6 | 5 | | | | 5 | 65ANTWRP- 74 | Jul65 | COL | Garg,J.B.+ |
| S | Spin of Reson | 1.0 | 5 | 3.8 | 5 | | | | 2 | 65ANTWRP- 74 | Jul65 | COL | Garg,J.B.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| S | Strength Funct | 4.0 | 6 | 5.0 | 6 | | | Transmission | 2 | JPJ 18 610 | May63 | JAE | Tsukada. |
| S | Level Spacing | 4.0 | 6 | 5.0 | 6 | | | Transmission | 2 | JPJ 18 610 | May63 | JAE | Tsukada. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| S | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 1 | YF 4 1154 | Dec66 | FEI | Salnikov,O.A.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 1.6 | 4 | 4.6 | 4 | | σ(E≠E(th)) | Moxon-Rae C | 9 | NP 43 353 | 63 | ORL | Macklin. |
| $S^{32}$ | Sigma | 1.3 | 4 | 5.9 | 4 | | $Ta^{181}$ | Moxon-Rae C | 31 | GIBBONS 64C | Mar64 | ORL | Gibbons. |
| $S^{32}$ | Spectrum | 8.3 | 5 | 8.6 | 6 | | | γ-Spectromet | 23 | NP 80 321 | May66 | NED | Van Middelkoop,G.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| $S^{32}$ | Ang Distrib | 2.6 | 6 | 2.6 | 6 | | | Ring Geomtry | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| $S^{32}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | Ring Geomtry | 6 | YF 1 803 | May65 | LEB | Bochkarev,V.N.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | C | Absolute | Diff Sig Int | 1 | HARAR 66 | 66 | PAR | Harar,S. |
| $S^{32}$ | Ang Distrib | 6.1 | 6 | 6.1 | 6 | | Absolute | TimeOfFlight | 16 | 65ANTWRP- 37 | Jul65 | HAR | Stewart,D.T.+ |
| $S^{32}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | TimeOfFlight | 26 | HARAR 66 | 66 | PAR | Harar,S. |
| $S^{32}$ | Ang Distrib | 5.9 | 6 | 5.9 | 6 | | At one Angle | TimeOfFlight* | 16 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 5.9 | 6 | 5.9 | 6 | | At one Angle | TimeOfFlight | 4 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| $S^{32}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 12 | ZET 41 24 | Jul61 | OKR | Boby'r. |
| $S^{32}$ | Ang Distrib | 3.5 | 6 | 4.8 | 6 | | | TimeOfFlight | 44 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| $S^{32}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 38 | NP 37 412 | Sep62 | THA | Tesch,K. |
| $S^{32}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 16 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| $S^{32}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | Absolute | TimeOfFlight | 16 | NP 53 177 | Apr64 | CR | Clarke,R.L.+ |
| $S^{32}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 26 | NP 62 225 | Feb65 | SAC | Conjeaud,M.+ |
| $S^{32}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 14 | NP 68 97 | Jun65 | ORL | Stelson. |
| $S^{32}$ | Ang Distrib | 6.1 | 6 | 6.1 | 6 | | Absolute | TimeOfFlight | 16 | 65ANTWRP- 37 | Jul65 | HAR | Stewart,D.T.+ |
| $S^{32}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | TimeOfFlight | 52 | HARAR 66 | 66 | PAR | Harar,S. |
| $S^{32}$ | Ang Distrib | 7.6 | 6 | 7.6 | 6 | | | TimeOfFlight | 46 | PEREY 68C | Mar68 | ORL | Perey. |
| $S^{32}$ | Ang Distrib | 5.9 | 6 | 5.9 | 6 | | At one Angle | TimeOfFlight | 64 | NP A113 564 | Jun68 | HAR | Martin,J.+ |
| $S^{32}$ | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | | TimeOfFlight | 13 | BAP 13 1420 | Nov68 | KTY | Mittler. |
| $S^{32}$ | Ang Distrib | 4.5 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight | 194 | 70HELSNK/II-317 | Jun70 | JAE | Tanaka,S.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | $4\pi*\sigma(90°)$ | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $S^{32}$ | Sigma | 2.6 | 6 | 2.6 | 6 | N | | $4\pi*\sigma(90°)$ | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $S^{32}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Carbon | Diff Sig Int | 1 | YF 1 803 | May65 | LEB | Bochkarev,V.N.+ |
| $S^{32}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | JNE 19 447 | Jun65 | GLS | Martin,P.W.+ |
| $S^{32}$ | Ang Distrib | 2.6 | 6 | 2.6 | 6 | | | Ring Geomtry | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| $S^{32}$ | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 1 | PR 103 1031 | Aug56 | TEX | Morgan,I.L. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| $S^{32}$ | Ang Distrib | 5.8 | 5 | 6.1 | 5 | | Carbon | ModeratrTank | 182 | AP 12 135 | Feb61 | ANL | Lane. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 1.6 | 7 | 1.8 | 7 | | Copper | Coincidences | 5 | ARNOLD 65 | Nov65 | GEO | Arnold. |
| $S^{32}$ | Sigma | 1.6 | 7 | 1.6 | 7 | | | Activation | 3 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 1.6 | 6 | 5.8 | 6 | | $Ta^{181}$ | Activation | 8 | PR 73 106 | Jan48 | LAS | Klema. |
| $S^{32}$ | Sigma | 1.9 | 6 | 3.7 | 6 | | σ(E≠E(th)) | Activation | 39 | HPA 23 561 | 50 | ETH | Luscher,E.+ |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $S^{32}$ | Sigma | 2.2 | 6 | 4.0 | 6 | | H(n,n) | Ion Chamber | 38 | HPA 28 33 | Feb55 | BAS | Hurlimann,T.+ |
| $S^{32}$ | Sigma | 1.6 | 6 | 1.5 | 7 | | σ(E≠E(th)) | Activation | 32 | PR 107 1363 | Sep57 | LAS | Allen,L.+ |
| $S^{32}$ | Sigma | 2.9 | 6 | 1.4 | 7 | | Absolute | Activation | 5 | PR 107 1363 | Sep57 | LAS | Allen,L.+ |
| $S^{32}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 1 | NC 17 634 | Sep60 | CIS | Colli,L.+ |
| $S^{32}$ | Sigma | 1.0 | 7 | 2.0 | 7 | | σ(E≠E(th)) | Activation | 16 | CJC 41 123 | 63 | CR | Santry. |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Nuc Emulsion | 1 | NP 44 123 | Jun63 | RBZ | Antolkovic,B. |
| $S^{32}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $S^{32}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Ion Chamber | 1 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| $S^{32}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| $S^{32}$ | Sigma | 4.4 | 6 | 4.4 | 6 | | | Activation | 1 | PHY 30 1846 | Dec64 | NED | Heertje,I.+ |
| $S^{32}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | $Co^{59}$ | | 1 | EANDC/E- 57 69 | Feb65 | MOL | Pabry. |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| $S^{32}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | TID-24823 49 | Jan69 | ORL | |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Activation * | 1 | NP A138 387 | Dec69 | LRL | Barrall. |
| $S^{32}$ | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $S^{32}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 11 | NC 17 634 | Sep60 | CIS | Colli,L.+ |
| $S^{32}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Nuc Emulsion | 14 | NC 22 853 | Nov61 | RBZ | Antolkovic. |
| | (n,np) REACTION | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $S^{32}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | p-EMISSION | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Nuc Emulsion | 1 | NP 44 123 | Jun63 | RBZ | Antolkovic,B. |
| $S^{32}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Nuc Emulsion | 42 | NC 22 853 | Nov61 | RBZ | Antolkovic. |
| | (n,d) REACTION | | | | | | | | | | | | |
| $S^{32}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 9 | NC 16 99% | Jun60 | CIS | Colli,L.+ |
| | (n,t) REACTION | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | CJC 39 684 | 61 | CAN | Baerg. |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | NP 32 106 | Apr62 | CBR | Weigold,E.+ |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Proportion C | 1 | APR/ARK- 14 | Jan63 | ARK | |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $S^{32}$ | Sigma | 1.5 | 7 | 2.0 | 7 | | H(n,n) | Activation * | 6 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | OAW 176 305 | Jun68 | IRK | Sacher,R.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 2.2 | 6 | 4.1 | 6 | | H(n,n) | Ion Chamber | 71 | HPA 28 33 | Feb55 | BAS | Hurlimann,T.+ |
| $S^{32}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Ion Chamber | 1 | SEPPI 56 | 56 | HAN | Seppi. |
| $S^{32}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Li^{6}$(n,a) | Nuc Emulsion | 1 | ZP 153 106 | 58 | GER | Munnich. |
| $S^{32}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | $Li^{6}$(n,a) | Nuc Emulsion | 1 | ZP 153 106 | 58 | GER | Munnich. |
| $S^{32}$ | Sigma | 1.4 | 6 | 3.7 | 6 | | $U^{238}$(n,f) | Back-to-Back | 48 | BAP 3 37 | Jan58 | ORL | Schmitt. |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | C | Absolute | Nuc Emulsion | 1 | JPJ 13 325 | Apr58 | KTO | Kumabe,I.+ |
| $S^{32}$ | Sigma | 3.6 | 6 | 3.6 | 6 | | At one Angle | Diff Sig Int | 1 | NP 72 213 | Oct65 | CHL | Gonzalez,L.+ |
| $S^{32}$ | Sigma | 2.5 | -2 | 3.5 | -2 | | | Nuc Emulsion | 2 | APP 28 763 | Dec65 | KRK | Benisz,J.+ |
| $S^{32}$ | Ang Distrib | 3.6 | 6 | 3.6 | 6 | | At one Angle | Solidstate C | 6 | NP 72 218 | Oct65 | CHL | Gonzalez,L.+ |
| $S^{32}$ | Ang Distrib | 2.5 | 6 | 3.2 | 6 | | Arb Units | Solidstate C | 39 | CR 261 3582 | Nov65 | FR | Chambon,B.+ |
| | alpha-EMISSION | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 1.5 | 7 | 1.5 | 7 | C | Absolute | Nuc Emulsion | 1 | JPJ 13 325 | Apr58 | KTO | Kumabe,I.+ |
| $S^{32}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | Nuc Emulsion | 9 | JPJ 13 325 | Apr58 | KTO | Kumabe,I.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $S^{32}$ | Sigma | 5.8 | 6 | 5.9 | 6 | | Absolute | Accelerator | 12 | PR 109 891 | Feb58 | ORL | Wills. |
| $S^{32}$ | Sigma | 2.8 | 7 | 2.8 | 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $S^{32}$ | gΓ(γ) | 3.0 | 4 | 3.0 | 4 | | | | 1 | PR 136B 695 | Nov64 | ORL | Macklin. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $S^{32}$ | Γ | 1.1 | 5 | 1.1 | 5 | | | | 1 | PR 76 308 | Jul49 | WIS | Adair. |
| $S^{32}$ | Γ | 3.8 | 5 | 7.0 | 5 | | | | 3 | PR 79 593 | Aug50 | WIS | Peterson,R.E.+ |
| $S^{32}$ | Γ | 3.0 | 4 | 3.0 | 4 | | | | 2 | PR 136B 695 | Nov64 | ORL | Macklin. |
| | OTHER RESCN PARAM | | | | | | | | | | | | |
| $S^{32}$ | Resonance Energy | 2.0 | 5 | 2.0 | 5 | | | | 1 | PR 76 308 | Jul49 | WIS | Adair. |
| $S^{32}$ | Resonance Energy | 1.1 | 5 | 7.4 | 5 | | | | 6 | PR 79 593 | Aug50 | WIS | Peterson,R.E.+ |
| $S^{32}$ | Spin of Reson | 1.1 | 5 | 1.1 | 5 | | | | 1 | PR 76 308 | Jul49 | WIS | Adair. |
| $S^{32}$ | Spin of Reson | 3.8 | 5 | 7.0 | 5 | | | | 3 | PR 79 593 | Aug50 | WIS | Peterson,R.E.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| $S^{33}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $S^{32}$(n,p) | Activation * | 1 | PR 88 573 | Nov52 | KTH | Westermark. |
| $S^{33}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Ion Chamber | 1 | SEPPI 56 | 56 | HAN | Seppi. |
| $S^{33}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | $S^{32}$(n,p) | Activation * | 1 | NUK 8 59 | Jan66 | HUN | Koehler,W.+ |
| $S^{33}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | TID-24823 49 | Jan69 | ORL | |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $S^{33}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Ion Chamber | 1 | SEPPI 56 | 56 | HAN | Seppi. |
| $S^{33}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Li^{6}$(n,a) | Nuc Emulsion | 1 | ZP 153 106 | 58 | GER | Munnich. |
| $S^{33}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | $Li^{6}$(n,a) | Nuc Emulsion | 1 | ZP 153 106 | 58 | GER | Munnich. |
| $S^{33}$ | Sigma | 2.5 | -2 | 3.5 | -2 | | | Nuc Emulsion | 2 | APP 28 763 | Dec65 | KRK | Benisz,J.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $S^{33}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $S^{34}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | NC 19 4 | 61 | CR | Durham. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION | | | | | | | | | | | |
| $S^{34}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $S^{34}$ | Sigma | 1.4 7 | 1.7 7 | | H(n,n) | Activation | * | 6 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| $S^{34}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | * | 1 | NP 85 476 | Sep66 | MUA | Rama Prasad,P.+ |
| $S^{34}$ | Sigma | 2.0 6 | 2.0 6 | | | Activation | | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $S^{34}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $S^{34}$ | Sigma | 4.8 6 | 1.4 7 | | AnothA SameZ | Activation | | 12 | PR 107 1363 | Sep57 | LAS | Allen,L.+ |
| $S^{34}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $S^{34}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Cl | Sigma | 2.2 1 | 1.7 4 | | σ(Thermal) | Slowing-Down | 69 | JNE 14 76 | 61 | LEB | Kashukeev. |
| Cl | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Cl | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Cl | Spectrum | 2.5 -2 | 2.5 -2 | | γ's /100neut | γ-Spectromet* | 169 | CNEN/RT/FI- 47 | Nov70 | CAS | Fubini,A.+ |
| | γ,EMISSION | | | | | | | | | | |
| Cl | Ang Distrib | 1.5 7 | 1.5 7 | | | CrystalScint | 13 | USNRDL-1043 | Jul66 | NRD | Thompson. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Cl | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Cl | Sigma | 1.0 6 | 1.2 6 | | | $He^3$ Spec | 2 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Cl | Sigma | 2.5 6 | 4.2 6 | | Iron | CrystalScint | 23 | PR 151 879 | Nov66 | KTY | Nichols. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Cl | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cl | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cl | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cl | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,d) REACTION | | | | | | | | | | |
| Cl | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 12 | NP A106 401 | Dec67 | RBZ | Ilakovac. |
| | (n,alpha) REACTION | | | | | | | | | | |
| Cl | Sigma | 3.0 6 | 3.0 6 | | Nitrogen | Ion Chamber | 1 | HPA 20 236 | Aug47 | BAS | Metzger,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Cl | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Activation | 1 | CR 232 2089 | May51 | PAR | Grimeland,B.+ |
| Cl | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Cl | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | BOS 24 7 | 61 | BOS | Ghose. |
| Cl | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | NKA 8 443 | 63 | POL | |
| Cl | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | KAY 64 | 64 | UK | Kay. |
| Cl | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Cl | Sigma | 4.1 6 | 4.1 6 | | Absolute | Shell Trans | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Cl | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Cl | Sigma | 2.9 6 | 2.9 6 | | Absolute | Ion Chamber | 1 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| Cl | Sigma | 2.5 7 | 2.5 7 | | Absolute | Threshold C | 1 | PR 68 240 | Dec45 | HRV | Sherr. |
| Cl | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| Cl | Sigma | 9.5 7 | 9.5 7 | | Absolute | Fission Det | 1 | PR 77 606 | Mar50 | BRK | Dejuren,J.+ |
| Cl | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Cl | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Cl | Sigma | 6.0 4 | 6.9 5 | | Absolute | Accelerator | 56 | PR 90 615 | May53 | BAR | Snowdon,S.C.+ |
| Cl | Sigma | 2.2 6 | 2.8 6 | | Absolute | Accelerator | 14 | PR 90 618 | May53 | TEX | Dvorak,H.R.+ |
| Cl | Sigma | 1.3 5 | 1.1 6 | | Absolute | Accelerator | 438 | PR 91 66 | Jul53 | MIT | Kiehn,R.M.+ |
| Cl | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Cl | Sigma | 7.7 7 | 1.1 8 | | | Count Telesc | 8 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| Cl | Sigma | 3.1 -2 | 7.2 1 | | Absolute | Crystal Spec | 488 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| Cl | Sigma | 1.7 1 | 1.5 4 | | Absolute | TimeOfFlight | 144 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| Cl | Sigma | 7.0 3 | 1.9 5 | | | Proportion C | 96 | PR 105 198 | Jan57 | DKE | Newson. |
| Cl | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Cl | Sigma | 3.2 6 | 5.1 6 | | Absolute | Transmission | 30 | JPJ 18 610 | May63 | JAE | Tsukada. |
| Cl | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 247 | FOSTER 67E | May67 | BNW | Foster. |
| Cl | Sigma | 5.0 5 | 3.2 7 | | Absolute | TimeOfFlight* | 5129 | KFK-1000 S2 | Feb69 | KFK | Cierjacks,S.+ |
| Cl | Sigma | 1.5 7 | 1.5 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| Cl | Sigma | 5.1 6 | 8.6 6 | | Absolute | TimeOfFlight* | 141 | ZAGO 71L | Dec71 | PAD | Pasoli,U.+ |
| | n-WIDTH | | | | | | | | | | |
| Cl | 2agΓ(n) | 2.5 4 | 9.4 4 | | | | 7 | BILPUCH 59H | Aug59 | DKE | Bilpuch. |
| Cl | 2agΓ(n,l=0) | 2.5 4 | 9.4 4 | | | | 7 | BILPUCH 59H | Aug59 | DKE | Bilpuch. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Cl | Resonance Energy | 4.0 2 | 4.1 5 | | | | 53 | 65ANTWRP- 74 | Jul65 | COL | Garg,J.B.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Cl | Strength Funct | 4.0 6 | 5.0 6 | | | Transmission | 2 | JPJ 18 610 | May63 | JAE | Tsukada. |
| Cl | Level Spacing | 4.0 6 | 5.0 6 | | | Transmission | 2 | JPJ 18 610 | May63 | JAE | Tsukada. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cl^{35}$ | Spectrum | 2.5 -2 | 2.5 -2 | | γ's /100neut | γ-Spectromet* | 169 | NC A 2 109 | Mar71 | CAS | Fubini,A.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Cl^{35}$ | Sigma | 2.5 6 | 4.0 6 | | Iron | CrystalScint | 12 | PR 151 879 | Nov66 | KTY | Nichols. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Cl^{35}$ | σ(Potential) | -7.5 1 | -7.5 1 | | | | 1 | PR 79 44 | Jul50 | ANL | Hibdon. |
| $Cl^{35}$ | σ(Potential) | -2.1 2 | -2.1 2 | | | | 1 | JNE 14 76 | 61 | LEB | Kashukeev. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 2 | NP 9 334 | 58 | ARK | Scalon. |
| $Cl^{35}$ | Sigma | 1.8 7 | 2.2 7 | | Al(n,p) | Activation | 7 | NP 21 340 | 60 | RIC | Mani. |
| $Cl^{35}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Cl^{35}$ | Sigma | 1.3 7 | 1.7 7 | | Copper | Coincidences | 11 | ARNOLD 65 | Nov65 | GEO | Arnold. |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.6 7 | | H(n,n) | Activation | 3 | EANDC/E- 76 51 | Jan67 | HAM | Bormann,M.+ |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | Metast/Total | Activation * | 1 | NP A 94 476 | Mar67 | MUA | Rama Prasad,P.+ |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 2 | NP A 94 476 | Mar67 | MUA | Rama Prasad,P.+ |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation * | 1 | OAW 176 311 | 68 | IRK | Schlaeffer,W.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | $Pr^{141}$ | Activation * | 2 | AHP 24 93 | Apr68 | DEB | Peto,G.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | CP-2638 10 | 44 | ANL | Langsdorf. |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | Nitrogen | Ion Chamber | 1 | HPA 17 97 | Mar44 | ETH | Gibert,A.+ |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | Nitrogen | CloudChamber | 1 | CP-2984 14 | 45 | ANL | Hughes. |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Activation | 1 | ZN A 4 150 | 49 | GER | Maurer. |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Mn^{55}$ | Activation | 1 | ZN A 4 150 | 49 | GER | Maurer. |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | Nitrogen | Nuc Emulsion | 1 | HPA 27 159 | Jun54 | NEU | Speiser,D.+ |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | Nitrogen | Nuc Emulsion | 1 | HPA 28 265 | May55 | NEU | Berthet,H.+ |
| $Cl^{35}$ | Sigma | 1.8 7 | 1.8 7 | | Al(n,p) | Activation | 1 | NP 21 344 | 60 | RIC | Mani. |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | NC 19 4 | 61 | CR | Durham. |
| $Cl^{35}$ | Sigma | 2.6 1 | 7.4 3 | | $\sigma$(Thermal) | Slowing-Down | 43 | ZET 40 610 | 61 | CCP | Popov. |
| $Cl^{35}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | S | Iron | Activation | 1 | PHY 31 1091 | Jan65 | NED | Nagel,W.+ |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 165 1184 | Jan68 | BNL | Schroder. |
| $Cl^{35}$ | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,d) REACTION | | | | | | | | | | |
| $Cl^{35}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 25 | NP A106 401 | Dec67 | RBZ | Ilakovac. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Cl^{35}$ | Sigma | 3.0 6 | 4.1 6 | | $U^{238}$(n,f) | Ion Chamber | 10 | HPA 26 349 | 53 | BAS | Adler. |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | SEPPI 56 | 56 | HAN | Seppi. |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 9 334 | 58 | ARK | Scalon. |
| $Cl^{35}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NC 19 4 | 61 | CR | Durham. |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | S | Iron | Activation | 1 | PHY 31 1091 | Jan65 | NED | Nagel,W.+ |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Cl^{35}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Cl^{35}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | TID-24823 49 | Jan69 | ORL | |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Cl^{35}$ | $\Gamma(\gamma)$ | -7.5 1 | -7.5 1 | | | | 1 | PR 79 44 | Jul50 | ANL | Hibdon. |
| $Cl^{35}$ | $\Gamma(\gamma)$ | -1.6 2 | -1.4 2 | | | | 2 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| $Cl^{35}$ | $\Gamma(\gamma)$ | -2.1 2 | -2.1 2 | | | | 1 | JNE 14 76 | 61 | LEB | Kashukeev. |
| $Cl^{35}$ | $\Gamma(\gamma)$ | -2.1 2 | -2.1 2 | | | | 1 | ZET 40 1610 | Jun61 | LEB | Popov,Yu.P.+ |
| $Cl^{35}$ | $\Gamma(\gamma)\sigma(0)$ | 4.0 2 | 4.3 3 | | | | 2 | ZET 40 1610 | Jun61 | LEB | Popov,Yu.P.+ |
| | n-WIDTH | | | | | | | | | | |
| $Cl^{35}$ | $\Gamma(n)$ | -7.5 1 | -7.5 1 | | | | 1 | PR 79 44 | Jul50 | ANL | Hibdon. |
| $Cl^{35}$ | $\Gamma(n)$ | 4.0 2 | 4.0 2 | | | | 1 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| $Cl^{35}$ | $\Gamma(n)$ | 4.0 2 | 4.3 3 | | | | 7 | JNE 14 76 | 61 | LEB | Kashukeev. |
| $Cl^{35}$ | $\Gamma(n)$ | 4.0 2 | 4.3 3 | | | | 6 | ZET 40 1610 | Jun61 | LEB | Popov,Yu.P.+ |
| $Cl^{35}$ | $2g\Gamma(n)$ | 1.5 4 | 1.8 5 | | | | 9 | BILPUCH 59H | Aug59 | DKE | Bilpuch. |
| $Cl^{35}$ | $2g\Gamma(n)$ | 4.0 2 | 4.0 2 | | | Selfindicatn | 1 | P-2198 | 65 | DUB | Popov,A.B.+ |
| $Cl^{35}$ | $\Gamma(n,l=0)$ | -1.6 2 | 4.0 2 | | | | 3 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| $Cl^{35}$ | $\Gamma(n,l=0)$ | 1.5 4 | 2.0 5 | | | | 8 | PATTERSON 57L | Dec57 | DKE | Patterson. |
| $Cl^{35}$ | $\Gamma(n,l=0)$ | -2.1 2 | 4.3 3 | | | | 8 | JNE 14 76 | 61 | LEB | Kashukeev. |
| $Cl^{35}$ | $2g\Gamma(n,l=0)$ | 1.5 4 | 1.8 5 | | | | 8 | BILPUCH 59H | Aug59 | DKE | Bilpuch. |
| | p-WIDTH | | | | | | | | | | |
| $Cl^{35}$ | $\Gamma(p)$ | -2.1 2 | 4.3 3 | | | | 3 | ZET 40 1610 | Jun61 | LEB | Popov,Yu.P.+ |
| $Cl^{35}$ | $\Gamma(p)\sigma(0)$ | 4.0 2 | 4.3 3 | | | | 2 | ZET 40 1610 | Jun61 | LEB | Popov,Yu.P.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Cl^{35}$ | $\Gamma$ | -7.5 1 | -7.5 1 | | | | 1 | PR 79 44 | Jul50 | ANL | Hibdon. |
| $Cl^{35}$ | $\Gamma$ | 2.6 4 | 2.6 4 | | | | 1 | PR 99 620 | Jul55 | DKE | Toller. |
| $Cl^{35}$ | $\Gamma$ | 4.0 2 | 4.0 2 | | | | 1 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| $Cl^{35}$ | $\Gamma$ | 4.3 3 | 4.3 3 | | | | 1 | JNE 14 76 | 61 | LEB | Kashukeev. |
| $Cl^{35}$ | $\Gamma$ | 4.0 2 | 4.3 3 | | | | 6 | ZET 40 1610 | Jun61 | LEB | Popov,Yu.P.+ |
| $Cl^{35}$ | $\Gamma$ | 4.0 2 | 4.0 2 | | | Selfindicatn | 1 | P-2198 | 65 | DUB | Popov,A.B.+ |
| $Cl^{35}$ | $\Gamma\sigma(0)$ | 4.0 2 | 4.3 3 | | | | 6 | JNE 14 76 | 61 | LEB | Kashukeev. |
| $Cl^{35}$ | $\Gamma\sigma(0)$ | 4.0 2 | 4.3 3 | | | | 6 | ZET 40 1610 | Jun61 | LEB | Popov,Yu.P.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Cl^{35}$ | Resonance Energy | 1.4 5 | 1.9 5 | | | | 2 | PR 99 620 | Jul55 | DKE | Toller. |
| $Cl^{35}$ | $\sigma(0)$ | -1.6 2 | 4.0 2 | | | | 2 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| $Cl^{35}$ | $\sigma(0)$ | -1.4 2 | -1.4 2 | | $I^{127}$ | | 1 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| $Cl^{35}$ | $\sigma(0)$ | 4.0 2 | 4.3 3 | | | | 7 | JNE 14 76 | 61 | LEB | Kashukeev. |
| $Cl^{35}$ | $\sigma(0)$ | 4.0 2 | 4.3 3 | | | | 6 | ZET 40 1610 | Jun61 | LEB | Popov,Yu.P.+ |
| $Cl^{35}$ | $\sigma(0)$ | 4.0 2 | 4.0 2 | | | Selfindicatn | 1 | P-2198 | 65 | DUB | Popov,A.B.+ |
| $Cl^{35}$ | Spin of Reson | 2.5 -2 | 2.5 -2 | | | CrystalScint | 4 | NP 77 267 | Mar66 | NED | Van Middelkoop,G.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Cl^{35}$ | Strength Fn(l=0) | 1.1 5 | 1.1 5 | | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| $Cl^{35}$ | Strength Fn(l=1) | 1.1 5 | 1.1 5 | | | | 1 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $Cl^{36}$ | Sigma | 2.5 -2 | 2.5 -2 | | AnothA SameZ | Mass Spec | 1 | CJP 33 35 | Feb55 | CR | Boyd. |
| $Cl^{36}$ | Sigma | 2.5 -2 | 2.5 -2 | N | AnothA SameZ | Mass Spec | 1 | CJP 33 35 | Feb55 | CR | Boyd. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Cl^{36}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | TID-24823 49 | Jan69 | ORL | |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $Cl^{37}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Cl^{37}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 613 | Jul54 | BNL | Scharff-Goldhaber. |
| $Cl^{37}$ | Sigma | 2.4 4 | 2.4 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Cl^{37}$ | Sigma | 2.0 5 | 4.0 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Cl^{37}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Cl^{37}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NC 19 4 | 61 | CR | Durham. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | |
| $Cl^{37}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | | 2 | AC 36 1588 | Jul64 | ISP | Girardi. |
| $Cl^{37}$ | Sigma | 2.9 6 | 2.9 6 | | Indium | Activation | * | 1 | OSA 105 236 | Jun68 | IRK | Colditz,J.+ |
| $Cl^{37}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Cl^{37}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Cl^{37}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 419 | Nov70 | NPL | Ryves,T.B.+ |
| $Cl^{37}$ | Rescn Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Cl^{37}$ | Sigma | 2.5 6 | 4.2 6 | | Iron | CrystalScint | | 5 | PR 151 879 | Nov66 | KTY | Nichols. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Cl^{37}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Cl^{37}$ | Sigma | 1.3 7 | 1.6 7 | | | Activation | * | 6 | NP 1 73 | 56 | UK | Cohen,A.V.+ |
| $Cl^{37}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | NP 9 334 | 58 | ARK | Scalon. |
| $Cl^{37}$ | Sigma | 1.8 7 | 1.8 7 | | Al(n,p) | Activation | | 1 | NP 21 344 | 60 | RIC | Mani. |
| $Cl^{37}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Proportion | C | 1 | 65CALCUTTA-145 | Feb65 | BOS | Mitra. |
| $Cl^{37}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $Cl^{37}$ | Sigma | 1.3 7 | 2.2 7 | | σ(E≠E(th)) | Activation | | 12 | NP 75 561 | Jan66 | TNC | Mathur. |
| $Cl^{37}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | * | 1 | NP 83 157 | Jul66 | BOS | Mitra,B.+ |
| $Cl^{37}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Cl^{37}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Cl^{37}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | NP 9 334 | 58 | ARK | Scalon. |
| $Cl^{37}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | * | 1 | NP 85 476 | Sep66 | MUA | Rama Prasad,P.+ |
| $Cl^{37}$ | Sigma | 1.3 7 | 1.6 7 | | H(n,n) | Activation | | 10 | EANDC/E- 76 51 | Jan67 | HAM | Bormann,M.+ |
| | n-WIDTH | | | | | | | | | | | |
| $Cl^{37}$ | Γ(n) | 8.5 3 | 1.9 5 | | | | | 18 | BILPUCH 59H | Aug59 | DKE | Bilpuch. |
| $Cl^{37}$ | Γ(n,l=0) | 8.0 3 | 2.0 5 | | | | | 9 | PATTERSON 57L | Dec57 | DKE | Patterson. |
| $Cl^{37}$ | Γ(n,l=0) | 8.5 3 | 1.9 5 | | | | | 8 | BILPUCH 59H | Aug59 | DKE | Bilpuch. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Cl^{37}$ | Γ | 8.8 3 | 9.4 4 | | | | | 6 | PR 99 620 | Jul55 | DKE | Toller. |
| $Cl^{37}$ | Γ | 8.7 3 | 8.7 3 | | | | | 1 | PR 104 1054 | Nov56 | MTR | Brugger,R.M.+ |
| $Cl^{37}$ | Γ | 2.7 4 | 2.0 5 | | | | | 12 | PATTERSON 57L | Dec57 | DKE | Patterson. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Cl^{37}$ | Resonance Energy | 1.4 5 | 1.9 5 | | | | | 2 | PR 99 620 | Jul55 | DKE | Toller. |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Cl^{37}$ | Strength Fn(l=0) | 1.1 5 | 1.1 5 | | | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| $Cl^{37}$ | Strength Fn(l=1) | 1.1 5 | 1.1 5 | | | | | 1 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | |
| Ar | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | * | | 1 | NP A133 410 | Aug69 | BNL | Rorer. |
| | ELASTIC SCATTERING | | | | | | | | | | | |
| Ar | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| Ar | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | | 1 | PR 156 1201 | Apr67 | OHO | Beach. |
| Ar | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | * | | 1 | NP A133 410 | Aug69 | BNL | Rorer. |
| Ar | Ang Distrib | 1.4 7 | 1.4 7 | | | PlasticScint | | 23 | PR 156 1201 | Apr67 | OHO | Beach. |
| | ELASTIC+INELASTIC | | | | | | | | | | | |
| Ar | Sigma | 2.7 -2 | 2.7 -2 | | Absolute | Crystal Spec | | 1 | CEA/R-2170 | 62 | SAC | Genin,R.+ |
| Ar | σ(Averaged) | 2.5 -2 | 2.5 -2 | | | Crystal Spec | | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| | MISC SCATT QUANT | | | | | | | | | | | |
| Ar | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | | 1 | PR 148 1303 | Aug66 | ANL | Krohn. |
| | alpha-EMISSION | | | | | | | | | | | |
| Ar | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Count Telesc | | 9 | NP 75 561 | Jan66 | TNC | Mathur. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| Ar | Sigma | 2.5 -2 | 2.5 -2 | | | Total | | 1 | ZN A 15 828 | Jul60 | MUN | Springer. |
| Ar | Sigma | 2.7 -2 | 2.7 -2 | | Absolute | Crystal Spec | | 1 | CEA/R-2170 | 62 | SAC | Genin,R.+ |
| Ar | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| Ar | Sigma | 4.4 5 | 1.1 6 | | Absolute | Accelerator | | 376 | PR 92 323 | Oct53 | MIT | Guernsey,J.B.+ |
| Ar | Sigma | 4.8 7 | 8.8 7 | | Absolute | Liquid Scint | | 2 | PR 96 115 | Oct54 | HRV | Hillman. |
| Ar | Sigma | 1.2 5 | 2.0 7 | | Absolute | Accelerator | | 159 | PR 118 683 | May60 | LOK | Imhof,W.L.+ |
| Ar | Sigma | 3.7 -4 | 2.3 -3 | | Absolute | TimeOfFlight | | 11 | ZN A 15 828 | Jul60 | MUN | Springer. |
| Ar | Sigma | 2.2 6 | 2.9 6 | | Absolute | Accelerator | | 5 | SPN- 209 | 61 | CCP | Vlasenko,V.P.+ |
| Ar | Sigma | 2.0 -3 | 2.5 -2 | | Absolute | Crystal Spec | | 24 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| Ar | Sigma | 7.5 -2 | 6.2 0 | | Absolute | Transmission* | | 14 | NP A133 410 | Aug69 | BNL | Rorer. |
| | ELASTIC SCATTERING | | | | | | | | | | | |
| $Ar^{36}$ | Sigma | 7.6 -2 | 7.6 -2 | | | Crystal Spec | | 1 | PR 105 976 | Feb57 | CR | Henshaw. |
| | ELASTIC+INELASTIC | | | | | | | | | | | |
| $Ar^{36}$ | Sigma | 5.0 -2 | 5.0 -2 | | Absolute | * | | 1 | PL A 28 642 | Feb69 | NED | Andriesse,C.D.+ |
| | MISC SCATT QUANT | | | | | | | | | | | |
| $Ar^{36}$ | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | | 1 | PR 148 1303 | Aug66 | ANL | Krohn. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Ar^{36}$ | Sigma | 1.2 6 | 5.7 6 | | | Ion Chamber | | 175 | NP 55 643 | 64 | RIC | Davis. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Ar^{36}$ | Sigma | 2.1 6 | 4.4 6 | | | Proportion C | | 10 | PR 91 473 | Jul53 | BNL | Toppel,B.J.+ |
| $Ar^{36}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Ion Chamber | | 1 | CJP 39 1784 | 61 | CR | Hanna. |
| $Ar^{36}$ | Sigma | 1.2 6 | 8.7 6 | | | Ion Chamber | | 307 | NP 55 643 | 64 | RIC | Davis. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| $Ar^{36}$ | Sigma | 7.6 -2 | 7.6 -2 | | Absolute | Crystal Spec | | 1 | PR 105 976 | Feb57 | CR | Henshaw. |
| | γ-WIDTH | | | | | | | | | | | |
| $Ar^{36}$ | Γ(γ) | -9.8 3 | -9.8 3 | | | | | 1 | PR 125 275 | Jan62 | BNL | Chrien. |
| | n-WIDTH | | | | | | | | | | | |
| $Ar^{36}$ | Γ(n,l=0) | -9.8 3 | -9.8 3 | | | | | 1 | PR 125 275 | Jan62 | BNL | Chrien. |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Ar^{37}$ | Fermi Param: a | 1.4 7 | 1.4 7 | | | * | | 1 | 65ANTWRP-110 | Jul65 | HAM | Bormann,M.+ |
| | MISC SCATT QUANT | | | | | | | | | | | |
| $Ar^{38}$ | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | | 1 | PR 148 1303 | Aug66 | ANL | Krohn. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Ar^{38}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | JIN 30 355 | Feb68 | ARK | Husain. |
| $Ar^{38}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | | | 1 | NP A128 333 | Apr69 | GIT | Ranakumar. |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Ar^{40}$ | Sigma | 1.4 5 | 1.0 6 | | | Activation | | 5 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| $Ar^{40}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | | 1 | ZN A 18 1339 | Aug63 | MUN | Kohler. |
| $Ar^{40}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Na^{23}$ | Activation | | 1 | ZN A 18 1339 | Aug63 | MUN | Kohler. |
| $Ar^{40}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Na^{23}$ | Activation | | 1 | ZN A 18 1339 | Aug63 | MUN | Kohler. |
| $Ar^{40}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | NP 65 225 | Mar65 | UK | Prench,R.L.D.+ |
| $Ar^{40}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | | | 1 | NP A128 333 | Apr69 | GIT | Ranakumar. |
| $Ar^{40}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | | 1 | NP 65 225 | Mar65 | UK | Prench,R.L.D.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | |
| $Ar^{40}$ | Sigma | 7.0 -2 | 7.0 -2 | | | Crystal Spec | | 1 | PR 105 976 | Feb57 | CR | Henshaw. |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Ar^{40}$ | Ang Distrib | 3.0 6 | 4.5 6 | | | TimeOfFlight | | 50 | NP 73 579 | Nov65 | TNC | Mathur,S.C.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| $Ar^{40}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | NP 62 172 | Feb65 | MTR | Gray,P.R.+ |
| $Ar^{40}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | JIN 30 355 | Feb68 | ARK | Husain. |
| $Ar^{40}$ | Sigma | 1.4 7 | 1.4 7 | | $S^{32}$(n,p) | | | 1 | NP A128 333 | Apr69 | GIT | Ranakumar. |
| | (n,np) REACTION | | | | | | | | | | | |
| $Ar^{40}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | JIN 30 355 | Feb68 | ARK | Husain. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,d) REACTION | | | | | | | | | | | | | | |
| $Ar^{40}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP | 62 | 172 | Feb65 | MTR | Gray,P.R.+ |
| | (n,np)+(n,d) REACT | | | | | | | | | | | | | | |
| $Ar^{40}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | | 1 | NP | A128 | 333 | Apr69 | GIT | Ranakumar. |
| | (n,alpha) REACTION | | | | | | | | | | | | | | |
| $Ar^{40}$ | Sigma | 5.9 | 6 | 8.9 | 6 | | | Ion Chamber | 86 | NP | 55 | 643 | 64 | RIC | Davis. |
| $Ar^{40}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP | 62 | 172 | Feb65 | MTR | Gray,P.R.+ |
| $Ar^{40}$ | Sigma | 1.4 | 7 | 2.0 | 7 | | Chlorine | Activation | 13 | NP | 75 | 561 | Jan66 | TNC | Mathur. |
| $Ar^{40}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | 1 | NP A | 98 | 451 | Jun67 | IIT | Yu-Wen Yu. |
| $Ar^{40}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | JIN | 30 | 355 | Feb68 | ARK | Husain. |
| $Ar^{40}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $S^{32}(n,p)$ | | 1 | NP | A128 | 333 | Apr69 | GIT | Ranakumar. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| $Ar^{40}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,$\gamma$) | Activation | 1 | NP | 65 | 225 | Mar65 | UK | French,R.L.D.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| K | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| K | Spectrum | 2.5 -2 | 2.5 -2 | | | γ-Spectromet | 13 | CJP 31 927 | Sep53 | CRC | Bartholomew,G.A.+ |
| | γ,EMISSION | | | | | | | | | | |
| K | Sigma | 4.0 6 | 4.0 6 | S | | Diff Sig Int | 4 | BAP 11 839 | Dec66 | KTY | Nichols. |
| K | Sigma | 1.8 6 | 4.0 6 | | Iron | | 20 | PR 166 1074 | Feb68 | KTY | Nichols. |
| K | Sigma | 1.8 6 | 4.0 6 | | Iron | Diff Sig Int | 20 | PR 166 1074 | Feb68 | KTY | Nichols. |
| K | Ang Distrib | 1.5 7 | 1.5 7 | | | CrystalScint | 11 | USNRDL-1043 | Jul66 | NRD | Thompson. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| K | Sigma | 3.2 4 | 9.5 4 | | Carbon | 4Pi*σ(90°) | 76 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| K | Sigma | 3.1 6 | 3.1 6 | | | Diff Sig Int | 1 | SPN- 224 | 61 | CCP | Popov,V.I. |
| K | Sigma | 3.7 6 | 3.7 6 | | | Diff Sig Int | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| K | Sigma | 3.0 5 | 3.0 5 | | | Diff Sig Int | 1 | UPZ 8 1389 | 63 | UKR | Korzh. |
| K | Sigma | 1.5 6 | 3.8 6 | | H(n,n) | Diff Sig Int | 4 | NP 72 515 | Oct65 | ALD | Towle,J.H.+ |
| K | Sigma | 2.1 6 | 7.9 6 | | H(n,n) | Liquid Scint | 5 | PR 163 1077 | Nov67 | KTY | Reber,J.D.+ |
| K | Ang Distrib | 3.1 6 | 3.1 6 | | | Ion Chamber | 10 | SPN- 224 | 61 | CCP | Popov,V.I. |
| K | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 22 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| K | Ang Distrib | 3.0 5 | 3.0 5 | | | Threshold C | 8 | UPZ 8 1389 | 63 | UKR | Korzh. |
| K | Ang Distrib | 1.5 6 | 3.8 6 | | H(n,n) | TimeOfFlight | 55 | NP 72 515 | Oct65 | ALD | Towle,J.H.+ |
| K | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 22 | PR 144 854 | Apr66 | OHO | Frasca,A.J.+ |
| K | Ang Distrib | 2.1 6 | 7.9 6 | | H(n,n) | Liquid Scint | 69 | PR 163 1077 | Nov67 | KTY | Reber,J.D.+ |
| K | Legendre Fit | 2.1 6 | 7.9 6 | | H(n,n) | Liquid Scint | 35 | PR 163 1077 | Nov67 | KTY | Reber,J.D.+ |
| | INEL SCATTERING | | | | | | | | | | |
| K | Sigma | 7.0 6 | 7.0 6 | | H(n,n) | 4Pi*σ(90°) | 20 | NP A100 257 | Jul67 | ALD | Towle,J.H.+ |
| K | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 53 | YF 2 826 | Nov65 | FEI | Anufrienko,V.F.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| K | Sigma | 1.3 5 | 1.4 6 | | Carbon | Diff Sig Int | 24 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| K | Sigma | 5.5 4 | 8.2 4 | | Carbon | 4Pi*σ(90°) | 7 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| K | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| K | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| K | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| K | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| K | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| K | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| K | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| K | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | ACR 20 220 | 66 | ORL | Brown,G.M.+ |
| | (n,np) REACTION | | | | | | | | | | |
| K | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences* | 1 | ZN A 15 200 | Mar60 | HAM | Bormann,M.+ |
| | alpha-EMISSION | | | | | | | | | | |
| K | Spectrum | 1.3 7 | 2.0 7 | | | CrystalScint* | 79 | ZN A 17 479 | Mar62 | HAM | Bormann,M. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| K | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| K | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| K | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| K | Sigma | 3.1 6 | 3.1 6 | | | Total | 1 | SPN- 224 | 61 | CCP | Popov,V.I. |
| K | Sigma | 3.7 6 | 3.7 6 | | | Total | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| K | Sigma | 2.5 6 | 2.9 6 | | Absolute | Ion Chamber | 2 | PR 56 260 | Aug39 | COL | Zinn,W.H.+ |
| K | Sigma | 8.0 3 | 6.0 5 | | Absolute | Accelerator | 118 | PR 77 747 | Mar50 | WIS | Peterson. |
| K | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| K | Sigma | 2.0 -2 | 1.1 1 | | Absolute | Crystal Spec | 356 | PR 99 610 | Jul55 | MTR | Joki,E.G.+ |
| K | Sigma | 2.3 6 | 2.8 6 | | Absolute | Accelerator | 14 | BAP 2 232 | Apr57 | TEX | Bennett. |
| K | Sigma | 2.0 3 | 3.2 5 | | Absolute | Accelerator | 379 | NEWSON 58 | 58 | DKE | Newson. |
| K | Sigma | 8.0 3 | 1.3 5 | | Absolute | Accelerator | 248 | BILPUCH 59H | Aug59 | DKE | Bilpuch. |
| K | Sigma | 9.0 5 | 2.1 6 | | Absolute | Accelerator | 187 | JOHNSON 61J | Oct61 | LOK | Johnson. |
| K | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| K | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| K | Sigma | 8.6 6 | 1.2 7 | | Absolute | Accelerator | 4 | JOHNSON 62E | May62 | LOK | Johnson. |
| K | Sigma | 4.2 6 | 6.1 6 | | Absolute | PlasticScint* | 65 | NP 62 165 | Feb65 | HAM | Stuewer,D.+ |
| K | Sigma | 2.0 6 | 3.8 6 | | Absolute | TimeOfFlight | 14 | NP 72 515 | Oct65 | ALD | Towle,J.H.+ |
| K | Sigma | 1.5 6 | 3.8 6 | | H(n,n) | TimeOfFlight | 4 | NP 72 515 | Oct65 | ALD | Towle,J.H.+ |
| K | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 246 | FOSTER 67E | May67 | BNW | Foster. |
| K | Sigma | 2.4 6 | 1.6 7 | | Absolute | Accelerator | 7 | NSE 28 293 | May67 | NDL | Bacon,E.G.+ |
| K | Sigma | 1.8 6 | 8.3 6 | | Absolute | Accelerator | 196 | PR 163 1077 | Nov67 | KTY | Reber,J.D.+ |
| K | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint* | 1 | NSE 31 341 | Feb68 | TRI | Guarrini,P.+ |
| K | Sigma | 3.6 5 | 3.2 7 | | Absolute | TimeOfFlight* | 6178 | KFK-1000 S2 | Feb69 | KFK | Cierjacks,S.+ |
| K | Sigma | 1.5 7 | 1.5 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| K | Sigma | 5.1 6 | 8.6 6 | | Absolute | TimeOfFlight* | 141 | ZAGO 71L | Dec71 | PAD | Pasoli,U.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| K | Resonance Energy | 1.1 3 | 1.4 5 | | | | 50 | 65ANTWRP- 74 | Jul65 | COL | Garg,J.B.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| K | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 1 | YF 4 1154 | Dec66 | FEI | Salnikov,O.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| K39 | Spectrum | 2.5 -2 | 2.5 -2 | | Norm To Abs | Ge(Li)Detect | 42 | ZFK/PHA- 24 | Jan67 | ROS | Rudolf,W. |
| | γ,EMISSION | | | | | | | | | | |
| K39 | Sigma | 3.4 6 | 4.0 6 | | Iron | | 2 | PR 166 1074 | Feb68 | KTY | Nichols. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ELASTIC SCATTERING | | | | | | | | | | | |
| K39 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | | 15 | 66LYON-139 | Jan66 | BOR | Roturier,J.+ |
| | INEL SCATTERING | | | | | | | | | | | |
| K39 | Sigma | 3.8 6 | 3.8 6 | | H(n,n) | Diff Sig Int | | 1 | NP 72 515 | Oct65 | ALD | Towle,J.H.+ |
| K39 | Sigma | 3.8 6 | 3.8 6 | | H(n,n) | TimeOfFlight | | 3 | NP 72 515 | Oct65 | ALD | Towle,J.H.+ |
| K39 | Ang Distrib | 3.8 6 | 3.8 6 | | H(n,n) | TimeOfFlight | | 42 | NP 72 515 | Oct65 | ALD | Towle,J.H.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| K39 | Sigma | 2.5 6 | 3.9 6 | | | CrystalScint | | 69 | AP 12 485 | 61 | LAS | Lind. |
| K39 | Sigma | 2.6 6 | 4.0 6 | | Iron | | | 8 | PR 166 1074 | Feb68 | KTY | Nichols. |
| | MISC SCATT QUANT | | | | | | | | | | | |
| K39 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| K39 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| | (n,2n) REACTION | | | | | | | | | | | |
| K39 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| K39 | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}$(n,2n) | Activation | | 1 | BAP 3 365 | Nov58 | ANL | Rayburn. |
| K39 | Sigma | 1.4 7 | 1.4 7 | | | Activation | | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| K39 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| K39 | Sigma | 1.4 7 | 2.3 7 | | Absolute | Activation | | 11 | EANDC/E- 57 | 1 Feb65 | FRK | Bass,R.+ |
| K39 | Sigma | 1.5 7 | 1.9 7 | | σ(E≠E(th)) | Activation * | | 6 | NP 63 438 | Mar65 | HAM | Bormann,M.+ |
| K39 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Activation * | | 1 | NP 63 438 | Mar65 | HAM | Bormann,M.+ |
| K39 | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | NP 66 419 | May65 | GER | Peil,A.+ |
| K39 | Sigma | 1.4 7 | 1.7 7 | | Copper | Coincidences | | 8 | ARNOLD 65 | Nov65 | GEO | Arnold. |
| K39 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| K39 | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation * | | 1 | OAW 176 311 | 68 | IRK | Schlaeffer,W.+ |
| K39 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| K39 | Sigma | 1.3 7 | 1.5 7 | | $Pr^{141}$ | Activation * | | 6 | AHP 24 93 | Apr68 | DEB | Peto,G.+ |
| K39 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | | 1 | OAW 176 305 | Jun68 | IRK | Sacher,R.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| K39 | Sigma | 2.6 6 | 2.6 6 | | Absolute | Coincidences* | | 1 | ZN A 13 826 | Aug58 | HAM | Lindstroem,G.+ |
| K39 | Sigma | 1.4 7 | 1.4 7 | | $I^{127}$ | CrystalScint* | | 1 | ZN A 15 200 | Mar60 | HAM | Bormann,M.+ |
| K39 | Sigma | 2.5 6 | 2.5 6 | | Absolute | CrystalScint | | 1 | NP 24 456 | May61 | CAN | Dixon,W.R.+ |
| K39 | Sigma | 1.5 6 | 8.7 6 | | | CrystalScint | | 428 | NP 28 478 | Nov61 | RIC | Bass. |
| K39 | Sigma | 4.0 6 | 1.4 7 | | | CrystalScint | | 43 | NP 56 569 | Aug64 | FRK | Bass,R.+ |
| K39 | Sigma | 2.5 6 | 2.5 6 | | Absolute | Assoc Part * | | 1 | NP A 94 617 | Mar67 | NZW | Johnson,P.B.+ |
| K39 | σ(Compound) | 4.0 6 | 8.0 6 | | Absolute | Crystal Spec | | 9 | NP 56 569 | Aug64 | GER | Bass,R.+ |
| | (n,d) REACTION | | | | | | | | | | | |
| K39 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | | 23 | NP A106 401 | Dec67 | RBZ | Ilakovac. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| K39 | Sigma | 2.6 6 | 2.6 6 | | Absolute | Coincidences* | | 1 | ZN A 13 826 | Aug58 | HAM | Lindstroem,G.+ |
| K39 | Sigma | 1.4 7 | 1.4 7 | | $I^{127}$ | CrystalScint* | | 1 | ZN A 15 200 | Mar60 | HAM | Bormann,M.+ |
| K39 | Sigma | 2.5 6 | 2.5 6 | | Absolute | CrystalScint | | 1 | NP 24 456 | May61 | CAN | Dixon,W.R.+ |
| K39 | Sigma | 2.3 6 | 3.8 6 | | | CrystalScint | | 30 | NP 28 478 | Nov61 | RIC | Bass. |
| K39 | Sigma | 1.3 7 | 2.0 7 | | | CrystalScint* | | 5 | ZN A 17 479 | Mar62 | HAM | Bormann,M. |
| K39 | Sigma | 4.0 6 | 1.4 7 | | | CrystalScint | | 23 | NP 56 569 | Aug64 | FRK | Bass,R.+ |
| K39 | Sigma | 2.5 -2 | 2.5 -2 | | | Nuc Emulsion | | 1 | APP 28 763 | Dec65 | KRK | Benisz,J.+ |
| K39 | Sigma | 2.5 6 | 2.5 6 | | Absolute | Assoc Part * | | 1 | NP A 94 617 | Mar67 | NZW | Johnson,P.B.+ |
| K39 | σ(Compound) | 4.0 6 | 8.0 6 | | Absolute | Crystal Spec | | 13 | NP 56 569 | Aug64 | GER | Bass,R.+ |
| | (n,n alpha) REACT | | | | | | | | | | | |
| K39 | Sigma | 1.3 7 | 2.0 7 | | | CrystalScint* | | 5 | ZP 166 477 | Feb62 | HAM | Bormann,M.+ |
| | (n,2 alpha) REACT | | | | | | | | | | | |
| K39 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | | 1 | OAW 175 145 | Mar66 | IRK | Hille,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| K39 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| K39 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| K39 | Sigma | 8.2 3 | 9.9 3 | S | Absolute | TimeOfFlight | | 16 | ORNL-2302 20 | Jun57 | ORL | Neiler. |
| | TOTAL WIDTH | | | | | | | | | | | |
| K39 | Γ | 4.3 4 | 6.8 4 | | | | | 3 | PR 99 620 | Jul55 | DKE | Toller. |
| K39 | Γ | 3.4 3 | 9.2 3 | | | | | 2 | PR 109 926 | Feb58 | ORL | Good. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| K39 | Resonance Energy | 1.0 4 | 1.1 5 | | | | | 5 | PR 99 620 | Jul55 | DKE | Toller. |
| | (n,p) REACTION | | | | | | | | | | | |
| K40 | Sigma | 2.5 -2 | 2.5 -2 | | Another Reac | | | 1 | PR 165 1184 | Jan68 | BNL | Schroder. |
| K40 | Sigma | 2.5 -2 | 2.5 -2 | | Nitrogen | | | 1 | PR 165 1184 | Jan68 | BNL | Schroder. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| K40 | Sigma | 2.5 -2 | 2.5 -2 | | Another Reac | | | 1 | PR 165 1184 | Jan68 | BNL | Schroder. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| K40 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| K40 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | (n,γ) REACTION | | | | | | | | | | | |
| K41 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| K41 | Sigma | 2.4 4 | 2.4 4 | | | Activation | | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| K41 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| K41 | Sigma | 2.0 4 | 2.0 4 | | $I^{127}$ | Activation | | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| K41 | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| K41 | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| K41 | Sigma | 1.6 5 | 2.5 6 | | $U^{235}$(n,f) | Activation | | 19 | JNE 22 267 | May68 | ANL | Stupegia. |
| K41 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | |
| K41 | Reson Integral | 6.8 -1 | 6.8 -1 | | Au(n,γ) | Activation | 1 | EANDC/E- 66 39 | Feb66 | MUN | Schmelz,H.+ |
| K41 | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | INEL SCATTERING | | | | | | | | | | |
| K41 | Sigma | 1.5 6 | 3.8 6 | | H(n,n) | TimeOfFlight | 4 | NP 72 515 | Oct65 | ALD | Towle,J.H.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| K41 | Sigma | 1.8 6 | 4.0 6 | | Iron | | 5 | PR 166 1074 | Feb68 | KTY | Nichols. |
| | (n,p) REACTION | | | | | | | | | | |
| K41 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| K41 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| K41 | Sigma | 3.8 6 | 7.9 6 | | Absolute | Activation | 5 | EANDC/E- 57 1 | Feb65 | PRK | Bass,R.+ |
| K41 | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | ZN A 20 1583 | Mar65 | GER | Lagerwall.+ |
| K41 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| K41 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| K41 | Sigma | 2.0 6 | 2.0 6 | | | Activation | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| K41 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| K41 | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation * | 8 | NP A130 195 | Jun69 | HAM | Bormann,M.+ |
| | (n,2p) REACTION | | | | | | | | | | |
| K41 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,He$^3$) REACTION | | | | | | | | | | |
| K41 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| K41 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | |
| K41 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| K41 | Sigma | 1.4 7 | 1.4 7 | | $I^{127}$ | Activation * | 1 | ZN A 15 200 | Mar60 | HAM | Bormann,M.+ |
| K41 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| K41 | Sigma | 4.9 6 | 7.9 6 | | Absolute | Activation | 4 | EANDC/E- 57 1 | Feb65 | PRK | Bass,R.+ |
| K41 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 66 419 | May65 | GER | Peil,A.+ |
| K41 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| K41 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| K41 | Sigma | 2.0 6 | 2.0 6 | | | Activation | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| K41 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| K41 | Sigma | 1.0 6 | 1.0 6 | | Al(n,alpha) | Activation * | 1 | RCA 9 47 | May68 | KJL | Johansen,O.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| K41 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| K41 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| K41 | Sigma | 4.8 3 | 1.9 4 | | Absolute | TimeOfFlight | 35 | PR 109 926 | Feb58 | ORL | Good. |
| | TOTAL WIDTH | | | | | | | | | | |
| K41 | Γ | 3.9 4 | 3.9 4 | | | | 1 | PR 99 620 | Jul55 | DKE | Toller. |
| K41 | Γ | 5.4 3 | 1.6 4 | | | | 2 | PR 109 926 | Feb58 | ORL | Good. |
| | OTHER RESON PARAM | | | | | | | | | | |
| K41 | Resonance Energy | 1.0 4 | 1.1 5 | | | | 5 | PR 99 620 | Jul55 | DKE | Toller. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ca | Sigma | 2.5 4 | 8.3 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Ca | Sigma | 4.0 5 | 4.0 5 | | $U^{235}$(n,f) | Scint Tank | 1 | PR 120 556 | Oct60 | LAS | Diven. |
| Ca | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Ca | Sigma | 2.5 -2 | 2.5 -2 | | | Moxon-Rae C | 1 | BAP 11 909 | Dec66 | LRL | Cranston,F.P.+ |
| | γ,EMISSION | | | | | | | | | | |
| Ca | Ang Distrib | 1.4 7 | 1.4 7 | | Carbon | γ-Spectromet | 7 | NSE 8 173 | Sep60 | SOC | Caldwell. |
| Ca | Ang Distrib | 1.5 7 | 1.5 7 | | | CrystalScint | 7 | USNBDL- 861 | Jun65 | NRD | Thompson. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Ca | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | NP 15 155 | Feb60 | CR | Cross,W.G.+ |
| Ca | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Ca | Sigma | 3.1 6 | 3.1 6 | | | Diff Sig Int | 1 | SPN- 224 | 61 | CCP | Popov,V.I. |
| Ca | Sigma | 9.0 5 | 9.0 5 | | | Diff Sig Int | 1 | AE 12 46 | Jan62 | CCP | Lovchikova. |
| Ca | Sigma | 3.7 6 | 3.7 6 | | | Diff Sig Int | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Ca | Sigma | 2.1 6 | 7.9 6 | | H(n,n) | Liquid Scint | 6 | PR 163 1077 | Nov67 | KTY | Reber,J.D.+ |
| Ca | Sigma | 6.1 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 3 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Ca | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 1 | PR 99 621 | Jul55 | WES | Weddell,J.B.+ |
| Ca | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 1 | PR 104 1069 | Nov56 | WES | Weddell. |
| Ca | Ang Distrib | 1.5 7 | 1.5 7 | | | Biased Scint | 22 | NP 15 155 | Feb60 | CR | Cross,W.G.+ |
| Ca | Ang Distrib | 4.1 6 | 4.1 6 | | H(n,n) | Biased Scint | 16 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Ca | Ang Distrib | 1.0 6 | 6.0 6 | | σ(Tot-React) | Biased Scint | 44 | SIMMONS 61 | 61 | LAS | Simmons. |
| Ca | Ang Distrib | 3.1 6 | 3.1 6 | | | Ion Chamber | 10 | SPN- 224 | 61 | CCP | Popov,V.I. |
| Ca | Ang Distrib | 9.0 5 | 9.0 5 | | | Ring Geomtry | 5 | AE 12 46 | Jan62 | CCP | Lovchikova. |
| Ca | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 21 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Ca | Ang Distrib | 3.2 6 | 3.2 6 | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| Ca | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 20 | PR 144 854 | Apr66 | OHO | Frasca,A.J.+ |
| Ca | Ang Distrib | 2.1 6 | 7.9 6 | | H(n,n) | Liquid Scint | 93 | PR 163 1077 | Nov67 | KTY | Reber,J.D.+ |
| Ca | Ang Distrib | 6.1 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 59 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Ca | Legendre Fit | 2.1 6 | 7.9 6 | | H(n,n) | Liquid Scint | 47 | PR 163 1077 | Nov67 | KTY | Reber,J.D.+ |
| Ca | Legendre Fit | 6.1 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 27 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Ca | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 52 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Ca | Sigma | 3.9 6 | 3.9 6 | | Absolute | 4Pi*σ(90°) | 6 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ca | Sigma | 3.9 6 | 3.9 6 | N | | 4Pi*σ(90°) | 7 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ca | Ang Distrib | 3.9 6 | 3.9 6 | | | Ring Geomtry | 7 | PR 102 767 | May56 | LAS | Day,R.B. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Ca | Sigma | 3.0 4 | 1.8 6 | | Carbon | Diff Sig Int | 24 | AP 12 135 | Feb61 | ANL | Lane. |
| Ca | Ang Distrib | 3.0 4 | 6.9 8 | | Carbon | ModeratrTank | 192 | AP 12 135 | Feb61 | ANL | Lane. |
| Ca | Legendre Fit | 3.0 4 | 1.8 6 | | Carbon | ModeratrTank | 166 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ca | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ca | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Ca | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Ca | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ca | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ca | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ca | Scatt Amplitude | 7.3 -2 | 7.3 -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Ca | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| | (n,t) REACTION | | | | | | | | | | |
| Ca | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | 66BOMBAY- 60 | Feb66 | TAT | Tiwari,P.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ca | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Ca | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Flerov. |
| Ca | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Ca | Sigma | 7.0 6 | 7.0 6 | | Absolute | Shell Trans | 1 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Ca | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Ca | Sigma | 3.7 6 | 3.7 6 | | | Total | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Ca | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight* | 8 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ca | Sigma | 2.5 4 | 5.2 5 | | Absolute | Accelerator | 69 | PR 75 1124 | Apr49 | WIS | Adair. |
| Ca | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Ca | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Ca | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 6 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Ca | Sigma | 4.0 5 | 1.3 6 | | Absolute | TimeOfFlight | 1341 | CRANBERG 58D | Apr58 | LAS | Thomson.+ |
| Ca | Sigma | 1.2 4 | 1.9 5 | S | Absolute | Accelerator | 109 | BAP 3 164 | May58 | DKE | Bilpuch. |
| Ca | Sigma | 1.0 6 | 6.0 6 | | Absolute | TimeOfFlight | 10 | BAP 3 336 | Aug58 | LAS | Cranberg,L.+ |
| Ca | Sigma | 4.1 6 | 4.1 6 | | | TimeOfFlight | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Ca | Sigma | 1.8 7 | 2.8 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Ca | Sigma | 1.1 4 | 1.0 5 | | Absolute | Accelerator | 102 | AP 14 365 | 61 | DKE | Newson. |
| Ca | Sigma | 2.2 5 | 1.0 6 | | Absolute | Accelerator | 154 | PR 121 1150 | Feb61 | DKE | Wilenzick. |
| Ca | Sigma | 1.3 6 | 2.1 6 | | Absolute | Accelerator | 18 | JOHNSON 61J | Oct61 | LOK | Johnson. |
| Ca | Sigma | 1.3 5 | 6.8 5 | | Absolute | Accelerator | 1055 | AP 17 319 | 62 | DKE | Bowman. |
| Ca | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Ca | Sigma | 8.6 6 | 1.2 7 | | Absolute | Accelerator | 4 | JOHNSON 62E | May62 | LOK | Johnson. |
| Ca | Sigma | 8.5 6 | 1.4 7 | | Absolute | Accelerator | 61 | NP 59 583 | Nov64 | HAR | Manero,F.+ |
| Ca | Sigma | 4.2 6 | 6.2 6 | | Absolute | PlasticScint* | 65 | NP 62 165 | Feb65 | HAM | Stuewer,D.+ |
| Ca | Sigma | 2.0 6 | 1.0 7 | | Absolute | TimeOfFlight | 347 | COO/1573- 6 | Sep66 | CSE | Shrader,E.F.+ |
| Ca | Sigma | 1.4 6 | 8.6 6 | | | | 282 | ZAGO 66J | Oct66 | PAD | Zago,G. |
| Ca | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 244 | POSTER 67E | May67 | BNW | Foster. |
| Ca | Sigma | 2.4 6 | 1.6 7 | | Absolute | Accelerator | 7 | NSE 28 293 | May67 | NDL | Bacon,E.G.+ |
| Ca | Sigma | 1.8 6 | 8.3 6 | | Absolute | Accelerator | 208 | PR 163 1077 | Nov67 | KTY | Reber,J.D.+ |
| Ca | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint* | 1 | NSE 31 341 | Feb68 | TRI | Guarrini,F.+ |
| Ca | Sigma | 5.2 5 | 5.5 6 | | Absolute | TimeOfFlight | 2790 | SCHWARTZ 68C | Mar68 | NBS | Schwartz. |
| Ca | Sigma | 5.0 5 | 3.2 7 | | Absolute | TimeOfFlight* | 5113 | KFK-1000 | Jun68 | KFK | Cierjacks,S.+ |
| Ca | Sigma | 1.5 7 | 1.5 7 | | Absolute | Transmission* | 1 | AHF 28 87 A | Mar70 | DEB | Angeli,I.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | |
| Ca | Sigma | 4.8 5 | 2.0 7 | | Absolute | TimeOfFlight* | 3536 | HEATON 71F | Jun71 | NBS | Schwartz,R.B.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Ca | Resonance Energy | 1.0 5 | 1.0 5 | | | | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Ca | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 1 | YF 4 1154 | Dec66 | FEI | Salnikov,O.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| Ca*0 | Sigma | 1.4 7 | 1.4 7 | | | | 1 | NIJS/P- 213 | Jan68 | POL | |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Ca*0 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | NP 59 321 | Oct64 | CAN | Mcdonald. |
| Ca*0 | Ang Distrib | 2.8 6 | 2.8 6 | | Absolute | Nuc Emulsion | 6 | ZP 200 487 | Mar67 | RBZ | Winterhalter,D. |
| Ca*0 | Ang Distrib | 5.5 5 | 2.0 6 | | Carbon | TimeOfFlight* | 4104 | NP A154 36 | Sep70 | KPK | Kirouac,G.J.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Ca*0 | Ang Distrib | 1.4 7 | 1.4 7 | | Another Reac | TimeOfFlight | 1 | NP 59 321 | Oct64 | CAN | Mcdonald. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Ca*0 | Sigma | 3.9 6 | 3.9 6 | | Absolute | 4Pi*σ(90°) | 7 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ca*0 | Sigma | 3.9 6 | 3.9 6 | N | | 4Pi*σ(90°) | 6 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ca*0 | Sigma | 3.5 6 | 6.0 6 | | H(n,n) | Ring Geomtry | 50 | EANDC/E- 66 64 | Feb66 | FRK | Bass,R.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ca*0 | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ca*0 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ca*0 | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ca*0 | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Ca*0 | Sigma | 1.6 7 | 1.8 7 | | Copper | Coincidences | 7 | ARNOLD 65 | Nov65 | GEO | Arnold. |
| | (n,p) REACTION | | | | | | | | | | |
| Ca*0 | Sigma | 5.9 6 | 5.9 6 | | | Nuc Emulsion | 1 | HPA 34 954 | Dec61 | NEU | Urech,S.+ |
| Ca*0 | Sigma | 2.8 6 | 6.0 6 | | H(n,n) | Coincidences | 99 | EANDC/E- 66 64 | Feb66 | FRK | Bass,R.+ |
| Ca*0 | Sigma | 2.0 6 | 6.0 6 | | H(n,n) | CrystalScint | 64 | EANDC/E- 66 64 | Feb66 | FRK | Bass,R.+ |
| Ca*0 | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| Ca*0 | σ(Compound) | 1.4 7 | 1.4 7 | C | Absolute | Nuc Emulsion | 1 | NP A111 184 | Apr68 | KYU | Katase,A.+ |
| Ca*0 | σ(Direct) | 1.4 7 | 1.4 7 | C | Absolute | Nuc Emulsion | 1 | NP A111 184 | Apr68 | KYU | Katase,A.+ |
| Ca*0 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Nuc Emulsion | 48 | NP A111 184 | Apr68 | KYU | Katase,A.+ |
| Ca*0 | Ang Distr Direct | 1.4 7 | 1.4 7 | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| Ca*0 | •(θ,E)-Distrib | 1.4 7 | 1.4 7 | | | * | 32 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,np) REACTION | | | | | | | | | | |
| Ca*0 | Sigma | 1.4 7 | 1.4 7 | | Ratio | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| Ca*0 | Sigma | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| Ca*0 | Sigma | 1.4 7 | 1.4 7 | C | Absolute | Nuc Emulsion | 1 | NP A111 184 | Apr68 | KYU | Katase,A.+ |
| | p-EMISSION | | | | | | | | | | |
| Ca*0 | Ang Distrib | 1.4 7 | 1.4 7 | | | | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| Ca*0 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Nuc Emulsion | 32 | NP A111 184 | Apr68 | KYU | Katase,A.+ |
| | (n,t) REACTION | | | | | | | | | | |
| Ca*0 | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | CJC 39 684 | 61 | CAN | Baerg. |
| Ca*0 | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | NP 32 106 | Apr62 | CBR | Weigold,E.+ |
| Ca*0 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| Ca*0 | Sigma | 1.5 7 | 2.0 7 | | H(n,n) | Activation * | 7 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| Ca*0 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NC B 44 460 | Aug66 | TUR | Minetti,B.+ |
| Ca*0 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| Ca*0 | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | OAW 176 305 | Jun68 | IRK | Sacher,R.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| Ca*0 | Sigma | 2.5 -2 | 2.5 -2 | | $Li^6$(n,a) | Nuc Emulsion | 1 | ZP 153 106 | 58 | GER | Munnich. |
| Ca*0 | Sigma | 2.5 -2 | 2.5 -2 | N | $Li^6$(n,a) | Nuc Emulsion | 1 | ZP 153 106 | 58 | GER | Munnich. |
| Ca*0 | Sigma | 5.9 6 | 5.9 6 | | | Nuc Emulsion | 1 | HPA 34 954 | Dec61 | NEU | Urech,S.+ |
| Ca*0 | Sigma | 3.7 6 | 5.5 6 | | | Activation | 13 | EANDC/E- 57 1 | Feb65 | FRK | Bass,R.+ |
| Ca*0 | Sigma | 2.0 6 | 4.9 6 | | H(n,n) | CrystalScint | 29 | EANDC/E- 66 64 | Feb66 | FRK | Bass,R.+ |
| Ca*0 | Sigma | 6.0 6 | 6.0 6 | | | Count Telesc | 2 | HPA 39 376 | Jul66 | NEU | Knellwolf,T.+ |
| Ca*0 | Ang Distrib | 3.6 6 | 5.1 6 | | Arb Units | Solidstate C | 25 | PL 5 265 | Jul63 | CAT | Cavallaro,S.+ |
| Ca*0 | Ang Distrib | 4.1 6 | 6.0 6 | | | Count Telesc | 4 | HPA 37 222 | May64 | NEU | Joseph,C.+ |
| Ca*0 | Ang Distrib | 4.0 6 | 4.5 6 | | Absolute | Solidstate C | 17 | 64PARIS/II- 724 | Jul64 | CAT | Calvi,G.+ |
| Ca*0 | Ang Distrib | 6.0 6 | 6.0 6 | | | Count Telesc | 12 | HPA 38 665 | Nov65 | NEU | Knellwolf,T.+ |
| Ca*0 | Ang Distrib | 5.1 6 | 5.1 6 | | Ratio | Solidstate C | 13 | ABASCHI 67F | Jun67 | PR | Abaschi,H. |
| | (n,n alpha) REACT | | | | | | | | | | |
| Ca*0 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| Ca*0 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | CrystalScint | 3 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| | alpha-EMISSION | | | | | | | | | | |
| Ca*0 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| Ca*0 | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | CrystalScint | 15 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| Ca*0 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | CrystalScint | 6 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| | CHARGED PART EMISS | | | | | | | | | | |
| Ca*0 | Cosine Fit | 3.6 6 | 3.6 6 | | Arb Units | Solidstate C | 2 | PL 5 265 | Jul63 | CAT | Cavallaro,S.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ca*0 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| Ca*0 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ca*0 | Sigma | 2.8 6 | 2.8 6 | | Absolute | Nuc Emulsion | 1 | ZP 200 487 | Mar67 | RBZ | Winterhalter,D. |
| Ca*0 | Sigma | 2.3 6 | 2.7 6 | | Absolute | TimeOfFlight | 33 | FOSTER 67E | May67 | BNW | Foster. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | | | |
| $Ca^{40}$ | Γ(n) | 8.8 | 4 | 2.5 | 5 | | | | | 6 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Ca^{40}$ | Γ(n) | 2.5 | 5 | 5.9 | 5 | | | AreaAnalysis | | 7 | PR 121 1150 | Feb61 | DKE | Wilenzick. |
| $Ca^{40}$ | Γ(n) | 2.5 | 5 | 5.9 | 5 | | | MultiLvl Fit | | 7 | PR 121 1150 | Feb61 | DKE | Wilenzick. |
| $Ca^{40}$ | Γ(n,l=0) | 8.8 | 4 | 2.5 | 5 | | | | | 6 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Ca^{40}$ | Γ(n,l=0) | 2.5 | 5 | 5.9 | 5 | | | MultiLvl Fit | | 7 | PR 121 1150 | Feb61 | DKE | Wilenzick. |
| $Ca^{40}$ | Γ(n,l=0) | 2.2 | 5 | 6.8 | 5 | | | MultiLvl Fit | | 10 | AP 17 319 | 62 | DKE | Bowman. |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Ca^{40}$ | Γ | 1.5 | 5 | 6.7 | 5 | | | MultiLvl Fit | | 96 | AP 17 319 | 62 | DKE | Bowman. |
| $Ca^{40}$ | Γ | 2.2 | 5 | 6.8 | 5 | | | MultiLvl Fit | | 10 | AP 17 319 | Mar62 | DKE | Bowman. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Ca^{40}$ | Resonance Energy | 5.6 | 5 | 1.5 | 6 | | | Shape Analys* | | 87 | NP A154 36 | Sep70 | KPK | Kirouac,G.J.+ |
| $Ca^{40}$ | Spin of Reson | 5.6 | 5 | 1.5 | 6 | | | Shape Analys* | | 62 | NP A154 36 | Sep70 | KPK | Kirouac,G.J.+ |
| $Ca^{40}$ | n-Orbit Ang Mom | 5.6 | 5 | 1.5 | 6 | | | Shape Analys* | | 71 | NP A154 36 | Sep70 | KPK | Kirouac,G.J.+ |
| $Ca^{40}$ | Parity | 5.6 | 5 | 1.5 | 6 | | | Shape Analys* | | 62 | NP A154 36 | Sep70 | KPK | Kirouac,G.J.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | | |
| $Ca^{41}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Ca^{42}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | OSA 98 200 | Nov61 | IRK | Hille,P. |
| $Ca^{42}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | Al(n,alpha) | Activation | * | 1 | ACJ 16 2100 | Jan63 | KTH | Forberg,S. |
| $Ca^{42}$ | Sigma | 1.5 | 7 | 1.5 | 7 | S | Copper | Activation | | 1 | PHY 31 1091 | Jan65 | NED | Nagel,W.+ |
| $Ca^{42}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | NC B 44 460 | Aug66 | TUR | Minetti,B.+ |
| $Ca^{42}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Ca^{42}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | * | 1 | NP A 91 222 | Jan67 | DEB | Csikai,J.+ |
| $Ca^{42}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Ca^{43}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | Al(n,alpha) | Activation | * | 1 | ACJ 16 2100 | Jan63 | KTH | Forberg,S. |
| $Ca^{43}$ | Sigma | 1.5 | 7 | 1.5 | 7 | S | Copper | Activation | | 1 | PHY 31 1091 | Jan65 | NED | Nagel,W.+ |
| $Ca^{43}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | NC B 44 460 | Aug66 | TUR | Minetti,B.+ |
| $Ca^{43}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Ca^{43}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | * | 1 | NP A 91 222 | Jan67 | DEB | Csikai,J.+ |
| $Ca^{43}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| | (n,d) REACTION | | | | | | | | | | | | | |
| $Ca^{43}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| | n-WIDTH | | | | | | | | | | | | | |
| $Ca^{43}$ | Γ(n) | 4.4 | 3 | 3.6 | 4 | | | MultiLvl Fit | | 11 | GOOD 64 | 64 | ORL | Good. |
| $Ca^{43}$ | 2gΓ(n) | 1.5 | 3 | 1.5 | 3 | | | MultiLvl Fit | | 1 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| $Ca^{43}$ | 2gΓ(n) | 1.5 | 3 | 1.5 | 3 | | | MultiLvl Fit | | 1 | COTE 63 | 63 | ANL | Cote. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Ca^{43}$ | Resonance Energy | 6.8 | 3 | 6.8 | 3 | | | MultiLvl Fit | | 1 | GOOD 64 | 64 | ORL | Good. |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Ca^{44}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Ion Chamber | | 1 | 55CLEVE-203 | Dec55 | ORL | Brooksbank. |
| | MISC SCATT QUANT | | | | | | | | | | | | | |
| $Ca^{44}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ca^{44}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Ca^{44}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | OSA 98 200 | Nov61 | IRK | Hille,P. |
| $Ca^{44}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | NP 69 153 | Jul65 | IND | Khurana,C.S.+ |
| $Ca^{44}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | NC B 44 460 | Aug66 | TUR | Minetti,B.+ |
| $Ca^{44}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | * | 1 | NP A 91 222 | Jan67 | DEB | Csikai,J.+ |
| $Ca^{44}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| | (n,d) REACTION | | | | | | | | | | | | | |
| $Ca^{44}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Ca^{44}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | OSA 98 200 | Nov61 | IRK | Hille,P. |
| $Ca^{44}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | NP 66 419 | May65 | GER | Peil,A.+ |
| $Ca^{44}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | NP 69 153 | Jul65 | IND | Khurana,C.S.+ |
| $Ca^{44}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | NC B 44 460 | Aug66 | TUR | Minetti,B.+ |
| $Ca^{44}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |
| | n-WIDTH | | | | | | | | | | | | | |
| $Ca^{44}$ | Γ(n) | 2.2 | 4 | 2.5 | 5 | | | | | 7 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Ca^{44}$ | Γ(n,l=0) | 2.2 | 4 | 8.2 | 4 | | | | | 3 | AP 14 387 | 61 | DKE | Bilpuch. |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Ca^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,p) | Activation | * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| | (n,2n) REACTION | | | | | | | | | | | | | |
| $Ca^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | OSA 98 200 | Nov61 | IRK | Hille,P. |
| $Ca^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | NC B 44 460 | Aug66 | TUR | Minetti,B.+ |
| $Ca^{48}$ | Sigma | 1.3 | 7 | 1.3 | 7 | | Al(n,alpha) | Activation | * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Ca^{48}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 1 | PR 167 1091 | Mar68 | TAT | Tiwari. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Sc^{45}$ | Sigma | 2.0 4 | 2.0 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Sc^{45}$ | Sigma | 1.5 5 | 1.5 7 | | $U^{235}$(n,f) | Activation | 7 | JNE 17 349 | 63 | ALD | Perkin. |
| $Sc^{45}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | AC 36 1588 | Jul64 | ISP | Girardi. |
| $Sc^{45}$ | Sigma | 1.1 0 | 4.1 4 | | σ(Thermal) | Slowing-Down | 57 | YF 1 229 | Feb65 | LEB | Romanov,S.A.+ |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| $Sc^{45}$ | Reson Integral | 4.5 2 | 1.0 3 | | | Slowing-Down | 2 | YF 1 229 | Feb65 | CCP | Romanov,S.A.+ |
| $Sc^{45}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Ratio | Crystal Spec | 55 | NP 84 661 | Sep66 | MUN | Van Assche,P.+ |
| $Sc^{45}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Norm To Abs | Ge(Li)Detect | 26 | ZFK/PHA- 24 | Jan67 | ROS | Rudolf,W. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 2.0 5 | 1.4 6 | | Carbon | TimeOfFlight* | 64 | BARNARD 70K | Nov70 | PEL | Barnard,E.+ |
| $Sc^{45}$ | Legendre Fit | 2.0 5 | 1.4 6 | | *4Pi/Sigma | TimeOfFlight* | 256 | BARNARD 70K | Nov70 | PEL | Barnard,E.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Sc^{45}$ | Ang Distrib | 5.6 5 | 1.4 6 | | Carbon | TimeOfFlight* | 198 | BARNARD 70K | Nov70 | PEL | Barnard,E.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 1.6 6 | 1.6 6 | | | 4Pi*σ(90°) | 6 | AP 12 485 | 61 | LAS | Lind. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Sc^{45}$ | σ(Incoherent) | 2.5 -2 | 2.5 -2 | | | Total | 1 | PPS 68 104 | 55 | HAR | Pattenden. |
| $Sc^{45}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Total | 1 | PPS 68 104 | 55 | HAR | Pattenden. |
| $Sc^{45}$ | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | Total | 1 | PPS 68 104 | 55 | HAR | Pattenden. |
| $Sc^{45}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Total | 2 | PPS 68 104 | 55 | HAR | Pattenden. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Sc^{45}$ | Sigma | 1.4 7 | 1.4 7 | N | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 2 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Sc^{45}$ | Sigma | 1.2 7 | 2.0 7 | | $U^{238}$(n,f) | Activation | 33 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Sc^{45}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 2 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Sc^{45}$ | Sigma | 1.3 7 | 1.5 7 | | Absolute | γ-Spectromet | 7 | PERKIN 61L | Dec61 | ALD | Perkin. |
| $Sc^{45}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Sc^{45}$ | Sigma | 1.2 7 | 1.8 7 | | Copper | Coincidences | 27 | BAP 9 352 | Mar64 | GEO | Rayburn,L.A.+ |
| $Sc^{45}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 2 | 66BOMBAY- 60 | Feb66 | TAT | Tiwari,P.N.+ |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | Metast/Total | Activation * | 1 | NP A 94 476 | Mar67 | MUA | Rama Prasad,P.+ |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP A 94 476 | Mar67 | MUA | Rama Prasad,P.+ |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| | (n,p) REACTION | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 1.3 7 | 1.5 7 | | $U^{238}$(n,f) | Activation | 6 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation * | 1 | NP A 91 222 | Jan67 | DEB | Csikai,J.+ |
| $Sc^{45}$ | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | | * | 20 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,2p) REACTION | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | p-EMISSION | | | | | | | | | | |
| $Sc^{45}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | |
| $Sc^{45}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 1 | NP 46 73 | Jul63 | MIL | Colli,L.+ |
| | (n,$He^3$) REACTION | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Sc^{45}$ | Sigma | 8.0 6 | 2.0 7 | | $U^{238}$(n,f) | Activation | 11 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Sc^{45}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 2 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Sc^{45}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 2 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Sc^{45}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Sc^{45}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Sc^{45}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 89 657 | Feb53 | HAR | Lockett. |
| $Sc^{45}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | PR 89 657 | Feb53 | ORL | Lockett. |
| $Sc^{45}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PPS 68 104 | 55 | HAR | Pattenden. |
| | NONELASTIC SCATT | | | | | | | | | | |
| $Sc^{45}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight* | 10 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sc^{45}$ | Sigma | 7.8 -2 | 3.9 1 | | Absolute | Crystal Spec | 68 | PPS 68 104 | 55 | HAR | Pattenden. |
| $Sc^{45}$ | Sigma | 1.4 -3 | 5.4 3 | | Absolute | TimeOfFlight | 124 | PPS 68 104 | 55 | HAR | Pattenden. |
| $Sc^{45}$ | Sigma | 5.5 3 | 1.4 4 | | Absolute | Proportion C | 11 | PR 105 198 | Jan57 | DKE | Newson. |
| $Sc^{45}$ | Sigma | 2.0 3 | 1.1 5 | | Absolute | Accelerator | 131 | PR 106 110 | Apr57 | DKP | Marshak,H.+ |
| $Sc^{45}$ | Sigma | 2.9 3 | 1.3 4 | | Absolute | TimeOfFlight | 29 | PR 111 288 | Jul58 | ANL | Cote. |
| $Sc^{45}$ | Sigma | 3.1 3 | 8.0 3 | | | | 112 | BAP 4 42 | Jan59 | ORL | Miller. |
| $Sc^{45}$ | Sigma | 7.9 3 | 9.8 3 | | Absolute | TimeOfFlight | 14 | BAP 4 42 | Jan59 | ORL | Miller. |
| $Sc^{45}$ | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 236 | FOSTER 67E | May67 | BNW | Foster. |
| $Sc^{45}$ | Sigma | 2.0 5 | 1.4 6 | | Absolute | Transmission* | 524 | BARNARD 70K | Nov70 | PEL | Barnard,E.+ |
| $Sc^{45}$ | Sigma | 1.9 4 | 1.1 5 | C | | MultiLvl Fit* | 4350 | FROEHNER 72A | Jan72 | KFK | Froehner,F.H.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Sc^{45}$ | Γ(γ) | -1.3 2 | -1.3 2 | | | Shape Analys | 1 | PPS 68 104 | 55 | HAR | Pattenden. |
| | n-WIDTH | | | | | | | | | | |
| $Sc^{45}$ | 2gΓ(n) | 3.2 3 | 1.2 4 | | | AreaAnalysis | 6 | BAP 4 42 | Jan59 | ORL | Miller. |
| $Sc^{45}$ | 2gΓ(n) | 4.5 2 | 1.0 3 | | | Slowing-Down | 2 | YF 1 229 | Feb65 | LEB | Romanov,S.A.+ |
| $Sc^{45}$ | Γ(n,l=0) | -1.3 2 | -1.3 2 | | | Shape Analys | 1 | PPS 68 104 | 55 | HAR | Pattenden. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | | |
| $Sc^{45}$ | $2g\Gamma(n,l=0)$ | 3.2 | 3 | 3.2 | 3 | | AreaAnalysis | 1 | BAP | 4 | 42 | Jan59 | ORL | Miller. |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Sc^{45}$ | $\Gamma$ | 3.6 | 3 | 3.6 | 3 | | Shape Analys | 1 | PPS | 68 | 104 | 55 | HAR | Pattenden. |
| $Sc^{45}$ | $\Gamma$ | 4.1 | 3 | 4.1 | 3 | | | 2 | PR | 106 | 110 | Apr57 | DKE | Marshak,H.+ |
| $Sc^{45}$ | $\Gamma$ | 4.5 | 2 | 1.0 | 3 | | | 2 | BAP | 8 | 120 | 63 | YAL | |
| $Sc^{45}$ | $\Gamma^2\sigma(0)$ | 3.6 | 3 | 3.6 | 3 | | Shape Analys | 1 | PPS | 68 | 104 | 55 | HAR | Pattenden. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Sc^{45}$ | Resonance Energy | 3.4 | 3 | 6.8 | 3 | | TimeOfFlight | 2 | PR | 111 | 288 | Jul58 | ANL | Cote. |
| $Sc^{45}$ | Resonance Energy | 1.9 | 4 | 4.0 | 4 | | TimeOfFlight | 8 | BAP | 4 | 42 | Jan59 | ORL | Miller. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Sc^{45}$ | Strength Fn(l=0) | 3.4 | 3 | 3.4 | 3 | | TimeOfFlight | 1 | PR | 111 | 288 | Jul58 | ANL | Cote. |
| | $(n,\gamma)$ REACTION | | | | | | | | | | | | | |
| $Sc^{46}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Absolute | Burn-up | 1 | INDC-140 | | 21 | Jun66 | FTI | Kondurov,I.A.+ |
| $Sc^{46}$ | Sigma | 2.5 | -2 | 2.5 | -2 | $Co^{59}$ | Activation * | 1 | ARI | 19 | 593 | Jan68 | SGA | Bak,Z.T.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ti | Sigma | 2.4 4 | 8.3 5 | | Absolute | Shell Trans | 3 | AE 8 549 | 60 | CCP | Belanova. |
| Ti | Sigma | 1.7 5 | 1.0 6 | | U235(n,f) | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Ti | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Ti | Spectrum | 2.5 -2 | 2.5 -2 | | γ's /100neut | Ge(Li)Detect* | 38 | EANDC/J- 8 3 | Jan68 | JAE | Kawarasaki,Y.+ |
| | γ,EMISSION | | | | | | | | | | |
| Ti | Ang Distrib | 1.5 7 | 1.5 7 | | | CrystalScint | 9 | USNRDL- 861 | Jun65 | NRD | Thompson. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Ti | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ti | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Ti | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PR 115 999 | Aug59 | MON | Pierre,St. |
| Ti | Sigma | 9.0 5 | 9.0 5 | | | Diff Sig Int | 1 | AE 12 46 | Jan62 | CCP | Lovchikova. |
| Ti | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Ti | Sigma | 3.0 5 | 5.0 5 | | | Diff Sig Int | 2 | UPZ 11 563 | 66 | UKR | Korzh. |
| Ti | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ti | Ang Distrib | 1.0 6 | 1.0 6 | | | Ring Geomtry | 5 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| Ti | Ang Distrib | 4.1 6 | 4.1 6 | | | Biased Scint | 11 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Ti | Ang Distrib | 5.0 5 | 1.5 6 | | | Ring Geomtry | 3 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Ti | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 18 | PR 115 999 | Aug59 | MON | Pierre,St. |
| Ti | Ang Distrib | 9.0 5 | 9.0 5 | | | Ring Geomtry | 5 | AE 12 46 | Jan62 | CCP | Lovchikova. |
| Ti | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Ti | Ang Distrib | 3.0 5 | 5.0 5 | | | Threshold C | 16 | UPZ 11 563 | 66 | UKR | Korzh. |
| Ti | Ang Distrib | 2.9 6 | 2.9 6 | | Arb Units | TimeOfFlight | 8 | INDC-260 106 | Feb69 | UKR | Pasechnik. |
| Ti | Polarizat n-out | 4.0 5 | 1.0 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| Ti | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Ti | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Ti | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 44 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Ti | Ang Distrib | 2.9 6 | 2.9 6 | | Arb Units | TimeOfFlight | 8 | INDC-260 106 | Feb69 | UKR | Pasechnik. |
| Ti | Ang Distrib | 2.9 6 | 2.9 6 | | H(n,n) | TimeOfFlight | 1 | INDC-260 106 | Feb69 | UKR | Pasechnik. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Ti | Sigma | 1.1 6 | 3.2 6 | | | | 68 | INDSWG- 74 7 | Oct65 | OBN | Broder,D.L.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Ti | Sigma | 2.3 5 | 1.4 6 | | Carbon | Diff Sig Int | 16 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Ti | Sigma | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| Ti | Ang Distrib | 2.3 5 | 1.4 6 | | Carbon | ModeratrTank | 32 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ti | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ti | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Scattering | 1 | PR 83 379 | Jul51 | BNL | Weiss. |
| Ti | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| Ti | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ti | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ti | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Ring Geomtry | 2 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| Ti | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | NSE 11 298 | Nov61 | MTR | Joki,E.G.+ |
| Ti | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ti | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| | (n,p) REACTION | | | | | | | | | | |
| Ti | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| Ti | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Biased Scint | 1 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| | p-EMISSION | | | | | | | | | | |
| Ti | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 6 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | (n,alpha) REACTION | | | | | | | | | | |
| Ti | Sigma | 1.0 6 | 1.0 6 | | | Mass Spec * | 4 | WEITMAN 70J | Oct70 | AE | Weitman,J.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ti | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ti | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ti | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ti | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ti | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Ti | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ti | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Ti | Sigma | 4.0 6 | 4.0 6 | | | Shell Trans | 1 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Ti | Sigma | 4.5 6 | 4.5 6 | | Absolute | Shell Trans | 1 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Ti | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Ti | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 2 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Ti | Sigma | 1.0 6 | 7.0 6 | | Absolute | Shell Trans | 5 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Ti | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Ti | Sigma | 2.6 7 | 2.6 7 | | Absolute | Shell Trans | 1 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| Ti | Sigma | 1.4 7 | 1.4 7 | | | Total | 1 | PR 115 999 | Aug59 | MON | Pierre,St. |
| Ti | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 17 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ti | Sigma | 8.3 4 | 1.4 6 | | Absolute | Accelerator | 17 | PR 77 748 | Mar50 | WIS | Adair. |
| Ti | Sigma | 1.4 7 | 1.4 7 | | | Accelerator | 1 | PR 81 139 | Jan51 | CAR | Lasday. |
| Ti | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Ti | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Ti | Sigma | 1.2 -1 | 7.8 4 | | Absolute | TimeOfFlight | 102 | BOLLINGER 53 | 53 | ANL | Bollinger. |
| Ti | Sigma | 2.2 6 | 2.7 6 | | Absolute | Accelerator | 13 | PR 90 618 | May53 | TEX | Dvorak,H.R.+ |
| Ti | Sigma | 2.7 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Ti | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Ti | Sigma | 6.1 7 | 1.1 8 | | | Count Telesc | 12 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| Ti | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Ti | Sigma | 7.2 6 | 2.6 7 | S | Absolute | Biased Scint | 4 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Ti | Sigma | 2.8 3 | 2.4 4 | | Absolute | TimeOfFlight | 88 | PR 109 926 | Feb58 | ORL | Good. |
| Ti | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 6 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | |
| Ti | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 6 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Ti | Sigma | 1.4 7 | 1.4 7 | | | | 1 | PR 115 999 | Aug59 | MON | Pierre,St. |
| Ti | Sigma | 2.0 -3 | 2.9 -1 | | Absolute | TimeOfFlight | 93 | NSE 7 193 | Feb60 | MTR | Randolf,P.D.+ |
| Ti | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Ti | Sigma | 3.5 4 | 3.0 5 | | Absolute | Accelerator | 114 | AP 14 387 | 61 | DKE | Bilpuch. |
| Ti | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | NSE 11 298 | Nov61 | MTR | Joki,E.G.+ |
| Ti | Sigma | 2.5 -2 | 4.5 1 | | Absolute | Crystal Spec | 476 | NSE 11 298 | Nov61 | MTR | Joki,E.G.+ |
| Ti | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Ti | Sigma | 5.8 2 | 2.2 5 | | Absolute | TimeOfFlight | 3731 | BAP 8 334 | Apr63 | COL | Singh. |
| Ti | Sigma | 5.8 2 | 2.2 5 | P | Absolute | TimeOfFlight | 7904 | BAP 8 334 | Apr63 | COL | Singh. |
| Ti | Sigma | 1.0 5 | 6.5 5 | | Absolute | Accelerator | 271 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| Ti | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 250 | POSTER 67E | May67 | BNW | Poster. |
| Ti | Sigma | 4.5 6 | 7.9 6 | | Absolute | Accelerator | 168 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Ti | Sigma | 4.5 6 | 7.8 6 | S | Absolute | Accelerator | 167 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Ti | Sigma | 5.0 5 | 4.0 6 | | Absolute | TimeOfFlight* | 2648 | SCHWARTZ 69A | Jan69 | NBS | Schwartz,R.B. |
| Ti | Sigma | 1.5 5 | 4.0 6 | | Absolute | * | 1009 | CABE 69C | Mar69 | BRC | Adam,A.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Ti | Resonance Energy | 3.1 3 | 2.0 5 | | | TimeOfFlight | 61 | CR-1860 | 64 | COL | Garg. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Ti | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Ti | Nucl Temperature | 1.4 7 | 1.4 7 | | Absolute | Count Telesc | 1 | ZP 201 241 | Apr67 | GER | Emmerich,W.D.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Ti^{46}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ti^{46}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Ti^{46}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ti^{46}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| $Ti^{46}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ti^{46}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | BAP 3 365 | Nov58 | ANL | Rayburn. |
| $Ti^{46}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Ti^{46}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Ti^{46}$ | Sigma | 1.3 7 | 2.0 7 | | $U^{238}(n,f)$ | Activation | 10 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Ti^{46}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Ti^{46}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| $Ti^{46}$ | Sigma | 1.4 7 | 2.0 7 | | Absolute | Activation * | 7 | EANDC/E- 57 17 | Feb65 | HAM | Bormann,M.+ |
| $Ti^{46}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | 65ANTWRP-102 B | Jul65 | DEB | Csikai,J. |
| $Ti^{46}$ | Sigma | 1.4 7 | 2.0 7 | | Al(n,alpha) | Activation | 5 | CJP 44 2337 | Oct66 | TOR | Pai,H.L. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ti^{46}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Ti^{46}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{46}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | JNE 18 81 | Feb64 | RED | Koehler,D.R.+ |
| $Ti^{46}$ | Sigma | 1.0 6 | 1.0 6 | | $S^{32}(n,p)$ | Activation | 2 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| $Ti^{46}$ | Sigma | 1.3 7 | 1.7 7 | | Absolute | Activation * | 6 | EANDC/E- 57 17 | Feb65 | HAM | Bormann,M.+ |
| $Ti^{46}$ | Sigma | 1.0 6 | 1.0 6 | | $S^{32}(n,p)$ | Activation | 1 | EANDC/E- 57 30 | Feb65 | MUN | Kohler. |
| $Ti^{46}$ | Sigma | 1.0 6 | 1.0 6 | | $Co^{59}$ | CrystalScint | 1 | EANDC/E- 57 69 | Feb65 | MOL | Fabry. |
| $Ti^{46}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation * | 2 | EANDC/E- 57 172 | Feb65 | GRE | Lloret,R. |
| $Ti^{46}$ | Sigma | 1.3 7 | 1.7 7 | | | Activation * | 17 | NP 63 393 | Mar65 | GEL | Liskien,H.+ |
| $Ti^{46}$ | Sigma | 1.4 7 | 2.0 7 | | Al(n,alpha) | Activation | 5 | CJP 44 2337 | Oct66 | TOR | Pai,H.L. |
| $Ti^{46}$ | Sigma | 1.0 6 | 1.0 6 | | Al(n,alpha) | Activation | 1 | NSE 29 7 | Jul67 | ISP | Bresesti,R.M.+ |
| $Ti^{46}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Ti^{46}$ | Sigma | 4.9 6 | 7.0 6 | | | Activation | 5 | ANS 12 283 | Jun69 | PLA | Lukic. |
| $Ti^{46}$ | Sigma | 6.0 6 | 7.0 6 | | Al(n,alpha) | Activation | 3 | ANS 12 283 | Jun69 | PLA | Lukic. |
| $Ti^{46}$ | Sigma | 5.5 6 | 6.5 6 | | Iron | Activation | 3 | ANS 12 283 | Jun69 | PLA | Lukic. |
| $Ti^{46}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 2 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |
| $Ti^{46}$ | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ti^{46}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | |
| $Ti^{46}$ | Γ(n,l=0) | 4.1 4 | 3.4 5 | | | Shape Analys | 11 | AP 17 319 | 62 | DKE | Bowman. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ti^{46}$ | Γ | 2.6 5 | 3.4 5 | | | | 3 | AP 17 319 | 62 | DKE | Bowman. |
| $Ti^{46}$ | Γ | 4.1 4 | 3.6 5 | | | AreaAnalysis | 99 | AP 17 319 | 62 | DKE | Bowman. |
| $Ti^{46}$ | Γ | 1.8 5 | 3.4 5 | | | Shape Analys | 7 | AP 17 319 | 62 | DKE | Bowman. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Ti^{47}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ti^{47}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| $Ti^{47}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ti^{47}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Ti^{47}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | NP 37 78 | 62 | BNL | Hillman. |
| $Ti^{47}$ | Sigma | 2.0 6 | 3.5 6 | | $P^{31}(n,p)$ | Activation | 12 | PR 126 271 | Apr62 | CHL | Gonzalez,L.+ |
| $Ti^{47}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{47}$ | Sigma | 1.0 6 | 1.0 6 | | $S^{32}(n,p)$ | Activation | 1 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| $Ti^{47}$ | Sigma | 1.0 6 | 1.0 6 | | $S^{32}(n,p)$ | Activation | 1 | EANDC/E- 57 30 | Feb65 | MUN | Kohler. |
| $Ti^{47}$ | Sigma | 1.4 7 | 2.0 7 | | Al(n,alpha) | Activation | 5 | CJP 44 2337 | Oct66 | TOR | Pai,H.L. |
| $Ti^{47}$ | Sigma | 2.2 6 | 3.6 6 | P | | * | 5 | SYMONDS 67C | Mar67 | AWL | Armitage,F.G. |
| $Ti^{47}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Ti^{47}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 2 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION (CONTINUED) | | | | | | | | | | | | | |
| $Ti^{47}$ | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP 24 274 | | Apr61 | HAR | Allan,D.L. |
| | (n,np) REACTION | | | | | | | | | | | | | |
| $Ti^{47}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 | 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{47}$ | Sigma | 1.4 | 7 | 2.0 | 7 | | Al(n,alpha) | Activation | 5 | CJP 44 2337 | | Oct66 | TOR | Pai,H.L. |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Ti^{47}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Solidstate C | 2 | NP A127 81 | | Apr69 | OTC | Spira. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Ti^{47}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | | Oct52 | ORL | Pomerance. |
| $Ti^{47}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | | 2 | AE 14 185 | | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $Ti^{47}$ | Sigma | 8.0 | 3 | 7.6 | 4 | C | | MultiLvl Fit* | 13601 | FROEHNER 72A | | Jan72 | KFK | Froehner,F.H.+ |
| | n-WIDTH | | | | | | | | | | | | | |
| $Ti^{47}$ | 2gΓ(n) | 3.0 | 3 | 5.7 | 4 | | | AreaAnalysis | 50 | 65ANTWRP- 99 | | Jul65 | ORL | Good. |
| $Ti^{47}$ | 2gΓ(n,l=0) | 3.0 | 3 | 5.7 | 4 | | | AreaAnalysis | 50 | 65ANTWRP- 99 | | Jul65 | ORL | Good. |
| | LEVEL DENS PARAM | | | | | | | | | | | | | |
| $Ti^{47}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NP 24 274 | | Apr61 | HAR | Allan,D.L. |
| | INEL SCATTERING | | | | | | | | | | | | | |
| $Ti^{48}$ | Ang Distrib | 2.3 | 6 | 2.4 | 6 | | | Biased Scint | 18 | PR 103 343 | | Jul56 | LAS | Cranberg. |
| $Ti^{48}$ | Ang Distrib | 2.3 | 6 | 2.4 | 6 | | H(n,n) | Biased Scint | 2 | PR 103 343 | | Jul56 | LAS | Cranberg. |
| | (n,n'γ) REACTION | | | | | | | | | | | | | |
| $Ti^{48}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li)Detect* | 1 | ZN A 26 451 | | Mar71 | MUN | Breunlich,W.+ |
| $Ti^{48}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A 26 451 | | Mar71 | MUN | Breunlich,W.+ |
| $Ti^{48}$ | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | $S^{32}$(n,p) | CrystalScint | 2 | USNRDL/TR- 916 | | Oct65 | NRD | Engesser. |
| $Ti^{48}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | BAP 12 124 | | Feb67 | WVU | Eddy,J.K.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | | |
| $Ti^{48}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 118 797 | | May60 | ORL | Shull. |
| | MISC SCATT QUANT | | | | | | | | | | | | | |
| $Ti^{48}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 118 797 | | May60 | ORL | Shull. |
| $Ti^{48}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 118 797 | | May60 | ORL | Shull. |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Ti^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | | 53 | CR | Paul. |
| $Ti^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 115 989 | | Aug59 | ARK | Poularikas. |
| $Ti^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | NP 37 78 | | 62 | BNL | Hillman. |
| $Ti^{48}$ | Sigma | 1.3 | 7 | 1.7 | 7 | | Absolute | Activation | 5 | PR 128 1276 | | Nov62 | KTY | Gabbard. |
| $Ti^{48}$ | Sigma | 1.3 | 7 | 1.7 | 7 | | Norm To Abs | Activation | 14 | PR 128 1276 | | Nov62 | KTY | Gabbard. |
| $Ti^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 | 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{48}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | $S^{32}$(n,p) | Activation | 1 | JNE 18 417 | | Aug64 | AUL | Boldeman,J.W.+ |
| $Ti^{48}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | Absolute | Activation * | 9 | EANDC/E- 57 | 17 | Feb65 | HAM | Bormann,M.+ |
| $Ti^{48}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | $S^{32}$(n,p) | Activation | 1 | EANDC/E- 57 | 30 | Feb65 | MUN | Kobler. |
| $Ti^{48}$ | Sigma | 1.4 | 7 | 2.0 | 7 | | Al(n,alpha) | Activation | 5 | CJP 44 2337 | | Oct66 | TOR | Pai,H.L. |
| $Ti^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | * | 1 | EANDC/E- 89 | 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Ti^{48}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Ratio | * | 12 | EANDC/E- 89 | 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Ti^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | 68WASH- 885 | | Mar68 | MUN | Vonach,H.K.+ |
| $Ti^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | Activation | 1 | 68WASH- 885 | | Mar68 | MUN | Vonach,H.K.+ |
| $Ti^{48}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | AE 25 437 | | Nov68 | CCP | Nasyrov. |
| $Ti^{48}$ | Sigma | 6.2 | 6 | 7.0 | 6 | | | Activation | 2 | ANS 12 283 | | Jun69 | FLA | Lukic. |
| $Ti^{48}$ | Sigma | 6.5 | 6 | 7.0 | 6 | | Al(n,alpha) | Activation | 2 | ANS 12 283 | | Jun69 | FLA | Lukic. |
| $Ti^{48}$ | Sigma | 6.5 | 6 | 6.5 | 6 | | Iron | Activation | 1 | ANS 12 283 | | Jun69 | FLA | Lukic. |
| $Ti^{48}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 2 | NST 8 59 | | Feb71 | KTO | Kimura,I.+ |
| $Ti^{48}$ | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP 24 274 | | Apr61 | HAR | Allan,D.L. |
| | (n,np) REACTION | | | | | | | | | | | | | |
| $Ti^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 | 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{48}$ | Sigma | 1.4 | 7 | 2.0 | 7 | | Al(n,alpha) | Activation | 5 | CJP 44 2337 | | Oct66 | TOR | Pai,H.L. |
| | (n,d) REACTION | | | | | | | | | | | | | |
| $Ti^{48}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 11 | PR 139B 331 | | Jul65 | RBZ | Valkovic,V.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Ti^{48}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 | 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{48}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | 1 | NP A 98 451 | | Jun67 | IIT | Yu-Wen Yu. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Ti^{48}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | | | | |
| $Ti^{48}$ | Γ(n) | 4.0 | 3 | 2.7 | 5 | | | | 10 | AP 14 387 | | 61 | DKE | Bilpuch. |
| $Ti^{48}$ | Γ(n,l=0) | 4.0 | 3 | 2.7 | 5 | | | | 10 | AP 14 387 | | 61 | DKE | Bilpuch. |
| $Ti^{48}$ | Γ(n,l=0) | 7.2 | 4 | 3.6 | 5 | | | Shape Analys | 11 | AP 17 319 | | 62 | DKE | Bowman. |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Ti^{48}$ | Γ | 1.3 | 5 | 3.7 | 5 | | | | 30 | AP 17 319 | | 62 | DKE | Bowman. |
| $Ti^{48}$ | Γ | 5.1 | 4 | 3.7 | 5 | | | AreaAnalysis | 36 | AP 17 319 | | 62 | DKE | Bowman. |
| $Ti^{48}$ | Γ | 1.8 | 5 | 3.6 | 5 | | | Shape Analys | 6 | AP 17 319 | | 62 | DKE | Bowman. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Ti^{48}$ | Resonance Energy | 1.7 | 4 | 1.9 | 5 | | | TimeOfFlight | 11 | CR-1860 | | 64 | COL | Garg. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Ti^{48}$ | Level Spacing | 9.6 | 4 | 9.6 | 4 | | | TimeOfFlight | 1 | CR-1860 | | 64 | COL | Garg. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Ti^{49}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ti^{49}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| $Ti^{49}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ti^{49}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Ti^{49}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Ti^{49}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{49}$ | Sigma | 1.4 7 | 2.0 7 | | Al(n,alpha) | Activation | 5 | CJP 44 2337 | Oct66 | TOR | Pai,H.L. |
| | (n,np) REACTION | | | | | | | | | | |
| $Ti^{49}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{49}$ | Sigma | 1.4 7 | 2.0 7 | | Al(n,alpha) | Activation | 5 | CJP 44 2337 | Oct66 | TOR | Pai,H.L. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ti^{49}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ti^{49}$ | Sigma | 2.4 4 | 8.3 5 | | | | 2 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ti^{49}$ | Sigma | 1.7 4 | 2.5 5 | | Absolute | TimeOfFlight | 1331 | MULLER 70J | Oct70 | KFK | Proehner,F.H.+ |
| | n-WIDTH | | | | | | | | | | |
| $Ti^{49}$ | Γ(n) | 1.9 4 | 2.4 5 | | | MultiLvl Fit* | 27 | NP A164 97 | Mar71 | KFK | Mueller,K-N.+ |
| $Ti^{49}$ | 2gΓ(n) | 3.6 3 | 3.8 4 | | | AreaAnalysis | 10 | 65ANTWRP- 99 | Jul65 | ORL | Good. |
| $Ti^{49}$ | 2gΓ(n) | 1.9 4 | 2.4 5 | | | MultiLvl Fit* | 27 | NP A164 97 | Mar71 | KFK | Mueller,K-N.+ |
| $Ti^{49}$ | 2gΓ(n,l=0) | 3.6 3 | 3.8 4 | | | AreaAnalysis | 10 | 65ANTWRP- 99 | Jul65 | ORL | Good. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ti^{49}$ | Resonance Energy | 1.9 4 | 2.4 5 | | | MultiLvl Fit* | 27 | NP A164 97 | Mar71 | KFK | Mueller,K-N.+ |
| $Ti^{49}$ | Spin of Reson | 1.9 4 | 2.4 5 | | | MultiLvl Fit* | 27 | NP A164 97 | Mar71 | KFK | Mueller,K-N.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Ti^{49}$ | Strength Fn(l=0) | 2.5 5 | 2.5 5 | | | MultiLvl Fit* | 1 | NP A164 97 | Mar71 | KFK | Mueller,K-N.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ti^{50}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Ti^{50}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Ti^{50}$ | Sigma | 2.5 6 | 4.0 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Ti^{50}$ | Sigma | 2.5 6 | 4.0 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Ti^{50}$ | Sigma | 2.4 4 | 2.4 4 | | Indium | Activation | 1 | NP 9 569 | 59 | LVN | Vervier,J.F. |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| $Ti^{50}$ | Sigma | 1.8 5 | 2.0 6 | | $U^{235}$(n,f) | Activation | 8 | AE 23 67 | Jul67 | UKR | Zaikin. |
| $Ti^{50}$ | Sigma | 1.4 5 | 1.6 6 | | $U^{235}$(n,f) | Activation * | 27 | JNE 23 443 | May69 | ANL | Dudey,N.D.+ |
| $Ti^{50}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Ti^{50}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Ti^{50}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li) Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ti^{50}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li) Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ti^{50}$ | Ang Distrib | 2.8 6 | 2.8 6 | | $S^{32}$(n,p) | CrystalScint | 1 | USNRDL/TR- 916 | Oct65 | NRD | Engesser. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Ti^{50}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ti^{50}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| $Ti^{50}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 118 797 | May60 | ORL | Shull. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ti^{50}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 3 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | JNE 18 81 | Feb64 | RED | Koehler,D.R.+ |
| $Ti^{50}$ | Sigma | 1.5 7 | 2.0 7 | | Al(n,alpha) | Activation | 4 | CJP 44 2337 | Oct66 | TOR | Pai,H.L. |
| | (n,2p) REACTION | | | | | | | | | | |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | NP 37 78 | 62 | BNL | Hillman. |
| $Ti^{50}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 2 | Jan63 | CR | Cross,W.G.+ |
| $Ti^{50}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ti^{50}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | |
| $Ti^{50}$ | Γ(n,l=0) | 3.7 4 | 3.1 5 | | | Shape Analys | 4 | AP 17 319 | 62 | DKE | Bowman. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ti^{50}$ | Γ | 3.7 4 | 1.4 6 | | | AreaAnalysis | 47 | AP 17 319 | 62 | DKE | Bowman. |
| $Ti^{50}$ | Γ | 3.1 5 | 3.1 5 | | | Shape Analys | 1 | AP 17 319 | 62 | DKE | Bowman. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| V | Sigma | 3.0 | 4 | 3.0 | 4 | S | Indium | Scint Tank | 1 | PR 122 182 | Apr61 | ORL | Gibbons. |
| V | Sigma | 3.0 | 4 | 3.0 | 4 | | Indium | Scint Tank | 1 | PR 129 2695 | Mar63 | ORL | Macklin. |
| V | Sigma | 2.5 | 1 | 5.5 | 4 | | | Slowing-Down | 58 | AE 19 294 | 65 | CCP | Kapchigashev. |
| V | Sigma | 1.0 | 5 | 1.8 | 5 | | Ta181 | Liquid Scint | 4 | PR 159 1007 | Jul67 | ORL | Macklin. |
| V | Spectrum | 2.5 | -2 | 2.5 | -2 | | Arb Units | γ-Spectromet | 29 | NP 3 187 | Sep57 | CCP | Groshev,L.V.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| V | Sigma | 3.0 | 4 | 1.1 | 5 | | Carbon | 4Pi*σ(90°) | 52 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| V | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| V | Sigma | 2.5 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight* | 9 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| V | Ang Distrib | 7.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 1 | PR 129 1649 | Feb63 | LAS | Thomson. |
| V | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| V | Ang Distrib | 2.5 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 166 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| V | Legendre Fit | 2.5 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 72 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| V | Sigma | 1.5 | 6 | 4.6 | 6 | | H(n,n) | TimeOfFlight* | 44 | NP A146 321 | May70 | AE | Holmqvist,B.+ |
| V | Sigma | 2.0 | 6 | 4.5 | 6 | | H(n,n) | TimeOfFlight* | 70 | 70HELSNK/II-349 | Jun70 | AE | Almen,E.+ |
| V | Ang Distrib | 2.4 | 6 | 2.4 | 6 | | H(n,n) | Biased Scint | 2 | PR 103 343 | Jul56 | LAS | Cranberg. |
| V | Ang Distrib | 7.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 3 | PR 129 1649 | Feb63 | LAS | Thomson. |
| V | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 37 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| V | Ang Distrib | 2.5 | 6 | 4.6 | 6 | | H(n,n) | TimeOfFlight* | 227 | NP A146 321 | May70 | AE | Holmqvist,B.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| V | Sigma | 6.0 | 4 | 1.8 | 6 | | Carbon | Diff Sig Int | 22 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| V | σ(Coherent) | 7.3 | -2 | 7.3 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| V | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| V | Scatt Amplitude | 7.3 | -2 | 7.3 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| V | Sigma | 1.4 | 7 | 1.4 | 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| V | Sigma | 1.4 | 7 | 1.4 | 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| V | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| V | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| V | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Activation | 1 | CR 232 2089 | May51 | PAR | Grimeland,B.+ |
| V | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| V | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| V | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| V | Sigma | 1.0 | 6 | 1.0 | 6 | | | Shell Trans | 2 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| V | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 16 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| V | Sigma | 1.3 | 4 | 1.0 | 6 | | Absolute | Accelerator | 137 | PR 79 28 | Jul50 | ANL | Blair. |
| V | Sigma | 1.4 | 7 | 1.4 | 7 | | | Accelerator | 1 | PR 81 139 | Jan51 | CAR | Lasday. |
| V | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| V | Sigma | 1.1 | -3 | 7.2 | -2 | | Absolute | TimeOfFlight | 73 | AERE/R-1147 | Apr53 | HAR | Egelstaff. |
| V | Sigma | 1.2 | -2 | 5.8 | 0 | | Absolute | TimeOfFlight | 30 | BENDT 53E | May53 | COL | Bendt. |
| V | Sigma | 2.1 | -2 | 4.5 | 0 | | Absolute | Crystal Spec | 14 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| V | Sigma | 8.7 | -4 | 3.6 | -2 | | Absolute | TimeOfFlight | 48 | PALEVSKY 53E | May53 | BNL | Palevsky. |
| V | Sigma | 2.3 | 6 | 2.7 | 6 | | Absolute | Accelerator | 14 | BAP 2 232 | Apr57 | TEX | Bennett. |
| V | Sigma | 4.0 | 2 | 8.9 | 4 | | Absolute | TimeOfFlight | 108 | PR 111 288 | Jul58 | ANL | Cote. |
| V | Sigma | 1.2 | 3 | 4.1 | 4 | S | Absolute | TimeOfFlight | 98 | BAP 4 34 | Jan59 | HAR | Brussel. |
| V | Sigma | 2.0 | -3 | 2.9 | -1 | | Absolute | TimeOfFlight | 93 | NSE 7 193 | Feb60 | MTR | Randolf,P.D.+ |
| V | Sigma | 1.8 | 7 | 2.8 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| V | Sigma | 3.7 | 6 | 3.7 | 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| V | Sigma | 5.8 | 2 | 2.2 | 5 | | Absolute | TimeOfFlight | 3720 | BAP 7 288 | Apr62 | COL | Amram. |
| V | Sigma | 5.8 | 2 | 6.0 | 5 | P | Absolute | TimeOfFlight | 15888 | BAP 7 288 | Apr62 | COL | Amram. |
| V | Sigma | 6.0 | 2 | 2.6 | 4 | | | TimeOfFlight | 310 | PPS 82 477 | 63 | HAR | Firk,W.K.+ |
| V | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| V | Sigma | 2.6 | 6 | 2.8 | 6 | | | TimeOfFlight | 7 | CR 260 3045 | Mar65 | SAC | Sorriaux,A. |
| V | Sigma | 3.2 | 6 | 5.2 | 6 | | Absolute | Transmission | 42 | NP 65 419 | Mar65 | JNE | Manero. |
| V | Sigma | 1.0 | -2 | 4.0 | 0 | | Absolute | Crystal Spec | 3 | RSI 36 887 | Jul65 | COL | |
| V | Sigma | 2.0 | 6 | 1.0 | 7 | S | Absolute | TimeOfFlight | 343 | COO/ 720-058 | Oct65 | CSE | Galloway. |
| V | Sigma | 2.0 | 6 | 1.0 | 7 | | Absolute | TimeOfFlight | 347 | COO/1573- 6 | Sep66 | CSE | Shrader,E.F.+ |
| V | Sigma | 4.1 | 5 | 1.2 | 6 | | Absolute | CrystalScint | 188 | NP A102 92 | Sep67 | FR | Cabe. |
| V | Sigma | 6.9 | 5 | 7.1 | 5 | | Absolute | TimeOfFlight | 2 | SMITH 68D | Apr68 | ANL | Whalen. |
| V | Sigma | 3.6 | 5 | 3.2 | 7 | | Absolute | TimeOfFlight* | 6178 | KFK-1000 S2 | Feb69 | KFK | Cierjacks,S.+ |
| V | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | | 545 | ANL-7564 | May69 | ANL | Smith. |
| V | Sigma | 5.1 | 5 | 1.4 | 6 | | Absolute | TimeOfFlight | 798 | ANL-7564 | May69 | ANL | Smith. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| V | Resonance Energy | 1.4 | 3 | 2.0 | 5 | | | TimeOfFlight | 39 | CR-1860 | 64 | COL | Garg. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| V | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| VSO | Sigma | 2.5 | -2 | 2.5 | -2 | | | CaptureGamma | 1 | PR 89 386 | Jan53 | CR | Bartholomew,G.A.+ |
| VSO | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | BAP 8 335 | 63 | PSU | Glickstein. |
| VSO | Sigma | 1.0 | 4 | 5.5 | 4 | | | Slowing-Down | 8 | AE 19 294 | 65 | CCP | Kapchigashev. |
| | n-WIDTH | | | | | | | | | | | | |
| VSO | 2gΓ(n) | 6.2 | 3 | 4.1 | 4 | | | AreaAnalysis | 14 | BAP 11 28 | Jan66 | ORL | Good,W.M.+ |
| VSO | 2gΓ(n,l=0) | 6.2 | 3 | 4.1 | 4 | | | AreaAnalysis | 14 | BAP 11 28 | Jan66 | ORL | Good,W.M.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| VSO | Γ | 1.7 | 2 | 1.4 | 3 | | | TimeOfFlight | 2 | PR 111 288 | Jul58 | ANL | Cote. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM | | | | | | | | | | | |
| V50 | σ(0) | 1.7 2 | 1.7 2 | | | TimeOfFlight | | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| | (n,γ) REACTION | | | | | | | | | | | |
| V51 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| V51 | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| V51 | Sigma | 2.0 5 | 4.0 6 | | $I^{127}$ | Activation | | 3 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| V51 | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| V51 | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| V51 | Sigma | 1.5 5 | 2.6 6 | | $U^{235}(n,f)$ | Activation | | 18 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| V51 | Sigma | 1.5 5 | 2.6 6 | N | $U^{235}(n,f)$ | Activation | | 18 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| V51 | Sigma | 2.5 4 | 1.3 6 | | $U^{235}(n,f)$ | Activation | | 19 | AE 9 401 | Nov60 | CCP | Stavisskii. |
| V51 | Sigma | 2.5 4 | 1.3 6 | N | $U^{235}(n,f)$ | Activation | | 19 | AE 9 401 | Nov60 | CCP | Stavisskii. |
| V51 | Sigma | 8.2 3 | 1.5 5 | | | Scint Tank | | 42 | GIBBONS 61 | 61 | ORL | Gibbons. |
| V51 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | BAP 8 335 | 63 | PSU | Glickstein. |
| V51 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | SHER 66A | Jan66 | BNL | Sher. |
| V51 | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| V51 | Sigma | 1.9 5 | 2.6 6 | | $U^{235}(n,f)$ | Activation | | 13 | AE 23 67 | Jul67 | UKR | Zaikin. |
| V51 | Sigma | 2.9 6 | 2.9 6 | | Indium | Activation | * | 1 | OSA 105 236 | Jun68 | IRK | Colditz,J.+ |
| V51 | Sigma | 1.4 5 | 1.7 6 | | $U^{235}(n,f)$ | Activation | * | 30 | JNE 23 443 | May69 | ANL | Dudey,N.D.+ |
| V51 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| V51 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 419 | Nov70 | NPL | Ryves,T.B.+ |
| V51 | Reson Integral | 5.0 -1 | 5.0 -1 | | | Activation | | 1 | GA-3069 | Sep62 | GA | Sampson. |
| V51 | Reson Integral | 6.8 -1 | 6.8 -1 | | Au(n,γ) | Activation | | 1 | EANDC/E- 66 39 | Feb66 | MUN | Schmelz,H.+ |
| V51 | Reson Integral | 6.8 -1 | 6.8 -1 | | Au(n,γ) | Activation | | 1 | NUK 10 277 | Nov67 | OTC | Geiger. |
| V51 | Rescn Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| V51 | Spectrum | 2.5 -2 | 2.5 -2 | | Norm To Abs | Ge(Li) Detect | | 34 | ZPK/PHA- 24 | Jan67 | ROS | Rudolf,W. |
| | γ,EMISSION | | | | | | | | | | | |
| V51 | Ang Distrib | 1.0 6 | 1.0 6 | | | CrystalScint | | 1 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | |
| V51 | Sigma | 2.3 6 | 2.3 6 | | | TimeOfFlight | | 1 | 65ANTWRP- 38 | Jul65 | ALD | Towle,J.H.+ |
| V51 | Ang Distrib | 2.3 6 | 2.3 6 | | | TimeOfFlight | | 13 | 65ANTWRP- 38 | Jul65 | ALD | Towle,J.H.+ |
| | INEL SCATTERING | | | | | | | | | | | |
| V51 | Sigma | 2.3 6 | 2.3 6 | | | TimeOfFlight | | 4 | 65ANTWRP- 38 | Jul65 | ALD | Towle,J.H.+ |
| V51 | Sigma | 1.8 6 | 3.1 6 | | | | | 15 | NP A107 153 | Jan68 | KTY | Barrows. |
| V51 | Ang Distrib | 2.3 6 | 2.3 6 | | H(n,n) | TimeOfFlight | | 44 | 65ANTWRP- 38 | Jul65 | ALD | Towle,J.H.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| V51 | Sigma | 1.8 6 | 3.1 6 | | Iron | Diff Sig Int | | 24 | NP A107 153 | Jan68 | KTY | Barrows. |
| V51 | Ang Distrib | 2.1 6 | 2.1 6 | | | Ge(Li) Detect | | 5 | ORO/2791-26 (2) | Aug67 | TNC | Morgan. |
| V51 | Ang Distrib | 8.0 5 | 1.8 6 | | At one Angle | Ge(Li) Detect | | 25 | ORO/2791-26 (2) | Aug67 | TNC | Morgan. |
| V51 | Ang Distrib | 8.0 5 | 1.8 6 | | H(n,n) | Ge(Li) Detect | | 13 | ORO/2791-26 (2) | Aug67 | TNC | Morgan. |
| V51 | Ang Distrib | 3.3 5 | 4.0 6 | | | Ring Geomtry* | | 225 | AWRE/O/70- 78 | Oct70 | ALD | Porter,D.+ |
| | MISC SCATT QUANT | | | | | | | | | | | |
| V51 | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| V51 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| V51 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| V51 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | AN.PROG.REP.60A | Jan60 | ARK | Poularikas. |
| V51 | Sigma | 1.3 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | * | 7 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| V51 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | * | 1 | NP 83 157 | Jul66 | BOS | Mitra,B.+ |
| V51 | Sigma | 1.0 6 | 1.0 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| V51 | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate | * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| V51 | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | | | * | 34 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,2p) REACTION | | | | | | | | | | | |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | p-EMISSION | | | | | | | | | | | |
| V51 | Ang Distrib | 1.4 7 | 1.4 7 | | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | | |
| V51 | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | | 28 | PR 128 2739 | Dec62 | BBZ | Ilakovac,K.+ |
| V51 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | | 1 | NP 46 73 | Jul63 | MIL | Colli,L.+ |
| | (n,$He^3$) REACTION | | | | | | | | | | | |
| V51 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | | 1 | PR 117 1568 | Mar60 | ARK | Kumabe. |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| V51 | Sigma | 1.5 7 | 1.5 7 | C | Absolute | Nuc Emulsion | | 1 | JPJ 13 325 | Apr58 | KTO | Kumabe,I.+ |
| V51 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | * | 1 | OSA 95 199 | Nov58 | IRK | Vonach,H.+ |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | AN.PROG.REP.60A | Jan60 | ARK | Poularikas. |
| V51 | Sigma | 1.3 7 | 2.0 7 | | | Activation | | 9 | JPR 22 602 | Oct61 | HAM | Bormann. |
| V51 | Sigma | 1.3 7 | 2.0 7 | | | | | 9 | CIERJACKS 62 | 62 | HAM | Cierjacks. |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | NP 37 78 | 62 | BNL | Hillman. |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | | * | 1 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| V51 | Sigma | 1.4 7 | 1.5 7 | | Ratio | | * | 12 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| V51 | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation | | 1 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| V51 | Sigma | 1.0 6 | 1.0 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| V51 | Sigma | 1.0 6 | 1.0 6 | | | Activation | | 1 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,n alpha) REACT | | | | | | | | | | | | |
| V51 | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation * | 1 | OSA 95 199 | Nov58 | IRK | Vonach,H.+ |
| V51 | Sigma | 2.0 | 7 | 2.0 | 7 | | | Activation * | 1 | JPR 22 602 | Oct61 | HAM | Bormann. |
| V51 | Sigma | 1.3 | 7 | 1.9 | 7 | | Al(n,alpha) | Activation * | 7 | ZP 166 477 | Feb62 | HAM | Bormann,M.+ |
| V51 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | PR 129 2227 | Mar63 | BNL | Hillman,M. |
| V51 | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | alpha-EMISSION | | | | | | | | | | | | |
| V51 | Sigma | 1.5 | 7 | 1.5 | 7 | C | Absolute | Nuc Emulsion | 1 | JPJ 13 325 | Apr58 | KTO | Kumabe,I.+ |
| V51 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | Nuc Emulsion | 9 | JPJ 13 325 | Apr58 | KTO | Kumabe,I.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| V51 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| V51 | Sigma | 1.4 | 3 | 1.0 | 5 | | | Accelerator | 136 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| V51 | Sigma | 2.4 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 234 | FOSTER 67E | May67 | BNW | Foster. |
| V51 | Sigma | 2.0 | 4 | 2.2 | 5 | | Absolute | TimeOfFlight | 1378 | MULLER 70J | Oct70 | KFK | Froehner,F.H.+ |
| | n-WIDTH | | | | | | | | | | | | |
| V51 | Γ(n) | 2.2 | 4 | 1.5 | 5 | | Absolute | MultiLvl Fit | 21 | 66PARIS/I- 137 | Oct66 | KFK | Rohr,G.+ |
| V51 | Γ(n) | 2.9 | 4 | 1.2 | 5 | | | AreaAnalysis | 13 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| V51 | gΓ(n) | 2.9 | 4 | 1.3 | 5 | | | AreaAnalysis | 34 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| V51 | gΓ(n,l=0) | 2.9 | 4 | 1.3 | 5 | | | AreaAnalysis | 32 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| V51 | Γ | 4.1 | 3 | 8.7 | 4 | | | AreaAnalysis | 14 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| V51 | Γ | 4.2 | 3 | 4.2 | 3 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| V51 | Γ | 4.1 | 3 | 3.1 | 4 | | | | 7 | NRDC-135 10 | May61 | HAR | |
| V51 | Γ | 4.2 | 3 | 2.2 | 4 | | | Shape Analys | 6 | PPS 82 477 | 63 | HAR | Firk,W.K.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| V51 | Resonance Energy | 6.4 | 3 | 1.1 | 4 | | | TimeOfFlight | 2 | PR 111 288 | Jul58 | ANL | Cote. |
| V51 | Resonance Energy | 6.5 | 3 | 6.5 | 3 | | | TimeOfFlight | 1 | BAP 4 42 | Jan59 | ORL | Miller. |
| V51 | Resonance Energy | 2.9 | 4 | 6.9 | 4 | | | TimeOfFlight | 13 | 65ANTWRP- 86 | Jul65 | SAC | Morgenstern,J.+ |
| V51 | Resonance Energy | 2.9 | 4 | 1.3 | 5 | | | AreaAnalysis* | 34 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| V51 | Spin of Reson | 4.1 | 3 | 8.7 | 4 | | | AreaAnalysis | 5 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| V51 | Spin of Reson | 4.1 | 3 | 3.1 | 4 | | | | 7 | NRDC-135 10 | May61 | HAR | |
| V51 | Spin of Reson | 4.2 | 3 | 2.2 | 4 | | | Shape Analys | 6 | PPS 82 477 | 63 | HAR | Firk,W.K.+ |
| V51 | Spin of Reson | 4.2 | 3 | 8.7 | 4 | | | TimeOfFlight | 11 | CR-1860 | 64 | COL | Garg. |
| V51 | Spin of Reson | 2.2 | 4 | 1.5 | 5 | | Absolute | MultiLvl Fit | 21 | 66PARIS/I- 137 | Oct66 | KFK | Rohr,G.+ |
| V51 | Spin of Reson | 2.9 | 4 | 1.2 | 5 | | | AreaAnalysis | 13 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| V51 | n-Orbit Ang Mom | 2.9 | 4 | 1.2 | 5 | | | AreaAnalysis | 16 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| V51 | Strength Fn(l=0) | 6.0 | 3 | 6.0 | 3 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| V51 | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | PPS 82 477 | 63 | HAR | Firk,W.K.+ |
| V51 | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| V51 | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| V51 | Strength Fn(l=0) | 1.6 | 5 | 1.6 | 5 | | | | 6 | NP A104 1 | Nov67 | KFK | Rohr,G.+ |
| V51 | Strength Fn(l=0) | 1.3 | 5 | 1.3 | 5 | | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| V51 | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| V51 | Strength Fn(l=1) | 1.3 | 5 | 1.3 | 5 | | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| V51 | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Cr | Sigma | 2.2 | 5 | 8.3 | 5 | | | Shell Trans | 2 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Cr | Sigma | 2.5 | 4 | 2.5 | 4 | S | | Shell Trans | 1 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Cr | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 8 549 | 60 | CCP | Belanova. |
| Cr | Sigma | 1.7 | 5 | 1.0 | 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Cr | Sigma | 3.0 | 4 | 6.5 | 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Cr | Sigma | 3.5 | 4 | 9.0 | 5 | | $U^{235}(n,f)$ | Activation | 10 | AE 12 514 | Jun62 | CCP | Stavisskii. |
| Cr | Sigma | 3.5 | 4 | 9.0 | 5 | N | $U^{235}(n,f)$ | Activation | 10 | AE 12 514 | Jun62 | CCP | Stavisskii. |
| Cr | Sigma | 2.9 | 0 | 5.0 | 4 | | σ(Thermal) | Slowing-Down | 53 | AE 16 256 | 64 | CCP | Kapchigashev,S. |
| Cr | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| Cr | Sigma | 8.1 | 3 | 9.4 | 4 | | Indium | TimeOfFlight* | 34 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| Cr | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | TimeOfFlight | 8 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| Cr | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Carbon | TimeOfFlight | 16 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Cr | Sigma | 4.4 | 4 | 1.1 | 5 | | Carbon | 4Pi*σ(90°) | 66 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Cr | Sigma | 4.5 | 7 | 1.2 | 8 | N | Proportion C | | 66 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Cr | Sigma | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Cr | Sigma | 3.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 3 | UPZ 9 577 | 64 | UKR | Korzh. |
| Cr | Sigma | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 26 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Cr | Sigma | 2.0 | 6 | 2.0 | 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Cr | Sigma | 3.2 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 89 | SMITH 66L | Dec66 | ANL | Smith. |
| Cr | Sigma | 2.5 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight* | 9 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Cr | Sigma | 1.8 | 6 | 2.8 | 6 | | H(n,n) | TimeOfFlight* | 4 | AE- 385 | Sep70 | AE | Holmqvist,B.+ |
| Cr | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 1 | PR 104 1069 | Nov56 | WES | Weddell. |
| Cr | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | | Nuc Emulsion | 6 | AE 3 106 | 57 | CCP | Sal'nikov. |
| Cr | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Cr | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Cr | Ang Distrib | 3.0 | 5 | 8.0 | 5 | | | Threshold C | 24 | UPZ 9 577 | 64 | UKR | Korzh. |
| Cr | Ang Distrib | 6.8 | 5 | 1.2 | 6 | | Carbon | Biased Scint | 520 | BAP 10 576 | A Jun65 | ANL | Cox,S.A. |
| Cr | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 12 | NP 68 97 | Jun65 | ORL | Stelson. |
| Cr | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 14 | NP 89 154 | 66 | BCM | Becker. |
| Cr | Ang Distrib | 3.5 | 5 | 9.6 | 5 | | Carbon | Accelerator | 210 | BAP 12 473 | Apr67 | ANL | Elwyn. |
| Cr | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | Arb Units | TimeOfFlight | 8 | INDC-260 106 | Feb69 | UKR | Pasechnik. |
| Cr | Ang Distrib | 2.5 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 166 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Cr | Ang Distrib | 1.8 | 6 | 2.8 | 6 | | H(n,n) | TimeOfFlight* | 72 | AE- 385 | Sep70 | AE | Holmqvist,B.+ |
| Cr | Legendre Fit | 3.5 | 5 | 1.3 | 6 | | Carbon | TimeOfFlight | 8 | US- 62 | Oct64 | ANL | |
| Cr | Legendre Fit | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 104 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Cr | Legendre Fit | 3.2 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 445 | SMITH 66L | Dec66 | ANL | Smith. |
| Cr | Legendre Fit | 2.5 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 74 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Cr | Legendre Fit | 1.8 | 6 | 2.8 | 6 | | H(n,n) | TimeOfFlight* | 24 | AE- 385 | Sep70 | AE | Holmqvist,B.+ |
| Cr | Polarizat n-out | 3.3 | 6 | 3.3 | 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | PEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| Cr | Sigma | 2.5 | 6 | 2.5 | 6 | | | Ion Chamber | 1 | PR 82 969 | Jun51 | OXF | Grace,M.A.+ |
| Cr | Sigma | 2.5 | 6 | 2.5 | 6 | | | CrystalScint | 1 | PR 94 144 | Apr54 | OXF | Elliot,F.A.+ |
| Cr | Sigma | 2.5 | 6 | 2.5 | 6 | | | CrystalScint | 1 | PM 1 261 | Jan56 | OXF | Beghian,L.E.+ |
| Cr | Sigma | 9.8 | 5 | 3.3 | 6 | | Iron | 4Pi*σ(90°) | 10 | PR 128 1246 | Nov62 | BAR | Vanpatter,D.M.+ |
| Cr | Sigma | 1.0 | 6 | 1.2 | 6 | | | $He^3$ Spec | 3 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Cr | Sigma | 7.0 | 6 | 7.0 | 6 | | H(n,n) | 4Pi*σ(90°) | 21 | NP A100 257 | Jul67 | ALD | Towle,J.H.+ |
| Cr | Ang Distrib | 2.6 | 6 | 2.6 | 6 | | H(n,n) | CrystalScint | 1 | PR 94 144 | Apr54 | OXF | Elliot,F.A.+ |
| Cr | Ang Distrib | 2.4 | 6 | 2.4 | 6 | | H(n,n) | Biased Scint | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Cr | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 3 | PR 104 1069 | Nov56 | WES | Weddell. |
| Cr | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | | Nuc Emulsion | 6 | AE 3 106 | 57 | CCP | Sal'nikov. |
| Cr | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 22 | NP 68 97 | Jun65 | ORL | Stelson. |
| Cr | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 41 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| Cr | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | Arb Units | TimeOfFlight | 7 | INDC-260 106 | Feb69 | UKR | Pasechnik. |
| Cr | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | H(n,n) | TimeOfFlight | 1 | INDC-260 106 | Feb69 | UKR | Pasechnik. |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| Cr | Sigma | 3.2 | 6 | 3.2 | 6 | | | CrystalScint | 3 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Cr | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | CrystalScint | 3 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Cr | Ang Distrib | 9.8 | 5 | 3.3 | 6 | | Iron | Ring Geomtry | 79 | PR 128 1246 | Nov62 | BAR | Vanpatter,D.M.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| Cr | Sigma | 6.0 | 4 | 1.8 | 6 | | Carbon | Diff Sig Int | 22 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Cr | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cr | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cr | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cr | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cr | Scatt Amplitude | 4.5 | -4 | 4.5 | -4 | | | Mirror Refl * | 1 | ZN A 26 391 | Mar71 | MUN | Koester,L.+ |
| | (n,t) REACTION | | | | | | | | | | | | |
| Cr | Sigma | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation | 1 | HPA 36 298 | May63 | ETH | Heinrich,F.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| Cr | Sigma | 1.0 | 6 | 1.0 | 6 | | | Mass Spec * | 4 | WEITMAN 70J | Oct70 | AE | Weitman,J.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| Cr | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Cr | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Cr | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Activation | 1 | CR 232 2089 | May51 | PAR | Grimeland,B.+ |
| Cr | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Cr | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Cr | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| Cr | Sigma | 3.5 | 6 | 1.4 | 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Cr | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Cr | Sigma | 1.4 | 6 | 2.4 | 6 | | Absolute | Shell Trans | 4 | AE 12 62 | Jan62 | CCP | Abramov. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Cr | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Cr | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Cr | Sigma | 2.4 6 | 7.8 6 | | Absolute | Accelerator | 27 | BONNER 54 | 54 | RIC | Bonner. |
| Cr | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Cr | Sigma | 1.3 3 | 4.1 5 | S | Absolute | Accelerator | 405 | HIBDON 56F | Jun56 | ANL | Hibdon. |
| Cr | Sigma | 2.3 6 | 2.8 6 | | Absolute | Accelerator | 14 | BAP 2 232 | Apr57 | TEX | Bennett. |
| Cr | Sigma | 7.2 6 | 2.6 7 | S | Absolute | Biased Scint | 5 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Cr | Sigma | 3.0 3 | 4.1 5 | | Absolute | Accelerator | 472 | PR 108 414 | Oct57 | ANL | Hibdon. |
| Cr | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Cr | Sigma | 2.8 1 | 9.2 3 | | Absolute | TimeOfFlight | 132 | PR 111 288 | Jul58 | ANL | Cote. |
| Cr | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Cr | Sigma | 1.0 5 | 6.5 5 | | Absolute | Accelerator | 545 | ANL-7210 16 | Jun66 | ANL | Whalen,J.P.+ |
| Cr | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 240 | FOSTER 67E | May67 | BNW | Foster. |
| Cr | Sigma | 3.2 6 | 5.2 6 | | Absolute | Transmission | 46 | ARS 63 161 | Jun67 | JNE | Manero,F. |
| Cr | Sigma | 5.0 5 | 3.2 7 | | Absolute | TimeOfFlight* | 5114 | KFK-1000 S1 | Oct68 | KFK | Cierjacks,S.+ |
| | γ-WIDTH | | | | | | | | | | |
| Cr | $g\Gamma(\gamma)\Gamma(n)/\Gamma$ | 1.2 4 | 1.8 5 | | | | 20 | BAP 13 1390 | Nov68 | RPI | Hockenbury. |
| Cr | $\langle\Gamma(\gamma)\rangle$ | 8.0 4 | 8.0 4 | | | AreaAnalysis* | 1 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Cr | Resonance Energy | 1.0 5 | 3.4 5 | | | TimeOfFlight | 15 | ANL-5554 55 | Aug56 | ANL | Hibdon. |
| Cr | Resonance Energy | 1.6 3 | 2.5 5 | | | | 27 | BAP 13 1390 | Nov68 | RPI | Hockenbury. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Cr | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cr^{50}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Cr^{50}$ | Sigma | 2.9 0 | 5.7 4 | | σ(Thermal) | Slowing-Down | 44 | AE 16 256 | 64 | CCP | Kapchigashev,S.P.+ |
| $Cr^{50}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | AC 36 1588 | Jul64 | ISP | Girardi. |
| $Cr^{50}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Cr^{50}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Cr^{50}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | γ-Spectromet | 18 | YF 1 235 | Feb65 | CCP | Rudak,E.A.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Cr^{50}$ | Sigma | 9.8 5 | 3.3 6 | | Iron | $4\pi*\sigma(90°)$ | 10 | PR 128 1246 | Nov62 | BAR | Vanpatter,D.M.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Cr^{50}$ | Ang Distrib | 2.3 6 | 3.1 6 | | Arb Units | Ring Geomtry* | 5 | AWRE/O/71- 41 | Jul71 | ALD | Coles,R.E. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Cr^{50}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | BAP 3 365 | Nov58 | ANL | Rayburn. |
| $Cr^{50}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Cr^{50}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Cr^{50}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Cr^{50}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Cr^{50}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | AN.PROG.REP.63I | Sep63 | ARK | Nellis,D.O.+ |
| $Cr^{50}$ | Sigma | 1.4 7 | 2.0 7 | | | | 9 | BORMANN 65A | Jan65 | HAM | Bormann. |
| $Cr^{50}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Cr^{50}$ | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,np) REACTION | | | | | | | | | | |
| $Cr^{50}$ | Sigma | 1.4 7 | 1.4 7 | | Ratio | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Cr^{50}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,t) REACTION | | | | | | | | | | |
| $Cr^{50}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | CJC 39 684 | 61 | CAN | Baerg. |
| $Cr^{50}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cr^{50}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Cr^{50}$ | Sigma | 5.0 4 | 6.2 5 | | Absolute | Accelerator | 1150 | AP 37 367 | May66 | DKE | Parrell,J.A.+ |
| $Cr^{50}$ | Sigma | 2.6 4 | 2.9 5 | C | | MultiLvl Fit* | 5181 | PROEHNER 72A | Jan72 | KFK | Proehner,F.H.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Cr^{50}$ | $\Gamma(\gamma)$ | 5.5 3 | 5.5 3 | | | CaptureGamma | 1 | AE 16 256 | 64 | CCP | Kapchigashev,S.P.+ |
| | n-WIDTH | | | | | | | | | | |
| $Cr^{50}$ | $\Gamma(n)$ | 6.6 3 | 9.5 4 | | | AreaAnalysis | 5 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Cr^{50}$ | $\Gamma(n,l=0)$ | 6.6 3 | 9.5 4 | | | AreaAnalysis | 5 | AP 14 387 | 61 | DKE | Bilpuch. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Cr^{50}$ | $\Gamma$ | 5.5 3 | 5.5 3 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Cr^{50}$ | σ(0) | 5.5 3 | 5.5 3 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cr^{51}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | γ-Spectromet | 1 | YF 1 235 | Feb65 | CCP | Rudak,E.A.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| $Cr^{51}$ | Nucl Temperature | 1.4 7 | 1.4 7 | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cr^{52}$ | Sigma | 2.9 0 | 5.0 4 | | σ(Thermal) | Slowing-Down | 52 | AE 16 256 | 64 | CCP | Kapchigashev,S.P.+ |
| $Cr^{52}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | γ-Spectromet | 1 | YF 1 235 | Feb65 | CCP | Rudak,E.A.+ |
| $Cr^{52}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | γ-Spectromet | 10 | YF 1 235 | Feb65 | CCP | Rudak,E.A.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INEL SCATTERING | | | | | | | | | | | | |
| $Cr^{52}$ | Sigma | 2.0 | 6 | 3.3 | 6 | | Iron | 4Pi*σ(90°) | 27 | PR 128 1246 | Nov62 | BAR | Vanpatter,D.M.+ |
| $Cr^{52}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences* | 1 | APA 23 31 | May66 | IRK | Tagesen,S.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Cr^{52}$ | Sigma | 1.6 | 6 | 3.0 | 6 | | Iron | Ring Geomtry | 35 | AE 16 103 | Feb64 | OBN | Broder,D.L.+ |
| $Cr^{52}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Cr^{52}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Cr^{52}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | BAP 12 124 | Feb67 | WVU | Eddy,J.K.+ |
| $Cr^{52}$ | Ang Distrib | 1.5 | 6 | 3.8 | 6 | | Arb Units | Ring Geomtry* | 55 | AWRE/O/71- 41 | Jul71 | ALD | Coles,R.E. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Cr^{52}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation * | 1 | OSA 99 1 | Jan62 | IRK | Wenusch,R.+ |
| $Cr^{52}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | H(n,n) | Activation * | 10 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Cr^{52}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Cr^{52}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | Absolute | Activation | 28 | NP 10 226 | Mar59 | NRD | Kern,B.D.+ |
| $Cr^{52}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Cr^{52}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.63I | Sep63 | ARK | Nellis,D.O.+ |
| $Cr^{52}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $Cr^{52}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | NP 83 157 | Jul66 | BOS | Mitra,B.+ |
| $Cr^{52}$ | Sigma | 2.0 | 6 | 2.0 | 6 | | | Activation | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| $Cr^{52}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | JIN 29 2665 | Nov67 | ARK | Husain. |
| $Cr^{52}$ | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Cr^{52}$ | Ang Distr Direct | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| $Cr^{52}$ | (θ,E)-Distrib | 1.4 | 7 | 1.4 | 7 | | | * | 35 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | p-EMISSION | | | | | | | | | | | | |
| $Cr^{52}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | | | |
| $Cr^{52}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | 1 | NC 20 94 | Apr61 | MIL | Colli,L. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Cr^{52}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Cr^{52}$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 240 | FOSTER 67E | May67 | BNW | Foster. |
| $Cr^{52}$ | Sigma | 2.1 | 4 | 2.5 | 5 | C | | MultiLvl Fit* | 5281 | FROEHNER 72A | Jan72 | KFK | Froehner,F.H.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Cr^{52}$ | Γ(γ)σ(0) | 1.7 | 3 | 1.7 | 3 | | | CaptureGamma | 1 | AE 16 256 | 64 | CCP | Kapchigashev,S. |
| | n-WIDTH | | | | | | | | | | | | |
| $Cr^{52}$ | Γ(n) | 5.1 | 4 | 4.1 | 5 | | | TimeOfFlight | 11 | PR 108 414 | Oct57 | ANL | Hibdon. |
| $Cr^{52}$ | Γ(n) | 5.1 | 4 | 1.4 | 5 | | | AreaAnalysis | 3 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Cr^{52}$ | Γ(n,l=0) | 5.1 | 4 | 1.4 | 5 | | | AreaAnalysis | 3 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Cr^{52}$ | Γ(n,l=0) | 9.3 | 4 | 6.3 | 5 | | | AreaAnalysis | 13 | AP 17 319 | 62 | DKE | Bowman. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Cr^{52}$ | Γ | 1.2 | 5 | 1.2 | 5 | | | | 1 | AP 17 319 | 62 | DKE | Bowman. |
| $Cr^{52}$ | Γ | 1.2 | 5 | 6.4 | 5 | | | AreaAnalysis | 113 | AP 17 319 | 62 | DKE | Bowman. |
| $Cr^{52}$ | Γ | 9.3 | 4 | 6.3 | 5 | | | Shape Analys | 11 | AP 17 319 | 62 | DKE | Bowman. |
| $Cr^{52}$ | Γ | 7.5 | 5 | 9.0 | 5 | | | Breit-Wigner | 3 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Cr^{52}$ | Resonance Energy | 7.5 | 5 | 9.0 | 5 | | | Breit-Wigner* | 3 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| $Cr^{52}$ | Spin of Reson | 7.5 | 5 | 9.0 | 5 | | | Breit-Wigner | 3 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| $Cr^{52}$ | n-Orbit Ang Mom | 7.5 | 5 | 9.0 | 5 | | | Breit-Wigner | 6 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Cr^{53}$ | Sigma | 2.9 | 0 | 5.7 | 4 | | σ(Thermal) | Slowing-Down | 35 | AE 16 256 | 64 | CCP | Kapchigashev,S.P.+ |
| $Cr^{53}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | Arb Units | γ-Spectromet | 19 | YF 1 235 | Feb65 | CCP | Rudak,E.A.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| $Cr^{53}$ | Sigma | 9.8 | 5 | 3.3 | 6 | | Iron | 4Pi*σ(90°) | 45 | PR 128 1246 | Nov62 | BAR | Vanpatter,D.M.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Cr^{53}$ | Ang Distrib | 5.5 | 5 | 3.8 | 6 | | Arb Units | Ring Geomtry* | 70 | AWRE/O/71- 41 | Jul71 | ALD | Coles,R.E. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Cr^{53}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.63I | Sep63 | ARK | Nellis,D.O.+ |
| $Cr^{53}$ | Sigma | 2.0 | 6 | 2.0 | 6 | | | Activation | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| $Cr^{53}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | JIN 29 2665 | Nov67 | ARK | Husain. |
| $Cr^{53}$ | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,np) REACTION | | | | | | | | | | | | |
| $Cr^{53}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | JIN 29 2665 | Nov67 | ARK | Husain. |
| $Cr^{53}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | BAP 13 1663 | Dec68 | USA | Weber. |
| | (n,$He^3$) REACTION | | | | | | | | | | | | |
| $Cr^{53}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | BAP 13 1663 | Dec68 | USA | Weber. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Cr^{53}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Cr^{53}$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 248 | FOSTER 67E | May67 | BNW | Foster. |
| $Cr^{53}$ | Sigma | 1.7 | 4 | 3.6 | 5 | | Absolute | TimeOfFlight | 1657 | MULLER 70J | Oct70 | KFK | Froehner,F.H.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Cr^{53}$ | Γ(n) | 2.0 | 4 | 2.5 | 5 | | | MultiLvl Fit* | 30 | NP A164 97 | Mar71 | KFK | Mueller,K-N.+ |
| $Cr^{53}$ | 2gΓ(n) | 4.0 | 5 | 4.0 | 5 | | | TimeOfFlight | 1 | ANL-5550 55 | Aug56 | ANL | Hibdon. |
| $Cr^{53}$ | 2gΓ(n) | 3.6 | 3 | 2.9 | 4 | | | AreaAnalysis | 10 | 65ANTWRP- 99 | Jul65 | ORL | Good. |
| $Cr^{53}$ | 2gΓ(n) | 2.0 | 4 | 2.5 | 5 | | | MultiLvl Fit* | 30 | NP A164 97 | Mar71 | KFK | Mueller,K-N.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | | |
| $Cr^{53}$ | 2gΓ(n,l=0) | 3.6 | 3 | 2.9 | 4 | | | AreaAnalysis | 10 | 65ANTWRP- | 99 | Jul65 | ORL | Good. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Cr^{53}$ | Resonance Energy | 1.1 | 5 | 2.3 | 5 | | | TimeOfFlight | 3 | ANL-5554 | 55 | Aug56 | ANL | Hibdon. |
| $Cr^{53}$ | Resonance Energy | 6.9 | 4 | 6.9 | 4 | | | TimeOfFlight | 1 | PR 108 | 414 | Oct57 | ANL | Hibdon. |
| $Cr^{53}$ | Resonance Energy | 1.9 | 4 | 3.9 | 4 | | | TimeOfFlight | 6 | BAP 8 | 556 | 63 | ORL | Block. |
| $Cr^{53}$ | Resonance Energy | 2.0 | 4 | 2.5 | 5 | | | MultiLvl Fit* | 30 | NP A164 | 97 | Mar71 | KFK | Mueller,K-N.+ |
| $Cr^{53}$ | Spin of Reson | 2.0 | 4 | 2.5 | 5 | | | MultiLvl Fit* | 30 | NP A164 | 97 | Mar71 | KFK | Mueller,K-N.+ |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Cr^{53}$ | Strength Fn(l=0) | 1.0 | 4 | 1.0 | 4 | | | TimeOfFlight | 1 | PR 111 | 288 | Jul58 | ANL | Cote. |
| $Cr^{53}$ | Strength Fn(l=0) | 2.5 | 5 | 2.5 | 5 | | | MultiLvl Fit* | 1 | NP A164 | 97 | Mar71 | KFK | Mueller,K-N.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | | |
| $Cr^{53}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NP 24 | 274 | Apr61 | HAR | Allan,D.L. |
| $Cr^{53}$ | Permi Param: a | 1.4 | 7 | 1.4 | 7 | | | * | 1 | 65ANTWRP- | 110 | Jul65 | HAM | Bormann,M.+ |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Cr^{54}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 72 | 888 | Nov47 | ANL | Seren,L.+ |
| | INEL SCATTERING | | | | | | | | | | | | | |
| $Cr^{54}$ | Sigma | 9.8 | 5 | 3.3 | 6 | | Iron | 4Pi*σ(90°) | 10 | PR 128 | 1246 | Nov62 | BAR | Vanpatter,D.M.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | | |
| $Cr^{54}$ | Ang Distrib | 1.8 | 6 | 3.6 | 6 | | Arb Units | Ring Geomtry* | 8 | AWRE/O/71- | 41 | Jul71 | ALD | Coles,R.E. |
| | (n,2n) REACTION | | | | | | | | | | | | | |
| $Cr^{54}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Nuc Emulsion | 1 | PPS 70 | 195 | 57 | HAR | Allan. |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Cr^{54}$ | Sigma | 2.0 | 6 | 2.0 | 6 | | Norm To Abs | Activation | 1 | EANDC/E- | 66 34 | Feb66 | MUN | Rau,G. |
| $Cr^{54}$ | Sigma | 2.0 | 6 | 2.0 | 6 | | | Activation | 1 | NUK 9 | 228 | Mar67 | MUN | Rau,G. |
| $Cr^{54}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | JIN 29 | 2665 | Nov67 | ARK | Husain. |
| | (n,d) REACTION | | | | | | | | | | | | | |
| $Cr^{54}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Count Telesc | 1 | NP 46 | 73 | Jul63 | MIL | Colli,L.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Cr^{54}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | JIN 29 | 2665 | Nov67 | ARK | Husain. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Cr^{54}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 2 | PR 88 | 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $Cr^{54}$ | Sigma | 1.0 | 5 | 6.0 | 5 | | Absolute | Accelerator | 1000 | AP 37 | 367 | May66 | DKE | Parrell,J.A.+ |
| | n-WIDTH | | | | | | | | | | | | | |
| $Cr^{54}$ | Γ(n) | 2.3 | 4 | 1.2 | 5 | | | AreaAnalysis | 3 | AP 14 | 387 | 61 | DKE | Bilpuch. |
| $Cr^{54}$ | Γ(n,l=0) | 2.3 | 4 | 1.2 | 5 | | | AreaAnalysis | 3 | AP 14 | 387 | 61 | DKE | Bilpuch. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | CJC 31 204 | 53 | CR | Bartholomew. |
| Mn55 | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | ZN A 13 820 | 58 | GER | Meister. |
| Mn55 | Sigma | 2.0 5 | 4.0 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| Mn55 | Sigma | 2.0 4 | 2.0 4 | | | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| Mn55 | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | | | 1 | CR 247 1849 | Nov58 | FR | Avignon,P.+ |
| Mn55 | Sigma | 4.0 4 | 3.5 6 | | | Activation | 2 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Mn55 | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| Mn55 | Sigma | 1.5 5 | 5.5 6 | | $U^{235}$(n,f) | Activation | 18 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| Mn55 | Sigma | 1.5 5 | 5.5 6 | N | $U^{235}$(n,f) | Activation | 18 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Mn55 | Sigma | 2.4 4 | 1.8 6 | | $U^{235}$(n,f) | Activation | 20 | AE 10 508 | May61 | CCP | Stavisskii. |
| Mn55 | Sigma | 2.4 4 | 1.8 6 | N | $U^{235}$(n,f) | Activation | 20 | AE 10 508 | May61 | CCP | Stavisskii. |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 2 | WASH-1041 37 | Oct62 | MTR | Berreth. |
| Mn55 | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Ion Chamber | 3 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| Mn55 | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NP 66 267 | May65 | MUA | Chaubey,A.K.+ |
| Mn55 | Sigma | 2.5 -2 | 3.0 4 | | $Pu^{239}$ | Activation | 2 | AE 19 292 | Sep65 | CCP | Stavisskii,Yu.Ya.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| Mn55 | Sigma | 1.3 7 | 1.5 7 | | σ(E≠E(th)) | Activation * | 7 | NP A 95 229 A | Mar67 | DEB | Csikai,J.+ |
| Mn55 | Sigma | 3.0 6 | 3.0 6 | | $P^{31}$(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| Mn55 | Sigma | 9.7 5 | 1.9 7 | | $U^{235}$(n,f) | Activation | 17 | PR 163 1299 | Nov67 | LOK | Menlove. |
| Mn55 | Sigma | 9.0 3 | 5.4 5 | | $U^{235}$(n,f) | Activation | 11 | JNE 22 267 | May68 | ANL | Stupegia. |
| Mn55 | Sigma | 2.9 6 | 2.9 6 | | Indium | Activation * | 1 | OSA 105 236 | Jun68 | IRK | Colditz,J.+ |
| Mn55 | Sigma | 8.1 3 | 4.5 4 | | Indium | TimeOfFlight* | 29 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| Mn55 | Sigma | 4.2 5 | 3.4 6 | | $U^{235}$(n,f) | Activation | 21 | AE 26 67 | Jan69 | OBN | Dovbenko. |
| Mn55 | Reson Integral | 5.0 2 | 5.0 2 | | σ(Thermal) | Proportion C* | 1 | JNE 14 53 | Apr61 | AE | |
| Mn55 | Reson Integral | 5.0 -1 | 5.0 -1 | | | Activation | 1 | GA-3069 | Sep62 | GA | Sampson. |
| Mn55 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 2 | WASH-1041 37 | Oct62 | MTR | Berreth. |
| Mn55 | Reson Integral | 6.8 -1 | 6.8 -1 | | Au(n,γ) | Activation | 1 | EANDC/E- 66 39 | Feb66 | MUN | Schmelz,H.+ |
| Mn55 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | | 1 | 68WASH- 253 | Mar68 | BNL | Sher. |
| Mn55 | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | AKE 15 83 | Feb70 | GFK | Breitenhuber,L.+ |
| Mn55 | Reson Integral | 6.3 -1 | 6.3 -1 | | Au(n,γ) | Activation | 1 | NST 7 126 | Mar70 | KTO | Nanjyo,T. |
| Mn55 | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | γ-Spectromet | 40 | AE 3 187 | Sep57 | CCP | Groshev,L.V.+ |
| | γ,EMISSION | | | | | | | | | | |
| Mn55 | Ang Distrib | 1.8 6 | 1.8 6 | | | γ-Spectromet | 8 | ORO/2791-26 | Aug67 | TNC | |
| Mn55 | Ang Distrib | 1.8 6 | 1.8 6 | | At one Angle | γ-Spectromet | 15 | ORO/2791-26 | Aug67 | TNC | |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Mn55 | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Mn55 | Sigma | 2.5 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 8 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Mn55 | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 1 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Mn55 | Ang Distrib | 6.8 5 | 1.2 6 | | Carbon | Biased Scint | 520 | BAP 10 576 A | Jun65 | ANL | Cox,S.A. |
| Mn55 | Ang Distrib | 3.2 6 | 3.2 6 | | | | 14 | NP 89 154 | 66 | BCM | Becker. |
| Mn55 | Ang Distrib | 9.8 5 | 9.8 5 | | Carbon | Biased Scint | 1 | COX 66D | Apr66 | ANL | Cox. |
| Mn55 | Ang Distrib | 2.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 156 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Mn55 | Legendre Fit | 2.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 69 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Mn55 | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Mn55 | Sigma | 2.5 6 | 2.5 6 | | | CrystalScint | 3 | PM 1 261 | Jan56 | OKP | Beghian,L.E.+ |
| Mn55 | Sigma | 2.2 6 | 2.2 6 | | | Diff Sig Int | 5 | PL 4 211 | Apr63 | KTY | Lamb,R.C.+ |
| Mn55 | Sigma | 4.0 5 | 1.2 6 | | | $He^3$ Spec | 5 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Mn55 | Sigma | 1.8 6 | 2.2 6 | | | | 7 | NP A107 153 | Jan68 | KTY | Barrows. |
| Mn55 | Sigma | 2.0 6 | 4.5 6 | | H(n,n) | TimeOfFlight* | 72 | 70HELSNK/II-349 | Jun70 | AE | Almen,E.+ |
| Mn55 | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 3 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Mn55 | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 2 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Mn55 | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 51 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Mn55 | Sigma | 2.0 5 | 1.2 6 | | | Accelerator | 9 | PR 101 103 | Jan56 | WIS | Van Loef. |
| Mn55 | Sigma | 1.2 6 | 2.5 6 | | Iron | CrystalScint | 16 | NP 13 74 | 59 | BAR | Nath. |
| Mn55 | Sigma | 2.9 6 | 2.9 6 | | | Diff Sig Int | 2 | PR 124 1531 | Dec61 | KTY | Boring,J.W.+ |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | JNE 19 447 | Jun65 | GLS | Martin,P.W.+ |
| Mn55 | Sigma | 1.8 6 | 2.2 6 | | Iron | Diff Sig Int | 11 | NP A107 153 | Jan68 | KTY | Barrows. |
| Mn55 | Ang Distrib | 2.5 6 | 2.5 6 | | $Co^{59}$ | | 7 | SCHERRER 55J | Oct55 | NRL | Scherrer. |
| Mn55 | Ang Distrib | 2.9 6 | 2.9 6 | | | CrystalScint | 10 | PR 124 1531 | Dec61 | KTY | Boring,J.W.+ |
| Mn55 | Ang Distrib | 1.8 6 | 1.8 6 | | At one Angle | Ge(Li)Detect | 15 | ORO/2791-26 (2) | Aug67 | TNC | Morgan. |
| Mn55 | Ang Distrib | 1.0 6 | 1.8 6 | | H(n,n) | Ge(Li)Detect | 9 | ORO/2791-26 (2) | Aug67 | TNC | Morgan. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Mn55 | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mn55 | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mn55 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mn55 | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mn55 | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | $Cf^{252}$(Nu) | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | AUJ 13 186 | 60 | CBR | Weigold. |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | OSA 99 1 | Jan62 | IRK | Wenusch,R.+ |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | EANDC/E- 49 83 | Oct63 | PR | Granger,B.+ |
| Mn55 | Sigma | 1.0 6 | 1.0 6 | | | | 1 | EANDC/E- 57 69 | Feb65 | MOL | Pabry. |
| Mn55 | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation * | 23 | JNE 19 907 | Nov65 | GRL | Paulsen. |
| Mn55 | Sigma | 1.3 7 | 1.3 7 | S | Al(n,alpha) | Activation | 2 | MENLOVE 66H | Aug66 | LOK | Menlove. |
| Mn55 | Sigma | 1.3 7 | 1.3 7 | S | $U^{235}$(n,f) | Activation | 8 | MENLOVE 66H | Aug66 | LOK | Menlove. |
| Mn55 | Sigma | 1.3 7 | 1.3 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| Mn55 | Sigma | 1.3 7 | 1.3 7 | | $U^{235}$(n,f) | Activation | 10 | PR 163 1308 | Nov67 | LOK | Menlove. |
| Mn55 | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| Mn55 | Sigma | 1.3 7 | 1.3 7 | | Absolute | Activation * | 8 | NP A130 195 | Jun69 | HAM | Bormann,M.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | H(n,n) | Activation * | 1 | NP A138 387 | Dec69 | LRL | Barrall. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | |
| Mn55 | Sigma | 1.0 6 | 1.0 6 | | Ni58(n,p) | Activation * | 1 | RCA 13 169 | Jun70 | KJL | Steinnes,E. |
| Mn55 | Sigma | 1.0 6 | 1.0 6 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | CR 247 1849 | Nov58 | FR | Avignon,P.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | C | Cu63(n,2n) | Activation | 1 | AUJ 13 186 | 60 | CBR | Weigold. |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | | | 1 | LANGMANN 62I | Sep62 | HAM | Langmann. |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Cu63(n,2n) | Activation * | 1 | NP 83 157 | Jul66 | BOS | Mitra,B.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Cu63(n,2n) | Activation | 1 | ZP 199 275 | Jan67 | TUR | Minetti,B.+ |
| Mn55 | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| Mn55 | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | | * | 32 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,2p) REACTION | | | | | | | | | | |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | p-EMISSION | | | | | | | | | | |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | CR 247 1849 | Nov58 | FR | Avignon,P.+ |
| Mn55 | Ang Distrib | 1.4 7 | 1.4 7 | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | |
| Mn55 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 1 | NP 46 73 | Jul63 | MIL | Colli,L.+ |
| | (n,t) REACTION | | | | | | | | | | |
| Mn55 | Sigma | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation | 1 | HPA 36 298 | May63 | ETH | Heinrich,P.+ |
| | (n,He3) REACTION | | | | | | | | | | |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | S | Another Reac | Activation | 1 | PR 117 1568 | Mar60 | ARK | Kumabe. |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Accelerator * | 1 | APA 20 304 | Aug65 | IRK | Prevert,R. |
| | (n,alpha) REACTION | | | | | | | | | | |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | C | Absolute | Nuc Emulsion | 1 | JPJ 13 325 | Apr58 | KTO | Kumabe,I.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Cu63(n,2n) | Activation | 1 | AUJ 13 186 | 60 | CBR | Weigold. |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| Mn55 | Sigma | 1.2 7 | 1.8 7 | | | Activation | 13 | PR 128 1276 | Nov62 | KTY | Gabbard. |
| Mn55 | Sigma | 1.3 7 | 1.9 7 | | σ(E≠E(th)) | Activation * | 9 | NP 63 438 | Mar65 | HAM | Bormann,M.+ |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Activation * | 1 | NP 63 438 | Mar65 | HAM | Bormann,M.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 66 419 | May65 | GER | Peil,A.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Accelerator * | 1 | APA 20 304 | Aug65 | IRK | Prevert,R. |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Cu63(n,2n) | Activation | 1 | ZP 199 275 | Jan67 | TUR | Minetti,B.+ |
| | alpha-EMISSION | | | | | | | | | | |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | C | Absolute | Nuc Emulsion | 1 | JPJ 13 129 | Feb58 | KTO | Kumabe,I.+ |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | NP 39 325 | 62 | SAH | Kaul,O.N. |
| Mn55 | Ang Distrib | 1.5 7 | 1.5 7 | | Absolute | Nuc Emulsion | 9 | JPJ 13 129 | Feb58 | KTO | Kumabe,I.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Activation | 1 | CR 232 2089 | May51 | PAR | Grimeland,B.+ |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | NKA 8 437 | 63 | POL | Jozefowicz. |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | NKA 8 443 | 63 | POL | |
| Mn55 | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | KE 6 336 | Oct63 | ROS | Huettel,G.+ |
| Mn55 | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Mn55 | Reson Integral | 5.0 -1 | 5.0 -1 | | Boron | Pile Oscilat | 1 | EANDC/E- 57 170 | Feb65 | PAR | Vidal,R. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Mn55 | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 19 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Mn55 | Sigma | 8.0 4 | 9.9 5 | | Absolute | Accelerator | 173 | PR 84 902 | Dec51 | ANL | Stubbins. |
| Mn55 | Sigma | 2.6 4 | 8.0 4 | | Absolute | Accelerator | 26 | PR 85 595 | Feb52 | ANL | Hibdon. |
| Mn55 | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Mn55 | Sigma | 2.7 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Mn55 | Sigma | 1.4 3 | 1.0 5 | | Absolute | Accelerator | 136 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| Mn55 | Sigma | 5.6 2 | 2.2 3 | | Absolute | TimeOfFlight | 93 | YEATER 58B | Feb58 | KAP | Yeater. |
| Mn55 | Sigma | 8.4 2 | 9.7 3 | | Absolute | TimeOfFlight | 96 | PIRK 58C | Mar58 | HAR | Firk. |
| Mn55 | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Mn55 | Sigma | 5.8 2 | 1.0 6 | | Absolute | TimeOfFlight | 3552 | BAP 8 334 | Apr63 | COL | Singh. |
| Mn55 | Sigma | 5.8 2 | 8.9 6 | P | Absolute | TimeOfFlight | 8259 | BAP 8 334 | Apr63 | COL | Singh. |
| Mn55 | Sigma | 9.5 -3 | 2.0 4 | | Absolute | TimeOfFlight | 420 | PR 134B1047 | Jun64 | ANL | Cote. |
| Mn55 | Sigma | 9.5 5 | 1.7 6 | | Absolute | Transmission* | 16 | PPA 3 84 | Dec66 | DAC | Enayetullah,M.+ |
| Mn55 | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 248 | FOSTER 67E | May67 | BNW | Foster. |
| Mn55 | Sigma | 8.0 5 | 1.2 6 | | Absolute | TimeOfFlight | 91 | NP A102 92 | Sep67 | FR | Cabe. |
| Mn55 | Sigma | 3.3 6 | 5.1 6 | | Absolute | Transmission | 62 | ARS 64 373 | Dec68 | JNE | |
| Mn55 | Sigma | 5.0 5 | 3.2 7 | | Absolute | TimeOfFlight* | 5129 | KFK-1000 S2 | Feb69 | KFK | Cierjacks,S.+ |
| Mn55 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| Mn55 | Sigma | 4.8 4 | 2.6 5 | | Absolute | TimeOfFlight | 959 | MULLER 70J | Oct70 | KFK | Froehner,F.H.+ |
| | γ-WIDTH | | | | | | | | | | |
| Mn55 | Γ(γ) | 3.4 2 | 3.4 2 | | | Scattering | 1 | PR 80 1014 | Dec50 | ANL | Hariss,S.P.+ |
| Mn55 | Γ(γ) | 3.5 2 | 3.5 2 | | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| Mn55 | <Γ(γ)> | 5.0 4 | 5.0 4 | | | AreaAnalysis* | 1 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| | n-WIDTH | | | | | | | | | | |
| Mn55 | Γ(n) | 3.4 2 | 2.4 3 | | | Scattering | 2 | PR 80 1014 | Dec50 | ANL | Hariss,S.P.+ |
| Mn55 | Γ(n) | 3.5 2 | 3.5 2 | | | AreaAnalysis | 2 | PR 95 476 | Jul54 | BNL | Seidl. |
| Mn55 | Γ(n) | 3.4 2 | 8.9 3 | | | | 5 | 65ANTWRP- 86 | Jul65 | SAC | Morgenstern,J.+ |
| Mn55 | Γ(n) | 3.4 2 | 8.9 3 | | | AreaAnalysis | 5 | GARG 66 | 66 | COL | Garg,J.B. |
| Mn55 | Γ(n) | 5.3 4 | 2.1 5 | | Absolute | MultiLvl Fit | 42 | 66PARIS/I- 137 | Oct66 | KFK | Rohr,G.+ |
| Mn55 | Γ(n) | 1.8 4 | 7.4 4 | | | AreaAnalysis | 16 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| Mn55 | gΓ(n) | 1.8 4 | 7.4 4 | | | AreaAnalysis | 25 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| Mn55 | 2gΓ(n) | 1.8 4 | 7.4 4 | | | | 24 | 65ANTWRP- 86 | Jul65 | SAC | Morgenstern,J.+ |
| Mn55 | Γ(n,l=0) | 3.4 2 | 2.4 3 | | | TimeOfFlight | 3 | PR 100 126 | Oct55 | ANL | Bollinger,L.M.+ |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | |
| $Mn^{55}$ | $\Gamma(n,l=0)$ | -2.8 | 3 | 8.7 | 3 | | | 7 | PR 134B1047 | Jun64 | ANL | Cote. |
| $Mn^{55}$ | $\Gamma(n,l=0)$ | 3.4 | 2 | 8.9 | 3 | | AreaAnalysis | 5 | GARG 66 | 66 | COL | Garg,J.B. |
| $Mn^{55}$ | $\Gamma(n,l=0)$ | 1.8 | 4 | 7.4 | 4 | | AreaAnalysis | 16 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Mn^{55}$ | $g\Gamma(n,l=0)$ | 1.8 | 4 | 7.4 | 4 | | AreaAnalysis | 25 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Mn^{55}$ | $2g\Gamma(n,l=0)$ | 1.8 | 4 | 7.4 | 4 | | | 24 | 65ANTWRP- 86 | Jul65 | SAC | Morgenstern,J.+ |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Mn^{55}$ | $\Gamma$ | 3.4 | 2 | 2.4 | 3 | | TimeOfFlight | 3 | PR 100 126 | Oct55 | ANL | Bollinger,L.M.+ |
| $Mn^{55}$ | $\Gamma$ | 2.4 | 3 | 3.5 | 4 | | AreaAnalysis | 11 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| $Mn^{55}$ | $\Gamma_\sigma(0)$ | 2.4 | 3 | 2.4 | 3 | | TimeOfFlight | 1 | PR 100 126 | Oct55 | ANL | Bollinger,L.M.+ |
| $Mn^{55}$ | $\Gamma^2_\sigma(0)$ | 3.5 | 2 | 2.6 | 3 | | | 2 | KAPL-1084 47 | Mar54 | KAP | Yeater,M.L.+ |
| $Mn^{55}$ | $\Gamma^2_\sigma(0)$ | 3.5 | 2 | 3.5 | 2 | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Mn^{55}$ | $\Gamma^2_\sigma(0)$ | 3.4 | 2 | 1.1 | 3 | | TimeOfFlight | 2 | PR 100 126 | Oct55 | ANL | Bollinger,L.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Mn^{55}$ | Resonance Energy | 1.0 | 3 | 1.0 | 3 | | | 1 | KAPL-1084 47 | Mar54 | KAP | Yeater,M.L.+ |
| $Mn^{55}$ | Resonance Energy | 3.4 | 2 | 1.9 | 5 | | TimeOfFlight | 44 | CR-1860 | 64 | COL | Garg. |
| $Mn^{55}$ | Resonance Energy | 4.9 | 3 | 1.2 | 5 | | AreaAnalysis* | 49 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Mn^{55}$ | Spin of Reson | 3.4 | 2 | 2.4 | 3 | | Scattering | 2 | PR 80 1014 | Dec50 | ANL | Hariss,S.P.+ |
| $Mn^{55}$ | Spin of Reson | 3.4 | 2 | 2.4 | 3 | | | 3 | PR 100 126 | Oct55 | ANL | Bollinger,L.M.+ |
| $Mn^{55}$ | Spin of Reson | 2.4 | 3 | 2.4 | 3 | | AreaAnalysis | 1 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| $Mn^{55}$ | Spin of Reson | 1.1 | 3 | 6.0 | 4 | | TimeOfFlight | 20 | CR-1860 | 64 | COL | Garg. |
| $Mn^{55}$ | Spin of Reson | -2.8 | 3 | 8.7 | 3 | | | 7 | PR 134B1047 | Jun64 | ANL | Cote. |
| $Mn^{55}$ | Spin of Reson | 3.4 | 2 | 8.9 | 3 | | AreaAnalysis | 5 | GARG 66 | 66 | COL | Garg,J.B. |
| $Mn^{55}$ | Spin of Reson | 5.3 | 4 | 2.1 | 5 | Absolute | MultiLvl Fit | 42 | 66PARIS/I- 137 | Oct66 | KFK | Rohr,G.+ |
| $Mn^{55}$ | Spin of Reson | 1.8 | 4 | 7.4 | 4 | | AreaAnalysis | 16 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Mn^{55}$ | Strength Fn(l=0) | 7.5 | 3 | 7.5 | 3 | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| $Mn^{55}$ | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Mn^{55}$ | Strength Fn(l=0) | 2.1 | 5 | 2.1 | 5 | | | 6 | NP A104 1 | Nov67 | KFK | Rohr,G.+ |
| $Mn^{55}$ | Strength Fn(l=0) | 7.4 | 4 | 7.4 | 4 | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Mn^{55}$ | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Mn^{55}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Mn^{56}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | Nuc Emulsion* | 1 | NP 39 263 | Dec62 | IRK | Patzak,W.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Fe | Sigma | 2.5 | 4 | 8.3 | 5 | | | Shell Trans | 2 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Fe | Sigma | 2.2 | 5 | 2.2 | 5 | S | | Shell Trans | 1 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Fe | Sigma | 2.2 | 5 | 2.2 | 5 | | Absolute | Shell Trans | 1 | AE 8 549 | 60 | CCP | Belanova. |
| Fe | Sigma | 2.7 | -1 | 7.2 | 4 | | Absolute | Slowing-Down | 127 | ZET 38 989 | Mar60 | LEB | Isakov. |
| Fe | Sigma | 1.7 | 5 | 1.0 | 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Fe | Sigma | 3.6 | 4 | 8.1 | 5 | | | Ring Geomtry | 12 | AE 10 264 | Mar61 | CCP | Stavisskii. |
| Fe | Sigma | 3.6 | 4 | 8.1 | 5 | N | | Ring Geomtry | 12 | AE 10 264 | Mar61 | CCP | Stavisskii. |
| Fe | Sigma | 3.0 | 4 | 6.5 | 4 | | Iron | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Fe | Sigma | 3.7 | 4 | 1.5 | 6 | | | Ring Geomtry | 28 | AE 17 508 | Dec64 | CCP | Malyshev. |
| Fe | Sigma | 8.0 | 1 | 2.0 | 4 | | | Slowing-Down | 34 | NUK 6 371 | Dec64 | KFK | Mitzel,F.+ |
| Fe | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | EANDC/E- 76 106 | Jan67 | MOL | Fabry,A.+ |
| Fe | Sigma | 1.3 | 5 | 1.8 | 5 | | $Ta^{181}$ | Liquid Scint | 3 | PR 159 1007 | Jul67 | ORL | Macklin. |
| Fe | Sigma | 2.5 | 3 | 1.9 | 5 | | | TimeOfFlight | 3264 | BLOCK 68E | May68 | RPI | Block. |
| | γ,EMISSION | | | | | | | | | | | | |
| Fe | Sigma | 2.3 | 6 | 2.9 | 6 | | Copper | Ion Chamber | 7 | JMJ 23 925 | 41 | JAP | Nonaka,I. |
| Fe | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 6 | YF 3 861 | May66 | CCP | Bezotosnyi,V.M.+ |
| Fe | Sigma | 6.0 | 6 | 7.5 | 6 | | | γ-Spectromet | 3 | NSE 40 294 | May70 | LAS | Drake. |
| Fe | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | γ-Spectromet | 8 | NSE 8 173 | Sep60 | SOC | Caldwell. |
| Fe | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 11 | TNC-2791 | Feb62 | TNC | Nellis. |
| Fe | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | TimeOfFlight | 9 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| Fe | Ang Distrib | 5.5 | 6 | 8.5 | 6 | | Carbon | CrystalScint | 40 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Fe | Ang Distrib | 3.5 | 6 | 4.5 | 6 | | Lead | CrystalScint | 8 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Fe | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 12 | USNRDL- 861 | Jun65 | NRD | Thompson. |
| Fe | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Carbon | Ge(Li)Detect* | 19 | AP 39 295 | Apr69 | LND | Joensson,B.+ |
| Fe | Ang Distrib | 4.0 | 6 | 7.7 | 6 | | | γ-Spectromet | 86 | NSE 40 294 | May70 | LAS | Drake. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Fe | Sigma | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 1 | PR 92 114 | Oct53 | BAR | Whitehead. |
| Fe | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Fe | Sigma | 4.1 | 6 | 4.1 | 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Fe | Sigma | 2.3 | 6 | 2.4 | 6 | | H(n,n) | TimeOfFlight | 2 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Fe | Sigma | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 1 | AE 3 498 | 57 | CCP | Popov. |
| Fe | Sigma | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| Fe | Sigma | 3.7 | 6 | 4.7 | 6 | | | Diff Sig Int | 3 | WADC/TR/59- 31 | Feb59 | TNC | Bostrom. |
| Fe | Sigma | 3.7 | 6 | 3.7 | 6 | | | Diff Sig Int | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Fe | Sigma | 2.2 | 5 | 2.2 | 5 | | | Ring Geomtry | 1 | ZET 38 1434 | May60 | CCP | Lovchikova. |
| Fe | Sigma | 3.0 | 5 | 3.0 | 5 | | | Diff Sig Int | 1 | UFZ 8 1389 | 63 | UKR | Korzh. |
| Fe | Sigma | 5.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 2 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Fe | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Fe | Sigma | 6.0 | 6 | 6.0 | 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Fe | Sigma | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 26 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Fe | Sigma | 9.8 | 5 | 4.0 | 6 | | H(n,n) | TimeOfFlight | 4 | NP 64 130 | Mar65 | ALD | Gilboy,W.B.+ |
| Fe | Sigma | 2.0 | 6 | 2.0 | 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Fe | Sigma | 3.2 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 95 | NP A118 321 | Oct68 | ANL | Barnard. |
| Fe | Sigma | 3.0 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight* | 5 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Fe | Sigma | 1.8 | 6 | 2.8 | 6 | | H(n,n) | TimeOfFlight* | 5 | AE- 385 | Sep70 | AE | Holmqvist,B.+ |
| Fe | Ang Distrib | 1.9 | 6 | 1.9 | 6 | | | Nuc Emulsion | 1 | PR 86 132 | Apr52 | MIT | Stelson,P.H.+ |
| Fe | Ang Distrib | 2.5 | 6 | 2.5 | 6 | | | Ring Geomtry | 1 | PM 43 1060 | Oct52 | HAR | Poole,M.J. |
| Fe | Ang Distrib | 3.7 | 6 | 3.7 | 6 | S | | Ring Geomtry | 35 | PR 92 114 | Oct53 | BAR | Whitehead. |
| Fe | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Fe | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Ring Geomtry | 5 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| Fe | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 1 | PR 98 582 | May55 | WES | Jennings,B.+ |
| Fe | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | Biased Scint | 11 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Fe | Ang Distrib | 1.5 | 6 | 1.5 | 6 | | | Ring Geomtry | 1 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Fe | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 11 | PR 101 684 | Jan56 | NRL | Elliot,J.O. |
| Fe | Ang Distrib | 6.5 | 6 | 6.5 | 6 | | | Nuc Emulsion | 1 | BAP 1 55 | Feb56 | WES | Weddell,J.B.+ |
| Fe | Ang Distrib | 2.3 | 6 | 2.4 | 6 | | H(n,n) | Biased Scint | 25 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Fe | Ang Distrib | 1.5 | 6 | 1.7 | 6 | | σ(Tot-React) | Biased Scint | 54 | PR 103 720 | Aug56 | BNL | Muehlhouse. |
| Fe | Ang Distrib | 1.7 | 6 | 1.7 | 6 | | σ(Tot-React) | Ring Geomtry | 1 | PR 103 720 | Aug56 | BNL | Muehlhouse. |
| Fe | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 1 | BAP 1 339 | Nov56 | WES | Weddell. |
| Fe | Ang Distrib | 2.5 | 6 | 7.0 | 6 | | | Proportion C | 31 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Fe | Ang Distrib | 9.0 | 5 | 9.0 | 5 | | | Ring Geomtry | 5 | AE 2 174 | 57 | CCP | Lovchikova. |
| Fe | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | | Nuc Emulsion | 5 | AE 3 106 | 57 | CCP | Sal'nikov. |
| Fe | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 6 | AE 3 498 | 57 | CCP | Popov. |
| Fe | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 16 | DOK 113 553 | 57 | CCP | Khaletskii. |
| Fe | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | | Biased Scint | 13 | PR 109 2105 | Mar58 | WES | Hill. |
| Fe | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | | Ring Geomtry | 6 | PR 109 2105 | Mar58 | WES | Hill. |
| Fe | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 40 | PR 110 160 | Apr58 | LRL | Anderson,J.D.+ |
| Fe | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 46 | PR 111 250 | Jul58 | LAS | Coon. |
| Fe | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | | Ring Geomtry | 8 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| Fe | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 12 | JPJ 13 1248 | Nov58 | KON | Yuasa,K. |
| Fe | Ang Distrib | 2.2 | 6 | 2.2 | 6 | | σ(Total) | Biased Scint | 14 | PR 112 1192 | Nov58 | BNL | Landon. |
| Fe | Ang Distrib | 3.7 | 6 | 4.7 | 6 | | H(n,n) | Biased Scint | 12 | WADC/TR/59- 31 | Feb59 | TNC | Bostrom. |
| Fe | Ang Distrib | 4.2 | 6 | 4.2 | 6 | | H(n,n) | Biased Scint | 12 | WADC/TR/59- 31 | Feb59 | TNC | Bostrom. |
| Fe | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 24 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Fe | Ang Distrib | 2.2 | 5 | 2.2 | 5 | | | Ring Geomtry | 5 | ZET 38 1434 | May60 | CCP | Lovchikova. |
| Fe | Ang Distrib | 6.0 | 6 | 6.0 | 6 | S | Carbon | TimeOfFlight | 14 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Fe | Ang Distrib | 2.5 | 7 | 2.5 | 7 | | | Biased Scint | 27 | PR 125 276 | Jan62 | LRL | Stuart. |
| Fe | Ang Distrib | 3.0 | 5 | 3.0 | 5 | | | Threshold C | 8 | UFZ 8 1389 | 63 | UKR | Korzh. |
| Fe | Ang Distrib | 7.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 1 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Fe | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Fe | Ang Distrib | 6.8 | 5 | 1.2 | 6 | | Carbon | Biased Scint | 536 | BAP 8 478 | Aug63 | ANL | Grench. |
| Fe | Ang Distrib | 7.3 | 5 | 9.8 | 5 | | Absolute | CrystalScint | 244 | PR 131 1644 | Aug63 | STP | Wells. |
| Fe | Ang Distrib | 5.0 | 5 | 8.0 | 5 | | | Threshold C | 16 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Fe | Ang Distrib | 2.0 | 6 | 5.0 | 6 | | H(n,n) | TimeOfFlight | 7 | NSE 19 431 | Aug64 | LAS | Hopkins. |
| Fe | Ang Distrib | 6.0 | 6 | 6.0 | 6 | | Carbon | TimeOfFlight | 14 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Fe | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 14 | NP 89 154 | 66 | BCM | Becker. |
| Fe | Ang Distrib | 4.5 | 5 | 2.3 | 6 | | H(n,n) | TimeOfFlight* | 264 | NP 84 239 | Aug66 | GEL | Jacquot,A.+ |
| Fe | Ang Distrib | 9.4 | 5 | 1.2 | 6 | | Carbon | TimeOfFlight | 187 | NP A118 321 | Oct68 | ANL | Barnard. |
| Fe | Ang Distrib | 1.4 | 6 | 3.3 | 6 | | H(n,n) | TimeOfFlight | 59 | NP A125 641 | Mar69 | JAE | Tsukada,K.+ |
| Fe | Ang Distrib | 3.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 93 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Fe | Ang Distrib | 1.4 | 6 | 2.2 | 6 | | H(n,n) | TimeOfFlight* | 225 | 70HELSNK/II-301 | Jun70 | JAE | Tomita,Y.+ |
| Fe | Ang Distrib | 1.8 | 6 | 2.8 | 6 | | H(n,n) | TimeOfFlight* | 92 | AE- 385 | Sep70 | AE | Holmqvist,B.+ |
| Fe | Legendre Fit | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 7 | PR 114 1563 | Jun59 | BAP | Machwe. |
| Fe | Legendre Fit | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 104 | EANDC/US- 62 | Mar65 | ANL | Smith. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ELASTIC SCATTERING (CONTINUED) | | | | | | | | | | | | |
| Fe | Legendre Fit | 4.5 | 5 | 2.3 | 6 | | H(n,n) | TimeOfFlight* | 48 | NP 84 239 | Aug66 | GEL | Jacquot,A.+ |
| Fe | Legendre Fit | 1.4 | 6 | 1.4 | 6 | | Carbon | TimeOfFlight | 1 | SMITH 68D | Apr68 | ANL | Whalen. |
| Fe | Legendre Fit | 3.2 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 475 | NP A118 321 | Oct68 | ANL | Barnard. |
| Fe | Legendre Fit | 3.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 43 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Fe | Legendre Fit | 1.8 | 6 | 2.8 | 6 | | H(n,n) | TimeOfFlight* | 30 | AE- 385 | Sep70 | AE | Holmqvist,B.+ |
| Fe | Polarizat n-out | 4.0 | 5 | 1.0 | 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G. |
| | ELASTIC+SOME INEL | | | | | | | | | | | | |
| Fe | Sigma | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Fe | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| Fe | Sigma | 2.5 | 6 | 2.5 | 6 | | | Ion Chamber | 2 | PR 82 969 | Jun51 | OXF | Grace,M.A.+ |
| Fe | Sigma | 2.5 | 6 | 2.5 | 6 | | | CrystalScint | 1 | PR 94 144 | Apr54 | OXF | Elliot,P.A.+ |
| Fe | Sigma | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 1 | AE 3 498 | 57 | CCP | Popov. |
| Fe | Sigma | 1.5 | 7 | 1.5 | 7 | | | Diff Sig Int | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| Fe | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Fe | Sigma | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 1 | AE 11 398 | 61 | CCP | Sukhanov. |
| Fe | Sigma | 6.0 | 6 | 6.0 | 6 | S | Carbon | TimeOfFlight | 1 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Fe | Sigma | 1.0 | 6 | 1.2 | 6 | | | | 2 | AE 14 400 | 63 | CCP | Glazkov. |
| Fe | Sigma | 1.0 | 6 | 1.2 | 6 | | | $He^3$ Spec | 2 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Fe | Sigma | 2.0 | 6 | 5.0 | 6 | | H(n,n) | TimeOfFlight | 31 | NSE 19 431 | Aug64 | LAS | Hopkins. |
| Fe | Sigma | 6.0 | 6 | 6.0 | 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Fe | Sigma | 4.0 | 6 | 4.0 | 6 | | | Diff Sig Int | 4 | NP 64 130 | Mar65 | ALD | Gilboy,W.B.+ |
| Fe | Sigma | 1.4 | 6 | 4.0 | 6 | | | TimeOfFlight | 22 | NP 64 130 | Mar65 | ALD | Gilboy,W.B.+ |
| Fe | Sigma | 2.0 | 6 | 4.0 | 6 | | $\sigma$(E#E(th)) | Diff Sig Int | 4 | NP 64 130 | Mar65 | ALD | Gilboy,W.B.+ |
| Fe | Sigma | 1.4 | 6 | 4.0 | 6 | | $\sigma$(E#E(th)) | TimeOfFlight | 19 | NP 64 130 | Mar65 | ALD | Gilboy,W.B.+ |
| Fe | Sigma | 4.6 | 6 | 4.6 | 6 | | H(n,n) | Diff Sig Int* | 5 | EANDC/OR- 51 | Mar66 | AE | Antolkovic,B.+ |
| Fe | Sigma | 1.3 | 6 | 2.3 | 6 | | H(n,n) | Diff Sig Int* | 5 | NP 84 239 | Aug66 | GEL | Jacquot,A.+ |
| Fe | Sigma | 7.0 | 6 | 7.0 | 6 | | H(n,n) | 4Pi*$\sigma$(90°) | 22 | NP A100 257 | Jul67 | ALD | Towle,J.H.+ |
| Fe | Sigma | 1.1 | 6 | 1.5 | 6 | | Carbon | TimeOfFlight | 26 | NP A118 321 | Oct68 | ANL | Barnard. |
| Fe | Sigma | 2.0 | 6 | 4.5 | 6 | | H(n,n) | TimeOfFlight* | 40 | 70HELSNK/II-349 | Jun70 | AE | Almen,E.+ |
| Fe | Ang Distrib | 1.9 | 6 | 1.9 | 6 | | | Nuc Emulsion | 1 | PR 86 132 | Apr52 | MIT | Stelson,P.H.+ |
| Fe | Ang Distrib | 2.5 | 6 | 2.5 | 6 | | | Ring Geomtry | 1 | PM 43 1060 | Oct52 | HAR | Poole,M.J. |
| Fe | Ang Distrib | 2.6 | 6 | 2.6 | 6 | | H(n,n) | CrystalScint | 1 | PR 94 144 | Apr54 | OXF | Elliot,P.A.+ |
| Fe | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 4 | PR 98 582 | May55 | WES | Jennings,B.+ |
| Fe | Ang Distrib | 6.5 | 6 | 6.5 | 6 | | | Nuc Emulsion | 3 | BAP 1 55 | Feb56 | WES | Weddell,J.B.+ |
| Fe | Ang Distrib | 1.6 | 6 | 1.7 | 6 | | $\sigma$(Tot-React) | Biased Scint | 22 | PR 103 720 | Aug56 | BNL | Muehlhouse. |
| Fe | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 1 | BAP 1 339 | Nov56 | WES | Weddell. |
| Fe | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | | Nuc Emulsion | 5 | AE 3 106 | 57 | CCP | Sal'nikov. |
| Fe | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 1 | AE 3 498 | 57 | CCP | Popov. |
| Fe | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | At one Angle | Ring Geomtry | 4 | AE 3 498 | 57 | CCP | Popov. |
| Fe | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | H(n,n) | Ring Geomtry | 2 | AE 3 498 | 57 | CCP | Popov. |
| Fe | Ang Distrib | 1.5 | 6 | 1.7 | 6 | | Ratio | Coincidences | 6 | CR 245 668 | Aug57 | SAC | Naggiar. |
| Fe | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 34 | PR 111 250 | Jul58 | LAS | Coon. |
| Fe | Ang Distrib | 2.2 | 6 | 2.2 | 6 | | $\sigma$(Total) | Biased Scint | 13 | PR 112 1192 | Nov58 | BNL | Landon. |
| Fe | Ang Distrib | 6.0 | 6 | 6.0 | 6 | S | Carbon | TimeOfFlight | 12 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Fe | Ang Distrib | 7.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 2 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Fe | Ang Distrib | 2.0 | 6 | 5.0 | 6 | | H(n,n) | TimeOfFlight | 31 | NSE 19 431 | Aug64 | LAS | Hopkins. |
| Fe | Ang Distrib | 6.0 | 6 | 6.0 | 6 | | Carbon | TimeOfFlight | 11 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Fe | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 1 | BAP 10 493 | Apr65 | LRL | Schectman,R.M.+ |
| Fe | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 40 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Fe | Ang Distrib | 4.6 | 6 | 4.6 | 6 | | H(n,n) | TimeOfFlight* | 57 | EANDC/OR- 51 | Mar66 | AE | Antolkovic,B.+ |
| Fe | Ang Distrib | 1.3 | 6 | 2.3 | 6 | | H(n,n) | TimeOfFlight* | 63 | NP 84 239 | Aug66 | GEL | Jacquot,A.+ |
| Fe | Ang Distrib | 9.4 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 276 | NP A118 321 | Oct68 | ANL | Barnard. |
| Fe | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Ratio | TimeOfFlight | 10 | INDC-260 16 | Feb69 | OBN | Salnikov. |
| Fe | Legendre Fit | 1.1 | 6 | 1.5 | 6 | | Carbon | TimeOfFlight | 52 | NP A118 321 | Oct68 | ANL | Barnard. |
| | (n,n'$\gamma$) REACTION | | | | | | | | | | | | |
| Fe | Sigma | 1.4 | 7 | 1.4 | 7 | | | Crystal Spec | 1 | PR 89 1268 | Mar53 | NRL | Scherrer,V.E.+ |
| Fe | Sigma | 3.2 | 6 | 3.2 | 6 | | | CrystalScint | 3 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Fe | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*$\sigma$(90°) | 6 | PR 102 767 | May56 | LAS | Day,R.B. |
| Fe | Sigma | 2.6 | 6 | 2.6 | 6 | N | | 4Pi*$\sigma$(90°) | 6 | PR 102 767 | May56 | LAS | Day,R.B. |
| Fe | Sigma | 3.3 | 6 | 5.0 | 6 | | | 4Pi*$\sigma$(90°) | 14 | PR 103 1031 | Aug56 | TEX | Morgan,I.L. |
| Fe | Sigma | 1.4 | 7 | 1.4 | 7 | | Carbon | CrystalScint | 3 | SPN- 241 | 61 | CCP | Nefedov. |
| Fe | Sigma | 2.0 | 6 | 4.0 | 6 | | | Shell Trans | 5 | 62- 254 | 62 | CCP | Broder. |
| Fe | Sigma | 4.3 | 6 | 1.5 | 7 | | | | 18 | INDSWG- 74 7 | Oct65 | OBN | Broder,D.L.+ |
| Fe | Sigma | 9.5 | 5 | 4.0 | 6 | | | Diff Sig Int | 29 | NP 79 241 | Apr66 | TNC | Benjamin. |
| Fe | Sigma | 2.5 | 6 | 4.0 | 6 | | | 4Pi*$\sigma$(90°) | 23 | NP 79 241 | Apr66 | TNC | Benjamin. |
| Fe | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 2 | PR 100 83 | Oct55 | BAR | Rothman,M.A.+ |
| Fe | Ang Distrib | 2.5 | 6 | 2.5 | 6 | | $Co^{59}$ | | 3 | SCHERRER 55J | Oct55 | NRL | Scherrer. |
| Fe | Ang Distrib | 2.6 | 6 | 2.5 | 6 | | | Ring Geomtry | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| Fe | Ang Distrib | 1.7 | 6 | 1.7 | 6 | | $\sigma$(Tot-React) | Biased Scint | 11 | PR 103 720 | Aug56 | BNL | Muehlhouse. |
| Fe | Ang Distrib | 3.3 | 6 | 5.0 | 6 | | | Ring Geomtry | 20 | PR 103 1031 | Aug56 | TEX | Morgan,I.L. |
| Fe | Ang Distrib | 1.0 | 6 | 1.5 | 7 | | | Ring Geomtry | 20 | WADC/TR/59- 31 | Feb59 | TNC | Bostrom. |
| Fe | Ang Distrib | 3.1 | 6 | 4.7 | 6 | | | Ring Geomtry | 55 | JPJ 16 355 | Mar61 | JAE | Nishimura. |
| Fe | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | $S^{32}$(n,p) | CrystalScint | 1 | USNRDL/TR- 916 | Oct65 | NRD | Engesser. |
| Fe | Ang Distrib | 9.5 | 5 | 1.0 | 6 | | | | 3 | NP 79 241 | Apr66 | TNC | Benjamin. |
| Fe | Ang Distrib | 1.5 | 6 | 4.7 | 6 | | | TimeOfFlight | 33 | NP 79 241 | Apr66 | TNC | Benjamin. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| Fe | Sigma | 6.0 | 4 | 1.8 | 6 | | Carbon | Diff Sig Int | 39 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Fe | Ang Distrib | 3.5 | 5 | 9.6 | 5 | | Carbon | Accelerator | 210 | NP A123 33 | Jan69 | ANL | Elwyn. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Fe | $\sigma$(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Fe | $\sigma$(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Fe | $\sigma$(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Fe | $\sigma$(Free Atom) | 1.4 | 0 | 1.4 | 0 | | | Extrapolatn | 1 | ORNL-1164 34 | 51 | ORL | Rayburn. |
| Fe | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Fe | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Mirror Refl | 1 | RSI 33 916 | Jul64 | BUC | Todiranu,S.+ |
| Fe | Scatt Amplitude | 6.1 | -2 | 6.1 | -2 | | | | 1 | RSI 33 916 | Jul64 | BUM | Todiranu,S.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION | | | | | | | | | | |
| Fe | Sigma | 1.4 7 | 1.4 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| Fe | Sigma | 1.4 7 | 1.4 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| | (n,p) REACTION | | | | | | | | | | |
| Fe | Sigma | 2.5 -3 | 2.5 -3 | | Absolute | Nuc Emulsion | 1 | HPA 25 521 | Sep52 | NEU | Haeni,H.+ |
| Fe | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | PR 108 779 | Nov57 | PEN | Verbinski. |
| Fe | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| Fe | Ang Distrib | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 24 | PM 2 785 | 57 | GLS | Brown. |
| Fe | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Biased Scint | 1 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| | p-EMISSION | | | | | | | | | | |
| Fe | Ang Distrib | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 12 | PM 2 785 | 57 | GLS | Brown. |
| Fe | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 6 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | (n,t) REACTION | | | | | | | | | | |
| Fe | Sigma | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation | 1 | HPA 36 298 | May63 | ETH | Heinrich,F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| Fe | Sigma | 2.5 -3 | 2.5 -3 | | Absolute | Nuc Emulsion | 1 | HPA 25 521 | Sep52 | NEU | Haeni,H.+ |
| Fe | Sigma | 1.0 6 | 1.0 6 | | | Mass Spec * | 4 | WEITMAN 70J | Oct70 | AE | Weitman,J.+ |
| | MISC FISS QUANT | | | | | | | | | | |
| Fe | Neutron/Capture | 1.4 7 | 1.4 7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | REMOVAL CROSS SECT | | | | | | | | | | |
| Fe | Sigma | 4.0 6 | 1.5 7 | | Absolute | Fission Det | 2 | SJA 6 431 | Dec60 | CCP | Broder,D.L.+ |
| Fe | Sigma | 1.0 6 | 1.0 6 | | Absolute | | 3 | AE 18 469 | May65 | CCP | Golubev,V.I.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Fe | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Activation | 1 | CR 232 2089 | May51 | PAR | Grimeland,B.+ |
| Fe | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Fe | Sigma | 2.5 -2 | 2.5 -2 | | Boron | | 1 | HARVEY 54 | 54 | BNL | Harvey. |
| Fe | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | ZET 41 1037 | Oct61 | LEB | Isakov. |
| Fe | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| Fe | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | CEA/R-2485 | 64 | FAR | Carre. |
| Fe | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Fe | Reson Integral | 5.0 -1 | 5.0 -1 | | Boron | Pile Oscilat | 1 | EANDC/E- 57 170 | Feb65 | FAR | Vidal,R. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Fe | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 88 600 | Nov52 | LAS | Phillips,D.D.+ |
| Fe | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| Fe | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Fe | Sigma | 8.0 5 | 1.5 6 | | Absolute | Shell Trans | 7 | ALLEN 55C | Mar55 | LAS | Allen. |
| Fe | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| Fe | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Fe | Sigma | 1.0 6 | 4.5 6 | | Absolute | Shell Trans | 3 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Fe | Sigma | 3.3 6 | 4.1 6 | | Absolute | Shell Trans | 2 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Fe | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Fe | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Fe | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| Fe | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Fe | Sigma | 1.0 6 | 7.0 6 | | Absolute | Shell Trans | 5 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Fe | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Fe | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Fe | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| Fe | Sigma | 2.6 7 | 2.6 7 | | Absolute | Shell Trans | 1 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| Fe | Sigma | 2.9 6 | 2.9 6 | | | Proportion C | 1 | AE 5 565 | Dec58 | CCP | Kukhtevich,V.I.+ |
| Fe | Sigma | 3.7 6 | 3.7 6 | | | Total | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Fe | Sigma | 1.4 7 | 2.0 7 | | Absolute | Shell Trans | 4 | AE 11 397 | Oct61 | CCP | Degtyarev. |
| Fe | Sigma | 1.0 6 | 2.2 6 | | Absolute | Shell Trans | 7 | AE 12 62 | Jan62 | CCP | Abramov. |
| Fe | Sigma | 9.3 5 | 1.5 6 | | | Pulse Decay | 6 | NSE 17 82 | Oct63 | MIT | Beghian,L.E.+ |
| Fe | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 17 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| Fe | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight* | 11 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Fe | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Fe | Sigma | 6.9 5 | 3.6 6 | | Absolute | Accelerator | 133 | ORNL-1278 3 | Dec51 | ORL | Willard. |
| Fe | Sigma | 1.0 6 | 3.2 6 | | Absolute | Accelerator | 14 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Fe | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Fe | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Fe | Sigma | 2.9 6 | 1.3 7 | | Absolute | Ion Chamber | 31 | PR 89 775 | Feb53 | LAS | Nereson. |
| Fe | Sigma | 3.5 7 | 1.9 8 | | Carbon | TimeOfFlight | 41 | UCRL- 2337 | Aug53 | BRK | Ragent. |
| Fe | Sigma | 3.7 6 | 3.7 6 | | | Ring Geomtry | 1 | PR 92 114 | Oct53 | BAR | Whitehead. |
| Fe | Sigma | 5.3 -4 | 6.0 -3 | | Absolute | TimeOfFlight | 74 | PR 92 202 | Oct53 | BNL | Palevsky. |
| Fe | Sigma | 1.9 7 | 1.9 7 | | Absolute | Biased Scint | 1 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| Fe | Sigma | 1.5 1 | 3.8 3 | | Absolute | TimeOfFlight | 84 | PALMER 55D | Apr55 | ANL | Palmer. |
| Fe | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Fe | Sigma | 9.3 7 | 1.1 8 | | | Count Telesc | 4 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| Fe | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Fe | Sigma | 1.3 7 | 1.6 7 | | Absolute | Accelerator | 7 | PR 100 972 | Nov55 | MBX | Mazari. |
| Fe | Sigma | 1.5 7 | 1.5 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| Fe | Sigma | 7.2 6 | 2.6 7 | S | Absolute | Biased Scint | 6 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Fe | Sigma | 8.6 2 | 4.1 5 | | Absolute | Accelerator | 401 | PR 108 414 | Oct57 | ANL | Hibdon. |
| Fe | Sigma | 1.4 7 | 1.5 7 | | | Biased Scint | 19 | NP 6 260 | 58 | LVN | Vervier,J.P.+ |
| Fe | Sigma | 4.0 6 | 8.1 6 | | | CrystalScint | 39 | PR 110 466 | Apr58 | COL | Weil. |
| Fe | Sigma | 7.0 6 | 1.5 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Fe | Sigma | 2.4 5 | 4.2 5 | | Absolute | Accelerator | 72 | WILENZICK 59 | 59 | DKE | Wilenzick. |
| Fe | Sigma | 3.7 6 | 3.7 6 | | Absolute | Accelerator | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Fe | Sigma | 1.3 7 | 2.1 7 | | Absolute | PlasticScint | 11 | NP 16 313 | May60 | HAR | Mccallum,G.J.+ |
| Fe | Sigma | 1.7 7 | 2.8 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Fe | Sigma | 1.0 3 | 2.1 5 | | Absolute | Accelerator | 233 | AP 14 365 | 61 | DKE | Newson. |
| Fe | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Fe | Sigma | 1.4 5 | 1.4 5 | | Absolute | TimeOfFlight | 2 | BAP 8 334 | Apr63 | COL | Singh. |
| Fe | Sigma | 1.4 5 | 1.4 5 | P | Absolute | TimeOfFlight | 2 | BAP 8 334 | Apr63 | COL | Singh. |
| Fe | Sigma | 7.7 5 | 9.3 5 | | | | 38 | PR 131 1644 | Aug63 | STF | Wells. |
| Fe | Sigma | 9.3 0 | 4.9 3 | | Absolute | TimeOfFlight | 47 | PR 132 801 | Oct63 | BNL | Moore,J.A.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | | | |
| Fe | Sigma | 4.0 | 3 | 2.0 | 5 | | Absolute | TimeOfFlight | 1971 | GARG 64B | Feb64 | COL | Garg,J.B. |
| Fe | Sigma | 2.5 | 4 | 7.1 | 4 | P | | TimeOfFlight | 265 | GARG 64B | Feb64 | COL | Garg,J.B. |
| Fe | Sigma | 4.0 | 3 | 9.0 | 5 | P | Absolute | TimeOfFlight | 5534 | GARG 64B | Feb64 | COL | Garg,J.B. |
| Fe | Sigma | 1.3 | 5 | 1.3 | 5 | | Absolute | Accelerator | 32 | HIBDON 64F | Jun64 | ANL | Hibdon. |
| Fe | Sigma | 8.3 | 6 | 1.4 | 7 | | Absolute | Accelerator | 63 | NP 59 583 | Nov64 | HAR | Manero,F.+ |
| Fe | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Fe | Sigma | 2.0 | 6 | 4.0 | 6 | | | TimeOfFlight | 3 | NP 64 130 | Mar65 | ALD | Gilboy,W.B.+ |
| Fe | Sigma | 6.1 | 5 | 1.2 | 6 | | Absolute | | 4 | SMITH 65H | Aug65 | ANL | Smith. |
| Fe | Sigma | 3.3 | 5 | 1.5 | 6 | S | Absolute | | 1431 | SMITH 65H | Aug65 | ANL | Smith. |
| Fe | Sigma | 2.0 | 6 | 1.0 | 7 | S | Absolute | TimeOfFlight | 340 | COO/ 720-058 | Oct65 | CSE | Galloway. |
| Fe | Sigma | 1.3 | 7 | 1.4 | 7 | | Absolute | Accelerator | 16 | NP 82 652 | Jul66 | NRD | Albergotti,J.C.+ |
| Fe | Sigma | 1.3 | 7 | 1.4 | 7 | | Absolute | PlasticScint | 17 | NP 82 652 | Jul66 | NRD | Albergotti,J.C.+ |
| Fe | Sigma | 2.0 | 6 | 1.7 | 7 | | Absolute | TimeOfFlight | 409 | COO/1573- 6 | Sep66 | CSE | Shrader,E.F.+ |
| Fe | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 247 | FOSTER 67E | May67 | BNW | Foster. |
| Fe | Sigma | 4.5 | 6 | 7.5 | 6 | | Absolute | Accelerator | 109 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Fe | Sigma | 4.5 | 6 | 7.5 | 6 | S | Absolute | Accelerator | 109 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Fe | Sigma | 3.5 | 5 | 1.2 | 6 | | Absolute | CrystalScint | 205 | NP A102 92 | Sep67 | FR | Cabe. |
| Fe | Sigma | 7.3 | 5 | 4.0 | 6 | S | | TimeOfFlight* | 490 | 68WASH- 771 | Mar68 | NBS | Schwartz,R.B.+ |
| Fe | Sigma | 5.0 | 5 | 3.2 | 7 | | Absolute | TimeOfFlight* | 5115 | KFK-1000 | Jun68 | KFK | Cierjacks,S.+ |
| Fe | Sigma | 2.7 | 10 | 2.7 | 10 | | | | 1 | PL B 27 328 | Aug68 | MHG | Jones. |
| Fe | Sigma | 1.8 | 6 | 2.3 | 6 | | | | 73 | NP A117 472 | Sep68 | NRD | Ferguson. |
| Fe | Sigma | 1.8 | 6 | 2.4 | 6 | | Absolute | Accelerator | 2 | NP A117 472 | Sep68 | NRD | Ferguson. |
| Fe | Sigma | 3.3 | 5 | 1.5 | 6 | | Absolute | TimeOfFlight | 1472 | NP A118 321 | Oct68 | ANL | Barnard. |
| Fe | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Assoc Part * | 1 | AJP 37 482 | May69 | OAU | |
| Fe | Sigma | 8.9 | 6 | 8.9 | 6 | | Absolute | CrystalScint | 1 | AJP 37 649 | Jun69 | ORL | |
| Fe | Sigma | 5.0 | 5 | 1.5 | 7 | | Absolute | TimeOfFlight* | 3350 | SCHWARTZ 69H | Aug69 | NBS | Schwartz,R.B. |
| Fe | Sigma | 5.7 | 9 | 5.7 | 9 | | Absolute | Transmission* | 1 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.P.+ |
| Fe | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| Fe | Sigma | 5.4 | 4 | 2.5 | 5 | | Absolute | TimeOfFlight | 845 | MULLER 70J | Oct70 | KFK | Froehner,F.H.+ |
| Fe | Sigma | 4.6 | 5 | 9.0 | 6 | | Absolute | TimeOfFlight* | 3726 | NSE 42 28 | Oct70 | GA | Carlson,A.D.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| Fe | Γ(γ) | 4.0 | 3 | 2.8 | 4 | | Absolute | TimeOfFlight | 4 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| Fe | gΓ(γ)Γ(n)/Γ | 6.3 | 4 | 1.5 | 5 | | | | 13 | BAP 13 1390 | Nov68 | RPI | Hockenbury. |
| | n-WIDTH | | | | | | | | | | | | |
| Fe | 2gΓ(n) | 1.1 | 3 | 1.1 | 3 | | Absolute | TimeOfFlight | 1 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| Fe | 2gΓ²(n)/Γ | 9.4 | 3 | 1.7 | 4 | | Absolute | TimeOfFlight | 3 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| Fe | Resonance Energy | 1.6 | 3 | 2.3 | 4 | | Absolute | TimeOfFlight | 5 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| Fe | Resonance Energy | 7.4 | 4 | 1.8 | 5 | | | | 7 | BAP 13 1390 | Nov68 | RPI | Hockenbury. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| Fe | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Fe | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | Absolute | Count Telesc | 1 | ZP 201 241 | Apr67 | GER | Emmerich,W.D.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| Fe54 | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Proportion C | 1 | 55CLEVE-203 | Dec55 | ORL | Brooksbank. |
| Fe54 | Spectrum | 2.5 | -2 | 2.5 | -2 | | Absolute | γ-Spectromet | 27 | YF 2 84 | Jul65 | IPL | Loskutova,N.G.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| Fe54 | Sigma | 1.8 | 6 | 5.3 | 6 | | | 4Pi*σ(90°) | 52 | PR 163 1252 | Nov67 | TNC | Benjamin. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Fe54 | Sigma | 2.3 | 6 | 2.3 | 6 | | Carbon | Diff Sig Int | 1 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| Fe54 | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | Carbon | TimeOfFlight | 5 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| | INEL SCATTERING | | | | | | | | | | | | |
| Fe54 | Sigma | 2.3 | 6 | 2.3 | 6 | | Carbon | Diff Sig Int | 1 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| Fe54 | Sigma | 1.5 | 7 | 1.5 | 7 | | Arb Units | 4Pi*σ(90°) * | 1 | AF 39 295 | Apr69 | LWD | Joensson,B.+ |
| Fe54 | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | Carbon | TimeOfFlight | 5 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| Fe54 | Ang Distrib | 2.6 | 6 | 3.3 | 6 | | H(n,n) | TimeOfFlight | 22 | NP A125 641 | Mar69 | JAE | Tsukada,K.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| Fe54 | Sigma | 2.5 | 6 | 2.5 | 6 | | | CrystalScint | 1 | PM 46 963 | Sep55 | OXF | Beghian,L.E.+ |
| Fe54 | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| Fe54 | Sigma | 2.6 | 6 | 2.6 | 6 | N | | 4Pi*σ(90°) | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| Fe54 | Sigma | 2.0 | 6 | 3.8 | 6 | | | 4Pi*σ(90°) | 44 | NP 30 93 | 62 | HAR | Montague. |
| Fe54 | Sigma | 2.0 | 6 | 4.0 | 6 | | | Shell Trans | 5 | 62- 254 | 62 | CCP | Broder. |
| Fe54 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| Fe54 | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| Fe54 | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | $S^{32}$(n,p) | CrystalScint | 1 | USNRDL/TR- 916 | Oct65 | NRD | Engesser. |
| Fe54 | Ang Distrib | 1.8 | 6 | 5.3 | 6 | | | TimeOfFlight | 75 | PR 163 1252 | Nov67 | TNC | Benjamin. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Fe54 | σ(Potential) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Fe54 | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Fe54 | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Fe54 | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Fe54 | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| Fe54 | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PPS 70 195 | 57 | HAR | Allan. |
| Fe54 | Sigma | 1.7 | 7 | 1.8 | 7 | | | Activation | 2 | PR 109 2031 | Mar58 | LAS | Terrell. |
| Fe54 | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}$(n,2n) | Activation | 1 | BAP 3 365 | Nov58 | ANL | Rayburn. |
| Fe54 | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}$(n,2n) | Activation | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| Fe54 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | JPR 21 377 | May60 | FR | Depraz. |
| Fe54 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation * | 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |
| Fe54 | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| Fe54 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | PR 122 860 | May61 | ARK | Chittenden. |
| Fe54 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| Fe54 | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CR 257 659 | Jul63 | BOR | Carles,C. |
| Fe54 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | 65ANTWRP-102 B | Jul65 | DEB | Csikai,J. |
| Fe54 | Sigma | 1.4 | 7 | 1.7 | 7 | | Absolute | CrystalScint | 2 | PR 140B 305 | Oct65 | LOK | Salisbury,S.R.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | |
| $Fe^{54}$ | Sigma | 1.0 6 | 1.0 6 | | $Ni^{58}(n,p)$ | Activation * | 1 | RCA 13 169 | Jun70 | KJL | Steinnes,E. |
| | (n,p) REACTION | | | | | | | | | | |
| $Fe^{54}$ | Sigma | 1.3 7 | 1.6 7 | | | CrystalScint* | 2 | PPS 75 526 | 60 | GLS | Jack,W.+ |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |
| $Fe^{54}$ | Sigma | 2.6 6 | 3.6 6 | | | Activation | 3 | NP 24 340 | Apr61 | CHL | Van Loef,J.J. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.5 7 | | Al(n,alpha) | Activation | 3 | PR/P- 53 7 | Mar62 | CR | Cross. |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | BAP 7 335 | Apr62 | CR | Cross,W.G.+ |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | S | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| $Fe^{54}$ | Sigma | 1.0 6 | 1.0 6 | | $S^{32}(n,p)$ | Activation | 1 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| $Fe^{54}$ | Sigma | 3.5 6 | 6.0 6 | S | Absolute | Activation | 5 | ANS 7 268 | Nov64 | BET | Carroll. |
| $Fe^{54}$ | Sigma | 1.0 6 | 1.0 6 | | $Co^{59}$ | CrystalScint | 1 | EANDC/E- 57 69 | Feb65 | MOL | Fabry. |
| $Fe^{54}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation * | 1 | EANDC/E- 57 172 | Feb65 | GRE | Lloret,R. |
| $Fe^{54}$ | Sigma | 3.5 6 | 1.7 7 | | Absolute | Activation | 11 | NSE 22 411 | Aug65 | BET | Carroll. |
| $Fe^{54}$ | Sigma | 2.2 6 | 1.7 7 | | Absolute | CrystalScint | 9 | PR 140B 305 | Oct65 | LOK | Salisbury,S.R.+ |
| $Fe^{54}$ | Sigma | 2.3 6 | 3.8 6 | | H(n,n) | Solidstate C* | 9 | NP 73 234 | Nov65 | AE | Lauber,A.+ |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | S | | CrystalScint | 1 | ORO/3346- 2 | Sep66 | GIT | Venugopala Rao. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | CrystalScint | 1 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Fe^{54}$ | Sigma | 1.0 6 | 1.0 6 | | Al(n,alpha) | Activation | 1 | NSE 29 7 | Jul67 | ISP | Bresesti,A.M.+ |
| $Fe^{54}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | | H(n,n) | Activation * | 1 | NP A138 387 | Dec69 | LRL | Barrall. |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| $Fe^{54}$ | Sigma | 1.3 7 | 1.6 7 | | Absolute | Activation * | 9 | 71CANTERB- 16 | Sep71 | GEL | Paulsen,A.+ |
| $Fe^{54}$ | Sigma | 1.7 6 | 6.3 6 | | $Ni^{58}(n,p)$ | Activation * | 5 | 71CANTERB- 16 | Sep71 | GEL | Paulsen,A.+ |
| $Fe^{54}$ | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Fe^{54}$ | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PM 3 143 | 58 | GLS | March. |
| $Fe^{54}$ | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | NP 10 348 | Apr59 | HAR | Allan. |
| $Fe^{54}$ | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Fe^{54}$ | $\sigma$(Direct) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PM 3 143 | 58 | GLS | March. |
| $Fe^{54}$ | $\sigma$(Direct) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | NP 10 348 | Apr59 | HAR | Allan. |
| $Fe^{54}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 28 | PM 3 143 | 58 | GLS | March. |
| $Fe^{54}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 90 | NP 10 348 | Apr59 | HAR | Allan. |
| $Fe^{54}$ | Ang Distr Direct | 1.4 7 | 1.4 7 | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| $Fe^{54}$ | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | | * | 37 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,np) REACTION | | | | | | | | | | |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PM 3 143 | 58 | GLS | March. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | NP 10 348 | Apr59 | HAR | Allan. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | Ratio | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | p-EMISSION | | | | | | | | | | |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PM 3 143 | 58 | GLS | March. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | NP 10 348 | Apr59 | HAR | Allan. |
| $Fe^{54}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 14 | PM 3 143 | 58 | GLS | March. |
| $Fe^{54}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 30 | NP 10 348 | Apr59 | HAR | Allan. |
| $Fe^{54}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | |
| $Fe^{54}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | | 1 | NC 20 94 | Apr61 | MIL | Colli,L. |
| $Fe^{54}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 1 | NP 46 73 | Jul63 | MIL | Colli,L.+ |
| | (n,t) REACTION | | | | | | | | | | |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | CJC 39 684 | 61 | CAN | Baerg. |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 122 860 | May61 | ARK | Chittenden. |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 2 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 122 860 | May61 | ARK | Chittenden. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.5 7 | | Al(n,alpha) | Activation | 3 | PR/P- 53 7 | Mar62 | CR | Cross. |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | BAP 7 335 | Apr62 | CR | Cross,W.G.+ |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | S | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| $Fe^{54}$ | Sigma | 2.2 6 | 1.7 7 | | Absolute | CrystalScint | 9 | PR 140B 305 | Oct65 | LOK | Salisbury,S.R.+ |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | S | | CrystalScint | 1 | ORO/3346- 2 | Sep66 | GIT | Venugopala Rao. |
| $Fe^{54}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | CrystalScint | 1 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Fe^{54}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Fe^{54}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| $Fe^{54}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Count Telesc | 1 | PPS 81 808 | 63 | GLS | Irfan. |
| | (n,n alpha) REACT | | | | | | | | | | |
| $Fe^{54}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Count Telesc | 1 | PPS 81 808 | 63 | GLS | Irfan. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Fe^{54}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Fe^{54}$ | Sigma | 5.5 3 | 1.3 5 | | Absolute | Accelerator | 74 | AP 14 365 | 61 | DKE | Newson. |
| $Fe^{54}$ | Sigma | 4.8 3 | 2.9 5 | C | | MultiLvl Fit* | 14246 | FROEHNER 72A | Jan72 | KFK | Froehner,F.H.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Fe^{54}$ | Γ(γ) | 7.2 3 | 7.2 3 | | | TimeOfFlight | 1 | 65ANTWERP- 88 | Jul65 | HAR | Moxon,M.C. |
| | n-WIDTH | | | | | | | | | | |
| $Fe^{54}$ | Γ(n) | 7.2 3 | 1.5 5 | | | AreaAnalysis | 7 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Fe^{54}$ | Γ(n,l=0) | 7.2 3 | 1.5 5 | | | AreaAnalysis | 7 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Fe^{54}$ | Γ(n,l=0) | 9.8 4 | 5.1 5 | | | Shape Analys | 17 | AP 17 319 | 62 | DKE | Bowman. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Fe^{54}$ | Γ | 1.6 5 | 5.0 5 | | | AreaAnalysis | 58 | AP 17 319 | 62 | DKE | Bowman. |
| $Fe^{54}$ | Γ | 9.8 4 | 5.1 5 | | | Shape Analys | 17 | AP 17 319 | 62 | DKE | Bowman. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Fe^{54}$ | Resonance Energy | 9.2 | 4 | 4.0 | 5 | | | 8 | ANL-5554 55 | Aug56 | ANL | Hibdon. |
| $Fe^{54}$ | Resonance Energy | 7.8 | 3 | 2.1 | 5 | | TimeOfFlight | 11 | CR-1860 64 | | COL | Garg. |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Fe^{55}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Fe^{55}$ | Permi Param: a | 1.4 | 7 | 1.4 | 7 | | * | 1 | 65ANTWRP-110 | Jul65 | HAM | Bormann,M.+ |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Fe^{56}$ | Sigma | 1.4 | 4 | 5.9 | 4 | $Ta^{181}$ | Scint Tank | 33 | PR 136B 695 | Nov64 | ORL | Macklin. |
| $Fe^{56}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | Absolute | γ-Spectromet | 7 | YF 2 84 | Jul65 | IPL | Loskutova,N.G.+ |
| | γ,EMISSION | | | | | | | | | | | |
| $Fe^{56}$ | Ang Distrib | 9.5 | 5 | 1.0 | 6 | | CrystalScint | 2 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| $Fe^{56}$ | Ang Distrib | 2.5 | 6 | 2.5 | 6 | | TimeOfFlight | 2 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | |
| $Fe^{56}$ | Sigma | 1.4 | 0 | 1.4 | 0 | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| $Fe^{56}$ | Sigma | 2.3 | 6 | 2.3 | 6 | Carbon | Diff Sig Int | 1 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| $Fe^{56}$ | Sigma | 4.6 | 6 | 7.5 | 6 | | $4\pi*\sigma(90°)$ | 7 | ORNL/TM-2052 | Jan68 | ORL | Gwin. |
| $Fe^{56}$ | Ang Distrib | 6.3 | 5 | 9.7 | 5 | Absolute | * | 63 | CEA/R-3279 | Jun67 | BRC | Cabe,J. |
| $Fe^{56}$ | Ang Distrib | 2.3 | 6 | 2.3 | 6 | Carbon | TimeOfFlight | 5 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| $Fe^{56}$ | Ang Distrib | 4.6 | 6 | 7.5 | 6 | | TimeOfFlight | 85 | ORNL/TM-2052 | Jan68 | ORL | Gwin. |
| | INEL SCATTERING | | | | | | | | | | | |
| $Fe^{56}$ | Sigma | 2.8 | 6 | 3.0 | 6 | C H(n,n) | Ring Geomtry | 4 | JPJ 14 699 | Jul59 | YOK | Hosoe,M.+ |
| $Fe^{56}$ | Sigma | 1.0 | 6 | 3.9 | 6 | | CrystalScint | 27 | AE 13 587 | 62 | CCP | Broder,D.L.+ |
| $Fe^{56}$ | Sigma | 2.3 | 6 | 2.3 | 6 | Carbon | Diff Sig Int | 1 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| $Fe^{56}$ | Sigma | 4.6 | 6 | 7.5 | 6 | | $4\pi*\sigma(90°)$ | 51 | ORNL/TM-2052 | Jan68 | ORL | Gwin. |
| $Fe^{56}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Arb Units | $4\pi*\sigma(90°)$ * | 1 | AF 39 295 | Apr69 | LND | Joensson,B.+ |
| $Fe^{56}$ | Ang Distrib | 2.3 | 6 | 2.4 | 6 | | Biased Scint | 24 | PR 103 343 | Jul56 | LAS | Cranberg. |
| $Fe^{56}$ | Ang Distrib | 2.3 | 6 | 2.4 | 6 | H(n,n) | Biased Scint | 2 | PR 103 343 | Jul56 | LAS | Cranberg. |
| $Fe^{56}$ | Ang Distrib | 2.3 | 6 | 2.3 | 6 | Carbon | TimeOfFlight | 5 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| $Fe^{56}$ | Ang Distrib | 4.6 | 6 | 7.5 | 6 | | TimeOfFlight | 85 | ORNL/TM-2052 | Jan68 | ORL | Gwin. |
| $Fe^{56}$ | Ang Distrib | 1.4 | 6 | 4.5 | 6 | H(n,n) | TimeOfFlight | 119 | NP A125 641 | Mar69 | JAE | Tsukada,K.+ |
| $Fe^{56}$ | Ang Distrib | 1.4 | 6 | 2.2 | 6 | H(n,n) | TimeOfFlight* | 225 | 70HELSNK/II-301 | Jun70 | JAE | Tomita,Y.+ |
| $Fe^{56}$ | Legendre Fit | 2.6 | 6 | 2.6 | 6 | At one Angle | Ring Geomtry | 5 | PR 117 1330 | Mar60 | LAS | Day,R.B.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Fe^{56}$ | Sigma | 8.1 | 5 | 2.7 | 6 | | Ring Geomtry | 133 | PR 95 989 | Aug54 | MIT | Kiehn,R.M.+ |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | CrystalScint | 2 | JPI 260 238 | 55 | BAR | Kent,D.W.+ |
| $Fe^{56}$ | Sigma | 2.5 | 6 | 2.5 | 6 | | CrystalScint | 1 | PM 46 963 | Sep55 | OXF | Beghian,L.E.+ |
| $Fe^{56}$ | Sigma | 8.0 | 5 | 1.8 | 6 | | $4\pi*\sigma(90°)$ | 65 | PR 101 103 | Jan56 | WIS | Van Loef. |
| $Fe^{56}$ | Sigma | 2.6 | 6 | 2.6 | 6 | Absolute | $4\pi*\sigma(90°)$ | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Fe^{56}$ | Sigma | 2.6 | 6 | 2.6 | 6 | N | $4\pi*\sigma(90°)$ | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Fe^{56}$ | Sigma | 8.5 | 5 | 5.5 | 6 | | $4\pi*\sigma(90°)$ | 16 | AEC/U-3387 115 | Nov56 | WES | Griffith,G.L. |
| $Fe^{56}$ | Sigma | 2.6 | 6 | 2.6 | 6 | | Diff Sig Int | 1 | PR 117 1330 | Mar60 | LAS | Day,R.B.+ |
| $Fe^{56}$ | Sigma | 1.0 | 6 | 3.4 | 6 | | $4\pi*\sigma(90°)$ | 20 | 60KINGSTON-244 | Aug60 | BAR | Van Patter. |
| $Fe^{56}$ | Sigma | 2.9 | 6 | 2.9 | 6 | | Diff Sig Int | 1 | PR 124 1531 | Dec61 | KTY | Boring,J.W.+ |
| $Fe^{56}$ | Sigma | 9.0 | 5 | 3.8 | 6 | | $4\pi*\sigma(90°)$ | 188 | NP 30 93 | 62 | HAR | Montague. |
| $Fe^{56}$ | Sigma | 1.0 | 6 | 4.0 | 6 | | Shell Trans | 23 | 62- 254 | 62 | CCP | Broder. |
| $Fe^{56}$ | Sigma | 8.6 | 5 | 2.5 | 6 | | CrystalScint | 54 | PR 137B1181 | Mar65 | STF | Tucker. |
| $Fe^{56}$ | Sigma | 1.8 | 6 | 2.4 | 6 | | Diff Sig Int | 3 | BARROWS 65D | Apr65 | KTY | Barrows. |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Diff Sig Int | 1 | JNE 19 447 | Jun65 | GLS | Martin,P.W.+ |
| $Fe^{56}$ | Sigma | 1.0 | 6 | 2.6 | 6 | H(n,n) | Ring Geomtry | 13 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Another Reac | γ-Spectromet | 2 | LEB 33 99 | 66 | LEB | Benetskii. |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Fe^{56}$ | Sigma | 2.5 | 6 | 1.4 | 7 | | $4\pi*\sigma(90°)$ * | 57 | 71KNOXVILL/2- 4 | Mar71 | BRC | Haouat,G.+ |
| $Fe^{56}$ | Sigma | 8.6 | 5 | 1.3 | 7 | | TimeOfFlight* | 2056 | VOSS 72B | Feb72 | KPK | Voss,F. |
| $Fe^{56}$ | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | Ring Geomtry | 2 | PR 100 83 | Oct55 | BAR | Rothman,M.A.+ |
| $Fe^{56}$ | Ang Distrib | 2.6 | 6 | 2.6 | 6 | | Ring Geomtry | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Fe^{56}$ | Ang Distrib | 2.9 | 6 | 2.9 | 6 | H(n,n) | Ring Geomtry | 1 | JPJ 14 699 | Jul59 | YOK | Hosoe,M.+ |
| $Fe^{56}$ | Ang Distrib | 2.9 | 6 | 2.9 | 6 | Ratio | Ring Geomtry | 11 | JPJ 14 699 | Jul59 | YOK | Hosoe,M.+ |
| $Fe^{56}$ | Ang Distrib | 2.6 | 6 | 2.6 | 6 | At one Angle | Ring Geomtry | 11 | PR 117 1330 | Mar60 | LAS | Day,R.B.+ |
| $Fe^{56}$ | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | CrystalScint | 5 | PR 124 1531 | Dec61 | KTY | Boring,J.W.+ |
| $Fe^{56}$ | Ang Distrib | 2.8 | 6 | 2.8 | 6 | $S^{32}(n,p)$ | CrystalScint | 3 | USNRDL/TR- 916 | Oct65 | NRD | Engesser. |
| $Fe^{56}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | CrystalScint | 1 | BAP 12 124 | Feb67 | WVU | Eddy,J.K.+ |
| $Fe^{56}$ | Ang Distrib | 1.4 | 6 | 2.2 | 6 | H(n,n) | TimeOfFlight* | 225 | 70HELSNK/II-301 | Jun70 | JAE | Tomita,Y.+ |
| $Fe^{56}$ | Ang Distrib | 8.8 | 6 | 1.4 | 7 | | TimeOfFlight* | 94 | 71KNOXVILL/2- 4 | Mar71 | BRC | Haouat,G.+ |
| | MISC SCATT QUANT | | | | | | | | | | | |
| $Fe^{56}$ | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Fe^{56}$ | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Fe^{56}$ | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Fe^{56}$ | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Al(n,alpha) | Activation * | 1 | OSA 99 1 | Jan62 | IRK | Wenusch,R.+ |
| $Fe^{56}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Arb Units | $4\pi*\sigma(90°)$ * | 1 | AF 39 295 | Apr69 | LND | Joensson,B.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Activation | 1 | PR 88 1309 | Dec52 | LAS | Forbes. |
| $Fe^{56}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Activation | 1 | JPI 260 238 | 55 | BAR | Kent,D.W.+ |
| $Fe^{56}$ | Sigma | 1.3 | 7 | 1.3 | 7 | | Nuc Emulsion | 1 | PM 2 785 | 57 | GLS | Brown. |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Absolute | Activation * | 1 | JPJ 12 443 | May57 | KON | Yasumi. |
| $Fe^{56}$ | Sigma | 3.4 | 6 | 1.8 | 7 | σ(E≠E(th)) | Activation | 18 | PR 109 2031 | Mar58 | LAS | Terrell. |
| $Fe^{56}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Absolute | Activation | 1 | NP 10 226 | Mar59 | NRD | Kern,B.D.+ |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | CrystalScint* | 1 | PPS 75 525 | 60 | GLS | Jack,W.+ |
| $Fe^{56}$ | Sigma | 1.5 | 7 | 1.5 | 7 | $Cu^{63}(n,2n)$ | Activation * | 1 | JPR 21 377 | May60 | PR | Depraz. |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Absolute | Activation * | 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |
| $Fe^{56}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Activation | 1 | PR 122 860 | May61 | ARK | Chittenden. |
| $Fe^{56}$ | Sigma | 1.3 | 7 | 2.0 | 7 | σ(E≠E(th)) | Activation * | 5 | ZP 166 477 | Feb62 | HAM | Bormann,M.+ |
| $Fe^{56}$ | Sigma | 1.4 | 7 | 1.5 | 7 | Al(n,alpha) | Activation | 3 | PR/P- 53 7 | Mar62 | CR | Cross. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION (CONTINUED) | | | | | | | | | | | |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | BAP 7 335 | Apr62 | CR | Cross,W.G.+ |
| Fe56 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | | 1 | PR 128 1276 | Nov62 | KTY | Gabbard. |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | S | Al(n,alpha) | Activation | | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | EANDC/E- 49 4 | Oct63 | HAM | Bormann,M.+ |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | | Activation | * | 1 | NP 51 337 | Feb64 | TUR | Bonazzola,G.C.+ |
| Fe56 | Sigma | 4.6 6 | 2.0 7 | | $S^{32}(n,p)$ | Activation | | 47 | CJP 42 1030 | Jun64 | CR | Santry. |
| Fe56 | Sigma | 1.0 6 | 1.0 6 | | $S^{32}(n,p)$ | Activation | | 1 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| Fe56 | Sigma | 4.4 6 | 4.4 6 | | | Activation | | 1 | PHY 30 1846 | Dec64 | NED | Heertje,I.+ |
| Fe56 | Sigma | 1.0 6 | 1.0 6 | | | | | 1 | EANDC/E- 57 71 | Feb65 | MOL | Fabry,A.+ |
| Fe56 | Sigma | 1.3 7 | 2.0 7 | | Norm To Abs | Activation | * | 28 | JNE 19 73 | Feb65 | GEL | Liskien,H.+ |
| Fe56 | Sigma | 6.1 6 | 8.2 6 | | H(n,n) | Activation | * | 17 | NUK 8 315 | Aug66 | GEL | Liskien,H.+ |
| Fe56 | Sigma | 1.0 6 | 1.0 6 | | Al(n,alpha) | Activation | | 1 | NSE 29 7 | Jul67 | ISP | Bresesti,A.M.+ |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | | * | 1 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | Ratio | | * | 1 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| Fe56 | Sigma | 1.4 7 | 1.5 7 | | Ratio | Activation | * | 11 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| Fe56 | Sigma | 1.4 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | * | 23 | NC B 54 53 | Mar68 | CAT | Cuzzocrea,P.+ |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation | | 1 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| Fe56 | Sigma | 1.0 6 | 1.0 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | Arb Units | $4Pi*\sigma(90°)$ | * | 1 | AP 39 295 | Apr69 | LND | Joensson,B.+ |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | H(n,n) | Activation | * | 1 | NP A138 387 | Dec69 | LRL | Barrall. |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | | Activation | * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| Fe56 | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | PPS 70 195 | 57 | HAR | Allan. |
| Fe56 | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | PM 3 143 | 58 | GLS | March. |
| Fe56 | $\sigma$(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate | * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| Fe56 | $\sigma$(Direct) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | PPS 70 195 | 57 | HAR | Allan. |
| Fe56 | $\sigma$(Direct) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | PM 3 143 | 58 | GLS | March. |
| Fe56 | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 28 | PM 3 143 | 58 | GLS | March. |
| Fe56 | Ang Distr Direct | 1.4 7 | 1.4 7 | | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| Fe56 | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | | | * | 37 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,np) REACTION | | | | | | | | | | | |
| Fe56 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | PPS 70 195 | 57 | HAR | Allan. |
| Fe56 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | PM 3 143 | 58 | GLS | March. |
| Fe56 | Sigma | 1.4 7 | 1.4 7 | | Ratio | Photo Plate | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| Fe56 | Sigma | 1.4 7 | 1.4 7 | | Iron | Photo Plate | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | p-EMISSION | | | | | | | | | | | |
| Fe56 | Sigma | 1.3 7 | 1.3 7 | | | Nuc Emulsion | | 1 | PM 2 785 | 57 | GLS | Brown. |
| Fe56 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | PPS 70 195 | 57 | HAR | Allan. |
| Fe56 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | PM 3 143 | 58 | GLS | March. |
| Fe56 | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 14 | PM 3 143 | 58 | GLS | March. |
| Fe56 | Ang Distrib | 1.4 7 | 1.4 7 | | | | | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | | |
| Fe56 | Ang Distrib | 1.4 7 | 1.4 7 | | | | | 1 | NC 20 94 | Apr61 | MIL | Colli,L. |
| Fe56 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | | 1 | NP 46 73 | Jul63 | MIL | Colli,L.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| Fe56 | Sigma | 1.5 7 | 1.5 7 | | | Solidstate C | | 2 | NP A127 81 | Apr69 | OTC | Spira. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| Fe56 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,$\gamma$) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | NONELASTIC SCATT | | | | | | | | | | | |
| Fe56 | Sigma | 2.0 7 | 2.0 7 | | | Shell Trans | | 1 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| Fe56 | Sigma | 8.1 6 | 8.1 6 | | Absolute | Shell Trans | | 1 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| Fe56 | Sigma | 1.4 0 | 1.4 0 | | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| | $\gamma$-WIDTH | | | | | | | | | | | |
| Fe56 | $\Gamma(\gamma)$ | 1.2 3 | 1.2 3 | | | | | 1 | ZET 38 989 | Mar60 | LEB | Isakov. |
| Fe56 | $\Gamma(\gamma)$ | 1.2 3 | 1.2 3 | | | | | 1 | AN.PROG.REP.52I | Sep62 | RPI | Russel,J.E.+ |
| Fe56 | $\Gamma(\gamma)$ | -4.4 3 | 1.2 3 | | | AreaAnalysis | | 2 | PR 132 801 | Oct63 | BNL | Moore,J.A.+ |
| Fe56 | $\Gamma(\gamma)$ | 2.8 4 | 2.8 4 | | | AreaAnalysis | | 1 | PR 136B 695 | Nov64 | ORL | Macklin. |
| Fe56 | $\Gamma(\gamma)$ | 1.1 3 | 1.1 3 | | | AreaAnalysis | | 1 | PL 13 234 | Dec64 | ORL | Block. |
| Fe56 | $\Gamma(\gamma)$ | 2.8 4 | 2.8 4 | | | TimeOfFlight | | 1 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| Fe56 | $\Gamma(\gamma)\sigma(0)$ | 1.2 3 | 1.2 3 | | | | | 1 | ZET 38 989 | Mar60 | LEB | Isakov. |
| Fe56 | $g\Gamma(\gamma)\Gamma(n)/\Gamma$ | 1.2 3 | 1.2 3 | | | CaptureGamma | | 1 | AERE/PR/NP- 6 15 | Apr64 | HAR | Moxon. |
| Fe56 | $g\Gamma(\gamma)\Gamma(n)/\Gamma$ | 2.2 4 | 3.6 4 | | | AreaAnalysis | | 2 | PR 136B 695 | Nov64 | ORL | Macklin. |
| | n-WIDTH | | | | | | | | | | | |
| Fe56 | $\Gamma(n)$ | 2.9 4 | 4.1 5 | | | TimeOfFlight | | 14 | PR 108 414 | Oct57 | ANL | Hibdon. |
| Fe56 | $\Gamma(n)$ | 1.2 3 | 1.2 3 | | | | | 1 | ZET 38 989 | Mar60 | LEB | Isakov. |
| Fe56 | $\Gamma(n)$ | 1.2 3 | 1.2 3 | | | AreaAnalysis | | 1 | PR 132 801 | Oct63 | BNL | Moore,J.A.+ |
| Fe56 | $\Gamma(n)$ | 7.4 4 | 2.4 5 | | Absolute | AreaAnalysis | | 10 | 66PARIS/I- 137 | Oct66 | KFK | Rohr,G.+ |
| Fe56 | $\Gamma(n)/g$ | 1.1 3 | 1.1 3 | | | TimeOfFlight | | 1 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| Fe56 | $2g\Gamma(n)$ | 1.2 3 | 1.2 3 | | | CaptureGamma | | 1 | AERE/PR/NP- 6 15 | Apr64 | HAR | Moxon. |
| Fe56 | $2g\Gamma(n)$ | 1.1 3 | 1.1 3 | | | AreaAnalysis | | 1 | PL 13 234 | Dec64 | ORL | Block. |
| Fe56 | $\Gamma(n,l=0)$ | 2.8 4 | 1.9 5 | | | AreaAnalysis | | 18 | AP 14 387 | 61 | DKE | Bilpuch. |
| Fe56 | $\Gamma(n,l=0)$ | 1.9 5 | 6.4 5 | | | Shape Analys | | 14 | AP 17 319 | 62 | DKE | Bowman. |
| Fe56 | $\Gamma(n,l=0)$ | -4.4 3 | -4.4 3 | | | AreaAnalysis | | 1 | PR 132 801 | Oct63 | BNL | Moore,J.A.+ |
| | TOTAL WIDTH | | | | | | | | | | | |
| Fe56 | $\Gamma$ | 2.4 5 | 2.4 5 | | | | | 1 | AP 17 319 | 62 | DKE | Bowman. |
| Fe56 | $\Gamma$ | 2.4 5 | 6.4 5 | | | AreaAnalysis | | 69 | AP 17 319 | 62 | DKE | Bowman. |
| Fe56 | $\Gamma$ | 1.9 5 | 6.4 5 | | | Shape Analys | | 19 | AP 17 319 | 62 | DKE | Bowman. |
| Fe56 | $\Gamma$ | 5.0 4 | 5.0 4 | | | AreaAnalysis | | 2 | PR 136B 695 | Nov64 | ORL | Macklin. |
| Fe56 | $\Gamma$ | 1.1 3 | 1.1 3 | | | AreaAnalysis | | 1 | PL 13 234 | Dec64 | ORL | Block. |
| Fe56 | $\Gamma$ | 5.5 5 | 1.3 6 | | | Breit-Wigner | | 18 | CHIEN 67B | Feb67 | CHF | Chien. |
| Fe56 | $\Gamma$ | 5.1 5 | 1.5 6 | | | MultiLvl Pit | | 35 | CHIEN 67B | Feb67 | CHF | Chien. |
| Fe56 | $\Gamma$ | 5.1 5 | 1.3 6 | | | Breit-Wigner | | 20 | CHP 6 15 | Apr68 | CHF | Chien. |
| Fe56 | $\Gamma$ | 5.6 5 | 1.5 6 | | | MultiLvl Pit | | 33 | CHP 6 15 | Apr68 | CHF | Chien. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESCN PARAM | | | | | | | | | | | | | |
| $Fe^{56}$ | Resonance Energy | 1.2 | 3 | 2.2 | 5 | | | TimeOfFlight | 10 | CR-1860 | | 64 | COL | Garg. |
| $Fe^{56}$ | Resonance Energy | 2.3 | 4 | 2.3 | 4 | | | TimeOfFlight | 1 | 65ANTWRP- 88 | | Jul65 | HAR | Moxon,M.C. |
| $Fe^{56}$ | $\sigma(0)$ | 1.2 | 3 | 1.2 | 3 | | | AreaAnalysis | 1 | PR 132 801 | | Oct63 | BNL | Moore,J.A.+ |
| $Fe^{56}$ | Spin of Reson | 1.2 | 3 | 1.2 | 3 | | | AreaAnalysis | 1 | PR 132 801 | | Oct63 | BNL | Moore,J.A.+ |
| $Fe^{56}$ | Spin of Reson | 2.8 | 4 | 2.8 | 4 | | | AreaAnalysis | 1 | PR 136B 695 | | Nov64 | ORL | Macklin. |
| $Fe^{56}$ | Spin of Reson | 5.1 | 5 | 1.3 | 6 | | | Breit-Wigner | 20 | CHIEN 67B | | Feb67 | CHF | Chien. |
| $Fe^{56}$ | Spin of Reson | 5.6 | 5 | 1.5 | 6 | | | MultiLvl Fit | 33 | CHIEN 67B | | Feb67 | CHF | Chien. |
| $Fe^{56}$ | n-Orbit Ang Mom | 1.2 | 3 | 1.2 | 3 | | | | 1 | PL 14 123 | | Jan65 | KUR | Muradyan. |
| $Fe^{56}$ | n-Orbit Ang Mom | 5.1 | 5 | 1.3 | 6 | | | Breit-Wigner | 20 | CHIEN 67B | | Feb67 | CHF | Chien. |
| $Fe^{56}$ | n-Orbit Ang Mom | 5.6 | 5 | 1.5 | 6 | | | MultiLvl Fit | 33 | CHIEN 67B | | Feb67 | CHF | Chien. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | | |
| $Fe^{57}$ | Sigma | 1.1 | 4 | 5.9 | 4 | | Ta$^{181}$ | Scint Tank | 47 | PR 136B 695 | | Nov64 | ORL | Macklin. |
| | (n,n'$\gamma$) REACTION | | | | | | | | | | | | | |
| $Fe^{57}$ | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*$\sigma$(90°) | 1 | PR 102 767 | | May56 | LAS | Day,R.B. |
| $Fe^{57}$ | Sigma | 2.6 | 6 | 2.6 | 6 | N | | 4Pi*$\sigma$(90°) | 1 | PR 102 767 | | May56 | LAS | Day,R.B. |
| | MISC SCATT QUANT | | | | | | | | | | | | | |
| $Fe^{57}$ | $\sigma$(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | | Feb51 | ORL | Shull,C.G.+ |
| $Fe^{57}$ | $\sigma$(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | | Feb51 | ORL | Shull,C.G.+ |
| $Fe^{57}$ | $\sigma$(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | | Feb51 | ORL | Shull,C.G.+ |
| $Fe^{57}$ | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Fe^{57}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation * | 1 | ZN A 16 227 | | Feb61 | HAM | Pollehn,H.+ |
| $Fe^{57}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | PR 122 860 | | May61 | ARK | Chittenden. |
| $Fe^{57}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 | 1 | Jan63 | CR | Cross,W.G.+ |
| | (n,np) REACTION | | | | | | | | | | | | | |
| $Fe^{57}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | PR 122 860 | | May61 | ARK | Chittenden. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Fe^{57}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 88 412 | | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $Fe^{57}$ | Sigma | 2.4 | 4 | 2.6 | 5 | | Absolute | TimeOfFlight | 1222 | MULLER 70J | | Oct70 | KFK | Froehner,F.H.+ |
| | $\gamma$-WIDTH | | | | | | | | | | | | | |
| $Fe^{57}$ | $\Gamma(\gamma)$ | 2.7 | 4 | 2.7 | 4 | | | AreaAnalysis | 1 | PR 136B 695 | | Nov64 | ORL | Macklin. |
| $Fe^{57}$ | $\Gamma(\gamma)$ | 4.0 | 3 | 6.1 | 3 | | | TimeOfFlight | 2 | 65ANTWRP- 88 | | Jul65 | HAR | Moxon,M.C. |
| $Fe^{57}$ | $g\Gamma(\gamma)\Gamma(n)/\Gamma$ | 1.3 | 4 | 2.0 | 4 | | | AreaAnalysis | 6 | PR 136B 695 | | Nov64 | ORL | Macklin. |
| $Fe^{57}$ | $g\Gamma(\gamma)\Gamma(n)/\Gamma$ | 1.3 | 4 | 1.7 | 4 | | | TimeOfFlight | 2 | 65ANTWRP- 88 | | Jul65 | HAR | Moxon,M.C. |
| | n-WIDTH | | | | | | | | | | | | | |
| $Fe^{57}$ | $\Gamma(n)$ | 3.9 | 3 | 6.1 | 3 | | | | 2 | BAP 4 42 | | Jan59 | ORL | Miller. |
| $Fe^{57}$ | $2g\Gamma(n)$ | 3.9 | 3 | 4.5 | 4 | | | AreaAnalysis | 5 | 65ANTWRP- 99 | | Jul65 | ORL | Good. |
| $Fe^{57}$ | $\Gamma(n,l=0)$ | 6.0 | 3 | 6.0 | 3 | | | AreaAnalysis | 2 | AP 14 387 | | 61 | DKE | Bilpuch. |
| $Fe^{57}$ | $2g\Gamma(n,l=0)$ | 3.9 | 3 | 4.5 | 4 | | | AreaAnalysis | 5 | 65ANTWRP- 99 | | Jul65 | ORL | Good. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Fe^{57}$ | Resonance Energy | 1.4 | 5 | 1.5 | 5 | | | | 2 | ANL-5554 55 | | Aug56 | ANL | Hibdon. |
| $Fe^{57}$ | Resonance Energy | 1.3 | 4 | 1.3 | 4 | | | | 1 | BAP 4 42 | | Jan59 | ORL | Miller. |
| $Fe^{57}$ | Resonance Energy | 6.2 | 3 | 1.6 | 5 | | | TimeOfFlight | 2 | CR-1860 | | 64 | COL | Garg. |
| $Fe^{57}$ | Spin of Reson | 3.9 | 3 | 6.1 | 3 | | | | 2 | BAP 4 42 | | Jan59 | ORL | Miller. |
| $Fe^{57}$ | Spin of Reson | 3.6 | 5 | 3.6 | 5 | C | | CaptureGamma | 1 | NP 50 209 | | Jan64 | CRC | Bartholomew,G.A.+ |
| $Fe^{57}$ | Spin of Reson | 2.7 | 4 | 2.7 | 4 | | | AreaAnalysis | 1 | PR 136B 695 | | Nov64 | ORL | Macklin. |
| $Fe^{57}$ | Spin of Reson | 3.9 | 3 | 2.9 | 4 | | | AreaAnalysis | 3 | 65ANTWRP- 99 | | Jul65 | ORL | Good. |
| | LEVEL DENS PARAM | | | | | | | | | | | | | |
| $Fe^{57}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NP 24 274 | | Apr61 | HAR | Allan,D.L. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | | |
| $Fe^{58}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 72 888 | | Nov47 | ANL | Seren,L.+ |
| $Fe^{58}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Ion Chamber | 1 | 55CLEVE-203 | | Dec55 | ORL | Brooksbank. |
| $Fe^{58}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $P^{31}$(n,p) | Activation * | 1 | GRIMELAND 56 | | 56 | KJL | Grimeland,B. |
| $Fe^{58}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 2 | AC 36 1588 | | Jul64 | ISP | Girardi. |
| $Fe^{58}$ | Sigma | 2.5 | -2 | 2.5 | -2 | S | Au(n,$\gamma$) | Activation | 1 | EANDC/E- 57 | 71 | Feb65 | MOL | Fabry,A.+ |
| $Fe^{58}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Activation * | 1 | JNE 24 35 | | Feb70 | NPL | Ryves,T.B. |
| $Fe^{58}$ | Reson Integral | 6.0 | 2 | 6.0 | 2 | | Au(n,$\gamma$) | Activation * | 1 | JNE 17 350 | | Oct63 | AE | Brune,D.+ |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Fe^{58}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | PR 122 860 | | May61 | ARK | Chittenden. |
| $Fe^{58}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation * | 1 | NP 51 337 | | Feb64 | TUR | Bonazzola,G.C.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Fe^{58}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | PR 122 860 | | May61 | ARK | Chittenden. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Fe^{58}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 88 412 | | Oct52 | ORL | Pomerance. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Co^{58}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Burn-up | 1 | INDC-140 21 | Jun66 | FTI | Kondurov,I.A.+ |
| $Co^{58}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Absolute | Burn-up | 1 | INDC-140 21 | Jun66 | FTI | Kondurov,I.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | PR 82 553 | May51 | CR | Yaffe. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 83 1059 | Sep51 | BNL | Deutsch,M.+ |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | JPR 13 171 | Mar52 | FAR | Ailloud. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | CJC 31 391 | 53 | CR | Moss. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | Norm To Abs | Activation | 2 | CJP 31 903 | Sep53 | CRC | Brown,F.+ |
| $Co^{59}$ | Sigma | 1.7 5 | 2.5 6 | | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Co^{59}$ | Sigma | 1.7 5 | 2.5 6 | N | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NUK 2 255 | Dec60 | MUN | Wolf. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| $Co^{59}$ | Sigma | 3.0 4 | 3.0 4 | | Iron | Scint Tank | 1 | PR 122 182 | Apr61 | ORL | Gibbons. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | WASH-1041 37 | Oct62 | MTR | Berreth. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Co^{59}$ | Sigma | 6.5 4 | 6.5 4 | | Indium | Scint Tank | 1 | PR 129 2695 | Mar63 | ORL | Macklin. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | EANDC/E- 57 171 | Feb65 | HAM | Carre,J.C. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | NSE 24 87 | Jan66 | GEL | Vaninbroukx,R. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | NSE 24 87 | Jan66 | GRE | Vaninbroukx,R. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | NSE 24 87 | Jan66 | SAC | Vaninbroukx,R. |
| $Co^{59}$ | Sigma | 1.8 6 | 1.4 7 | | H(n,n) | Activation * | 8 | ZP 205 226 | Aug67 | GEL | Paulsen,A. |
| $Co^{59}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 2 | CJP 46 2325 | Oct68 | CR | Merritt. |
| $Co^{59}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint* | 1 | NP A173 551 | Oct71 | FR | Rigaud,F.+ |
| $Co^{59}$ | Rescn Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | JNE 11 95 | Feb60 | ORL | Johnston,P.J.+ |
| $Co^{59}$ | Reson Integral | 5.0 2 | 5.0 2 | | σ(Thermal) | Proportion C* | 1 | JNE 14 53 | Apr61 | AE | |
| $Co^{59}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | WASH-1041 37 | Oct62 | MTR | Berreth. |
| $Co^{59}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | CJP 41 1263 | 63 | CR | Eastwood,T.A.+ |
| $Co^{59}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| $Co^{59}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | γ-Spectromet | 40 | AE 3 187 | Sep57 | CCP | Groshev,L.V.+ |
| $Co^{59}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | Ge(Li)Detect | 92 | PR 150 894 | Oct66 | LAS | Brooks Shera,E.+ |
| $Co^{59}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Norm To Abs | Ge(Li)Detect | 30 | ZPK/PHA- 24 | Jan67 | ROS | Rudolf,W. |
| | γ,EMISSION | | | | | | | | | | |
| $Co^{59}$ | Sigma | 2.3 6 | 2.9 6 | | Copper | Ion Chamber | 7 | JMJ 26 66 | 44 | JAP | Nonaka,I. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Co^{59}$ | Sigma | 3.7 6 | 3.7 6 | | | Diff Sig Int | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| $Co^{59}$ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PR 115 999 | Aug59 | MON | Pierre,St. |
| $Co^{59}$ | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 25 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| $Co^{59}$ | Sigma | 4.0 6 | 4.0 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| $Co^{59}$ | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | UFZ 11 563 | 66 | UKR | Korzh. |
| $Co^{59}$ | Sigma | 1.3 6 | 1.5 6 | | Carbon | TimeOfFlight | 8 | SMITH 66L | Dec66 | ANL | Smith. |
| $Co^{59}$ | Sigma | 1.5 6 | 1.5 6 | C | Carbon | TimeOfFlight* | 1 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| $Co^{59}$ | Sigma | 2.0 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 9 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| $Co^{59}$ | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Co^{59}$ | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 1 | BAP 1 339 | Nov56 | WES | Weddell. |
| $Co^{59}$ | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 24 | PR 114 1563 | Jun59 | BAR | Machwe. |
| $Co^{59}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 18 | PR 115 999 | Aug59 | MON | Pierre,St. |
| $Co^{59}$ | Ang Distrib | 4.0 6 | 4.0 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| $Co^{59}$ | Ang Distrib | 6.8 5 | 1.2 6 | | Carbon | Biased Scint | 512 | BAP 10 576 A | Jun65 | ANL | Cox,S.A. |
| $Co^{59}$ | Ang Distrib | 3.2 6 | 3.2 6 | | | | 14 | NP 89 154 | 66 | BCM | Becker. |
| $Co^{59}$ | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | UFZ 11 563 | 66 | UKR | Korzh. |
| $Co^{59}$ | Ang Distrib | 7.6 6 | 7.6 6 | | | TimeOfFlight | 11 | PEREY 68C | Mar68 | ORL | Perey. |
| $Co^{59}$ | Ang Distrib | 1.5 6 | 1.5 6 | | Carbon | TimeOfFlight* | 11 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| $Co^{59}$ | Ang Distrib | 2.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 136 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| $Co^{59}$ | Legendre Fit | 3.7 6 | 3.7 6 | | | Ring Geomtry | 7 | PR 114 1563 | Jun59 | BAR | Machwe. |
| $Co^{59}$ | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 100 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| $Co^{59}$ | Legendre Fit | 1.3 6 | 1.5 6 | | Carbon | TimeOfFlight | 39 | SMITH 66L | Dec66 | ANL | Smith. |
| $Co^{59}$ | Legendre Fit | 1.5 6 | 1.5 6 | | Carbon | TimeOfFlight* | 5 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| $Co^{59}$ | Legendre Fit | 2.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 67 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| $Co^{59}$ | Sigma | 1.2 6 | 1.2 6 | | | $He^3$ Spec | 1 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| $Co^{59}$ | Sigma | 1.4 6 | 1.5 6 | | Carbon | TimeOfFlight | 3 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| $Co^{59}$ | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 3 | PR 103 343 | Jul56 | LAS | Cranberg. |
| $Co^{59}$ | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 1 | BAP 1 339 | Nov56 | WES | Weddell. |
| $Co^{59}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 56 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| $Co^{59}$ | Ang Distrib | 7.6 6 | 7.6 6 | | | TimeOfFlight | 10 | PEREY 68C | Mar68 | ORL | Perey. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Co^{59}$ | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 5 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| $Co^{59}$ | Sigma | 1.1 6 | 1.4 6 | | H(n,n) | Ring Geomtry | 18 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| $Co^{59}$ | Ang Distrib | 3.2 6 | 3.2 6 | | | CrystalScint | 5 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| $Co^{59}$ | Ang Distrib | 3.0 6 | 3.0 6 | | At one Angle | Ge(Li)Detect | 44 | ORO/2791-26 (2) | Aug67 | TNC | Morgan. |
| $Co^{59}$ | Ang Distrib | 1.7 6 | 4.5 6 | | H(n,n) | Ge(Li)Detect | 70 | ORO/2791-26 (2) | Aug67 | TNC | Morgan. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Co^{59}$ | Sigma | 3.0 4 | 1.4 6 | | Carbon | Diff Sig Int | 18 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| $Co^{59}$ | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Co^{59}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | C | | Breit-Wigner | 2 | NP 62 529 | Feb65 | SAC | Le Poittevin,G.+ |
| $Co^{59}$ | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Co^{59}$ | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Co^{59}$ | Scatt Amplitude | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.4 7 | 1.4 7 | | $Cf^{252}$(Nu) | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |
| $Co^{59}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | AUJ 13 186 | 60 | CBR | Weigold. |
| $Co^{59}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| $Co^{59}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | | Activation | * | 8 | JPR 22 602 | Oct61 | HAM | Bormann. |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 1 | OSA 99 1 | Jan62 | IRK | Wenusch,R.+ |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Copper | Activation | | 5 | NP 32 106 | Apr62 | CBR | Weigold,E.+ |
| $Co^{59}$ | Sigma | 1.4 | 7 | 2.1 | 7 | | | Activation | | 7 | NP 47 157 | Aug63 | SAC | Jeronymo,J.M.F.+ |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Copper | | | 1 | EANDC/E- 49 82 | Oct63 | FR | Cabe,J.+ |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | EANDC/E- 49 83 | Oct63 | FR | Granger,R.+ |
| $Co^{59}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | H(n,n) | Activation | * | 23 | JNE 19 907 | Nov65 | GEL | Paulsen. |
| $Co^{59}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | H(n,n) | Activation | | 12 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| $Co^{59}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | H(n,n) | Activation | | 6 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| $Co^{59}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | Ratio | Activation | | 6 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| $Co^{59}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | Absolute | Activation | | 7 | NP A 93 74 | Mar67 | KTO | Okumura,S. |
| $Co^{59}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | Metast/Total | Activation | | 7 | NP A 93 74 | Mar67 | KTO | Okumura,S. |
| $Co^{59}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | Ratio | Activation | | 13 | NP A112 513 | May68 | JAD | Decowski. |
| $Co^{59}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | Copper | Activation | | 14 | NP A112 513 | May68 | JAD | Decowski. |
| $Co^{59}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | AUJ 13 186 | 60 | CBR | Weigold. |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | * | 1 | PPS 75 526 | 60 | GLS | Jack,W.+ |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| $Co^{59}$ | Sigma | 1.4 | 7 | 2.1 | 7 | | Absolute | Activation | | 7 | NP 47 157 | Aug63 | SAC | Jeronymo,J.M.F.+ |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | NP 68 445 | Jun65 | ANL | Vonach. |
| $Co^{59}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Co^{59}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate | * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Co^{59}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Proportion C | | 63 | NP 44 597 | Jul63 | MUA | Mohindra,R.K.+ |
| $Co^{59}$ | $(\theta,E)$-Distrib | 1.4 | 7 | 1.4 | 7 | | | | * | 32 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,np) REACTION | | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | p-EMISSION | | | | | | | | | | | | | |
| $Co^{59}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | | 6 | PR 125 1011 | Feb62 | BRN | Hassler. |
| $Co^{59}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| $Co^{59}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Count Telesc | | 8 | NP 44 597 | Jul63 | IND | Mohindra,R.K.+ |
| $Co^{59}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Count Telesc | | 8 | NP 44 597 | Jul63 | MUA | Mohindra,R.K.+ |
| | (n,d) REACTION | | | | | | | | | | | | | |
| $Co^{59}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Count Telesc | | 1 | NP 46 73 | Jul63 | MIL | Colli,L.+ |
| | (n,t) REACTION | | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | | | 1 | AN.PROG.REP.63A | Jan63 | ARK | |
| $Co^{59}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | Au(n,$\gamma$) | Activation | | 1 | HPA 36 298 | May63 | ETH | Heinrich,P.+ |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| | (n,$He^3$) REACTION | | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | S | Another Reac | Activation | | 1 | PR 117 1568 | Mar60 | ARK | Kumabe. |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Accelerator | * | 1 | APA 20 304 | Aug65 | IRK | Prevert,P. |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | C | Absolute | Nuc Emulsion | | 1 | JPJ 13 325 | Apr58 | KTO | Kumabe,I.+ |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | | 1 | PR 110 531 | Apr58 | ORL | Blosser. |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | | 1 | AUJ 13 186 | 60 | CBR | Weigold. |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| $Co^{59}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | | Activation | | 9 | JPR 22 602 | Oct61 | HAM | Bormann. |
| $Co^{59}$ | Sigma | 1.3 | 7 | 1.7 | 7 | | Iron | Activation | | 14 | PR 128 1276 | Nov62 | KTY | Gabbard. |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Arb Units | Nuc Emulsion | * | 9 | NP 39 263 | Dec62 | IRK | Patzak,W.+ |
| $Co^{59}$ | Sigma | 1.3 | 7 | 2.1 | 7 | | Absolute | Activation | | 8 | NP 47 157 | Aug63 | SAC | Jeronymo,J.M.F.+ |
| $Co^{59}$ | Sigma | 5.0 | 6 | 2.0 | 7 | | $S^{32}$(n,p) | Activation | | 33 | CJP 42 1030 | Jun64 | CR | Santry. |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * | 1 | EANDC/E- 57 17 | Feb65 | HAM | Bormann,M.+ |
| $Co^{59}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | Norm To Abs | Activation | * | 28 | JNE 19 73 | Feb65 | GEL | Liskien,H.+ |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $Co^{59}$ | Sigma | 6.6 | 6 | 8.2 | 6 | | H(n,n) | Activation | * | 13 | NUK 8 315 | Aug66 | GEL | Liskien,H.+ |
| $Co^{59}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | Al(n,alpha) | Activation | | 1 | NSE 29 7 | Jul67 | ISP | Bresesti,A.M.+ |
| $Co^{59}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Solidstate C | | 2 | NP A127 81 | Apr69 | OTC | Spira. |
| $Co^{59}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Nuc Emulsion | * | 5 | NP 39 263 | Dec62 | IRK | Patzak,W.+ |
| | alpha-EMISSION | | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.5 | 7 | 1.5 | 7 | C | Absolute | Nuc Emulsion | | 1 | JPJ 13 129 | Feb58 | KTO | Kumabe,I.+ |
| $Co^{59}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Absolute | Nuc Emulsion | | 9 | JPJ 13 129 | Feb58 | KTO | Kumabe,I.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Activation | | 1 | CR 232 2089 | May51 | FAR | Grimeland,B.+ |
| $Co^{59}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Pile Oscilat | | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Co^{59}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Crystal Spec | | 1 | PR 87 487 | Aug52 | ORL | Bernstein,S.+ |
| $Co^{59}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| $Co^{59}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | | 1 | EANDC/E- 57 171 | Feb65 | PAR | Carre,J.C. |
| $Co^{59}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | | * | 1 | AERE/R-6059 | Apr69 | HAR | Silk,M.G.+ |
| $Co^{59}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| $Co^{59}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | | | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| $Co^{59}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,$\gamma$) | Pile Oscilat | | 2 | CEA/R-2486 | 64 | PAR | Vidal,R. |
| $Co^{59}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Boron | Pile Oscilat | | 1 | EANDC/E- 57 170 | Feb65 | PAR | Vidal,R. |
| | NONELASTIC SCATT | | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Total | | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Co^{59}$ | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| $Co^{59}$ | Sigma | 3.7 | 6 | 3.7 | 6 | | | Total | | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Total | | 1 | PR 115 999 | Aug59 | MON | Pierre,St. |
| $Co^{59}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | | 10 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| $Co^{59}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | | 71 | NDL/TR- 86 | Jan67 | TNC | Mathur. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Co^{59}$ | Sigma | 8.0 | 4 | 3.0 | 5 | | Absolute | Accelerator | 37 | PR 84 902 | Dec51 | ANL | Stubbins. |
| $Co^{59}$ | Sigma | 1.8 | 3 | 2.5 | 4 | | Absolute | Accelerator | 17 | PR 85 595 | Feb52 | ANL | Hibdon. |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $Co^{59}$ | Sigma | 8.3 | 5 | 3.0 | 6 | | Absolute | Accelerator | 16 | PR 89 1271 | Mar53 | WIS | Walt. |
| $Co^{59}$ | Sigma | 2.7 | 6 | 1.3 | 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| $Co^{59}$ | Sigma | 6.1 | 1 | 9.9 | 3 | S | Absolute | TimeOfFlight | 95 | BOLLINGER 55D | Apr55 | ANL | Bollinger. |
| $Co^{59}$ | Sigma | 3.8 | 6 | 8.1 | 6 | | Absolute | Accelerator | 41 | PR 105 193 | Jan57 | NRL | Bondelid. |
| $Co^{59}$ | Sigma | 1.5 | 3 | 1.0 | 5 | | | Accelerator | 139 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| $Co^{59}$ | Sigma | 6.1 | 1 | 3.2 | 4 | | Absolute | TimeOfFlight | 221 | PR 111 288 | Jul58 | ANL | Cote. |
| $Co^{59}$ | Sigma | 3.0 | 3 | 1.2 | 5 | | Absolute | Accelerator | 422 | BAP 4 42 | Jan59 | DKE | Miller. |
| $Co^{59}$ | Sigma | 2.8 | 3 | 5.9 | 3 | | Absolute | Accelerator | 34 | BAP 4 42 | Jan59 | ORL | Miller. |
| $Co^{59}$ | Sigma | 3.7 | 6 | 3.7 | 6 | | Absolute | Accelerator | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| $Co^{59}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | PR 115 999 | Aug59 | MON | Pierre,St. |
| $Co^{59}$ | Sigma | 1.7 | 7 | 2.9 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| $Co^{59}$ | Sigma | 2.8 | 3 | 6.0 | 3 | | Absolute | TimeOfFlight | 77 | BAP 5 449 | Nov60 | ORL | Good,W.M.+ |
| $Co^{59}$ | Sigma | 5.9 | 2 | 2.2 | 5 | | Absolute | TimeOfFlight | 3806 | BAP 8 334 | Apr63 | COL | Singh. |
| $Co^{59}$ | Sigma | 5.9 | 2 | 9.3 | 6 | P | Absolute | TimeOfFlight | 18895 | BAP 8 334 | Apr63 | COL | Singh. |
| $Co^{59}$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 244 | POSTER 67E | May67 | BNW | Poster. |
| $Co^{59}$ | Sigma | 4.5 | 6 | 7.6 | 6 | | Absolute | Accelerator | 61 | PR 158 1142 | Jun67 | WIS | Carlson. |
| $Co^{59}$ | Sigma | 4.5 | 6 | 7.5 | 6 | S | Absolute | Accelerator | 61 | PR 158 1142 | Jun67 | WIS | Carlson. |
| $Co^{59}$ | Sigma | 4.9 | 5 | 1.2 | 6 | | Absolute | CrystalScint | 186 | NP A102 92 | Sep67 | FR | Cabe. |
| $Co^{59}$ | Sigma | 3.3 | 6 | 5.1 | 6 | | Absolute | Transmission | 65 | ARS 64 373 | Dec68 | JNE | |
| $Co^{59}$ | Sigma | 3.6 | 5 | 3.2 | 7 | | Absolute | TimeOfFlight* | 6178 | KFK-1000 S2 | Feb69 | KFK | Cierjacks,S.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Co^{59}$ | $\Gamma(\gamma)$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | BAP 6 274 | 61 | ORL | Muenzer. |
| $Co^{59}$ | $\Gamma(\gamma)$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | NSE 17 319 | 63 | BNL | Jain. |
| $Co^{59}$ | $\Gamma(\gamma)$ | 1.3 | 2 | 1.3 | 2 | | | | 1 | AERE/PR/NP- 4 16 | May63 | HAR | Moxon. |
| $Co^{59}$ | $\Gamma(\gamma)$ | 4.3 | 3 | 1.7 | 4 | | | TimeOfFlight | 7 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| $Co^{59}$ | $\Gamma(\gamma)$ | 6.4 | 3 | 1.2 | 4 | | Absolute | TimeOfFlight | 5 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| | n-WIDTH | | | | | | | | | | | | |
| $Co^{59}$ | $\Gamma(n)$ | 1.3 | 2 | 1.3 | 2 | | | Breit-Wigner | 1 | NP 62 529 | Feb65 | SAC | Le Poittevin,G.+ |
| $Co^{59}$ | $\Gamma(n)$ | 4.3 | 3 | 2.7 | 4 | | | AreaAnalysis | 13 | GARG 66 | 66 | COL | Garg,J.B. |
| $Co^{59}$ | $\Gamma(n)$ | 4.3 | 3 | 1.2 | 5 | | | AreaAnalysis | 55 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Co^{59}$ | $\Gamma(n)$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | NST 7 7 | Jan70 | JAE | Nakayima,Y.+ |
| $Co^{59}$ | $g\Gamma(n)$ | 4.0 | 3 | 1.2 | 5 | | | AreaAnalysis | 97 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Co^{59}$ | $2g\Gamma(n)$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | NSE 17 319 | 63 | BNL | Jain. |
| $Co^{59}$ | $2g\Gamma(n)$ | 1.3 | 2 | 1.3 | 2 | | | Shape Analys | 1 | NP 62 529 | Feb65 | SAC | Le Poittevin,G.+ |
| $Co^{59}$ | $2g\Gamma(n)$ | 1.3 | 2 | 4.5 | 4 | | | | 5 | 65ANTWRP- 86 | Jul65 | SAC | Morgenstern,J.+ |
| $Co^{59}$ | $2g\Gamma(n)$ | 4.0 | 3 | 7.7 | 4 | | | Shape Analys | 53 | 65ANTWRP- 86 | Jul65 | SAC | Morgenstern,J.+ |
| $Co^{59}$ | $2g\Gamma(n)$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | NST 7 7 | Jan70 | JAE | Nakayima,Y.+ |
| $Co^{59}$ | $\Gamma(n,l=0)$ | 1.3 | 2 | 1.3 | 2 | | | | 1 | 65ANTWRP- 86 | Jul65 | SAC | Morgenstern,J.+ |
| $Co^{59}$ | $\Gamma(n,l=0)$ | 4.3 | 3 | 2.7 | 4 | | | AreaAnalysis | 13 | GARG 66 | 66 | COL | Garg,J.B. |
| $Co^{59}$ | $\Gamma(n,l=0)$ | 4.3 | 3 | 1.2 | 5 | | | AreaAnalysis | 55 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Co^{59}$ | $g\Gamma(n,l=0)$ | 4.0 | 3 | 1.2 | 5 | | | AreaAnalysis | 97 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Co^{59}$ | $2g\Gamma(n,l=0)$ | 1.3 | 2 | 7.7 | 4 | | | | 57 | 65ANTWRP- 86 | Jul65 | SAC | Morgenstern,J.+ |
| $Co^{59}$ | $2g\Gamma^2(n)/\Gamma$ | 1.4 | 3 | 4.0 | 3 | | Absolute | TimeOfFlight | 4 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Co^{59}$ | $\Gamma$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Co^{59}$ | $\Gamma$ | 4.7 | 3 | 2.8 | 4 | | | AreaAnalysis | 6 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| $Co^{59}$ | $\Gamma$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | NSE 17 319 | 63 | BNL | Jain. |
| $Co^{59}$ | $\Gamma$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | NST 7 7 | Jan70 | JAE | Nakayima,Y.+ |
| $Co^{59}$ | $\Gamma\sigma(0)$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Co^{59}$ | $\Gamma^2\sigma(0)$ | 1.3 | 2 | 1.3 | 2 | | | | 1 | KAPL-1084 47 | Mar54 | KAP | Yeater,M.L.+ |
| $Co^{59}$ | $\Gamma^2\sigma(0)$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Co^{59}$ | Resonance Energy | 1.3 | 2 | 3.0 | 4 | | | TimeOfFlight | 9 | PR 111 288 | Jul58 | ANL | Cote. |
| $Co^{59}$ | Resonance Energy | 4.9 | 3 | 3.0 | 4 | | | | 8 | BAP 4 42 | Jan59 | ORL | Miller. |
| $Co^{59}$ | Resonance Energy | 4.8 | 3 | 5.0 | 3 | | | TimeOfFlight | 2 | BAP 5 449 | Nov60 | ORL | Good,W.M.+ |
| $Co^{59}$ | Resonance Energy | 1.3 | 2 | 1.0 | 5 | | | TimeOfFlight | 57 | CR-1860 | 64 | COL | Garg. |
| $Co^{59}$ | Resonance Energy | 7.0 | 3 | 7.0 | 3 | | | TimeOfFlight | 1 | 65ANTWRP- 88 | Jul65 | HAR | Moxon,M.C. |
| $Co^{59}$ | Resonance Energy | 1.4 | 3 | 1.2 | 5 | | | AreaAnalysis* | 107 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Co^{59}$ | Resonance Energy | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | NST 7 7 | Jan70 | JAE | Nakayima,Y.+ |
| $Co^{59}$ | $\sigma(0)$ | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Co^{59}$ | Spin of Reson | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | NSE 17 319 | 63 | BNL | Jain. |
| $Co^{59}$ | Spin of Reson | 4.3 | 3 | 5.0 | 3 | | Absolute | TimeOfFlight | 2 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Co^{59}$ | Spin of Reson | 4.3 | 3 | 4.6 | 4 | | | TimeOfFlight | 18 | CR-1860 | 64 | COL | Garg. |
| $Co^{59}$ | Spin of Reson | 1.3 | 2 | 1.3 | 2 | | | Breit-Wigner | 1 | NP 62 529 | Feb65 | SAC | Le Poittevin,G.+ |
| $Co^{59}$ | Spin of Reson | 4.3 | 3 | 1.2 | 5 | | | AreaAnalysis | 55 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Co^{59}$ | Spin of Reson | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | NST 7 7 | Jan70 | JAE | Nakayima,Y.+ |
| $Co^{59}$ | n-Orbit Ang Mom | 4.3 | 3 | 1.2 | 5 | | | AreaAnalysis | 68 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Co^{59}$ | Strength Fn(l=0) | 1.5 | 4 | 1.5 | 4 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| $Co^{59}$ | Strength Fn(l=0) | 3.0 | 4 | 3.0 | 4 | | | Shape Analys | 2 | 64PARIS/II- 748 | Jul64 | SAC | Julien,J.+ |
| $Co^{59}$ | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Co^{59}$ | Strength Fn(l=0) | 4.0 | 4 | 1.2 | 5 | | | AreaAnalysis | 6 | INDC-156 P.64 | Oct66 | SAC | Julien,J.+ |
| $Co^{59}$ | Strength Fn(l=0) | 3.5 | 4 | 1.2 | 5 | | | AreaAnalysis | 3 | PL 23 683 | Dec66 | SAC | Marschall,M.+ |
| $Co^{59}$ | Strength Fn(l=0) | 1.2 | 5 | 1.2 | 5 | | | | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Co^{59}$ | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Co^{59}$ | Strength Fn(l=1) | 1.2 | 5 | 1.2 | 5 | | | | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Co^{59}$ | Nucl Temperature | 1.5 | 7 | 1.5 | 7 | | | | 4 | NP 44 597 | Jul63 | MUA | Mohindra,R.K.+ |
| $Co^{59}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Co^{60}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | Photo Plate * | 1 | OSA 97 13 | Jan60 | IRK | Czapp,B.+ |
| $Co^{60}$ | Fermi Param: a | 1.4 | 7 | 1.4 | 7 | | | * | 1 | BORMANN 70A | Jan70 | HAM | Bormann,M.+ |
| $Co^{60}$ | Spin cut-off Par | 1.4 | 7 | 1.4 | 7 | | | | 1 | BORMANN 70A | Jan70 | HAM | Bormann,M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Ni | Sigma | 2.5 | 4 | 8.3 | 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Ni | Sigma | 1.7 | 5 | 1.0 | 6 | | U235(n,f) | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Ni | Sigma | 3.5 | 4 | 9.5 | 5 | | U235(n,f) | Ring Geomtry | 13 | AE 10 264 | Mar61 | CCP | Stavisskii. |
| Ni | Sigma | 3.5 | 4 | 9.5 | 5 | N | U235(n,f) | Ring Geomtry | 13 | AE 10 264 | Mar61 | CCP | Stavisskii. |
| Ni | Sigma | 3.0 | 4 | 6.5 | 4 | | Iron | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Ni | Sigma | 3.0 | 1 | 3.2 | 4 | | σ(Thermal) | Slowing-Down | 69 | AE 15 120 | Aug63 | LEB | Kapchigashev. |
| Ni | Sigma | 2.4 | 4 | 2.4 | 4 | | | | 1 | 66PARIS/I- 455 | Oct66 | OBN | Belanova. |
| Ni | Sigma | 1.3 | 5 | 1.8 | 5 | | Ta181 | Liquid Scint | 3 | PR 159 1007 | Jul67 | ORL | Macklin. |
| Ni | Sigma | 2.5 | 3 | 1.9 | 5 | | | TimeOfFlight | 3277 | BLOCK 68E | May68 | RPI | Block. |
| Ni | Sigma | 9.0 | 5 | 8.3 | 6 | C | Absolute | TimeOfFlight* | 10 | NP A120 161 | Nov68 | FOA | Berggvist,B.+ |
| Ni | Sigma | 8.1 | 3 | 1.1 | 5 | | Indium | TimeOfFlight* | 37 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| Ni | Spectrum | 2.5 | 4 | 2.5 | 4 | | Absolute | γ-Spectromet | 44 | YF 3 444 | Mar66 | CCP | Groshev,L.V.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| Ni | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 6 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| Ni | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | γ-Spectromet | 10 | TNC-2791 | Feb62 | TNC | Nellis. |
| Ni | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | TimeOfFlight | 12 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| Ni | Ang Distrib | 5.5 | 6 | 8.5 | 6 | | Carbon | CrystalScint | 35 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Ni | Ang Distrib | 3.5 | 6 | 4.5 | 6 | | Lead | CrystalScint | 10 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Ni | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Carbon | Ge(Li)Detect* | 9 | AP 39 295 | Apr69 | LND | Joensson,B.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Ni | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ni | Sigma | 3.7 | 6 | 3.7 | 6 | | | Diff Sig Int | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Ni | Sigma | 9.0 | 5 | 9.0 | 5 | | | Ring Geomtry | 1 | AE 13 60 | Jul62 | CCP | Lovchikova. |
| Ni | Sigma | 6.5 | 5 | 6.5 | 5 | | | Diff Sig Int | 1 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Ni | Sigma | 3.0 | 5 | 3.0 | 5 | | | Diff Sig Int | 1 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Ni | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | NP 48 152 | Oct63 | LRL | Bauer,R.W.+ |
| Ni | Sigma | 5.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 2 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Ni | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Ni | Sigma | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 25 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Ni | Sigma | 2.0 | 6 | 2.0 | 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Ni | Sigma | 3.2 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 91 | SMITH 66L | Dec66 | ANL | Smith. |
| Ni | Sigma | 1.4 | 7 | 1.4 | 7 | | At one Angle | Diff Sig Int | 1 | NP A 95 320 | Apr67 | CR | Clarke. |
| Ni | Sigma | 3.0 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight* | 7 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Ni | Sigma | 1.8 | 6 | 2.8 | 6 | | H(n,n) | TimeOfFlight* | 5 | AE- 385 | Sep70 | AE | Holmqvist,B.+ |
| Ni | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ni | Ang Distrib | 1.0 | 6 | 1.5 | 6 | | | Ring Geomtry | 3 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Ni | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 1 | BAP 1 339 | Nov56 | WES | Weddell. |
| Ni | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | | Biased Scint | 13 | PR 109 2105 | Mar58 | WES | Hill. |
| Ni | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 24 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Ni | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 9 | UPZ 5 704 | 60 | UKR | Strizhak,V.I.+ |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | S | | TimeOfFlight | 27 | CROSS 62D | Apr62 | CR | Cross. |
| Ni | Ang Distrib | 9.0 | 5 | 9.0 | 5 | | | Ring Geomtry | 5 | AE 13 60 | Jul62 | CCP | Lovchikova. |
| Ni | Ang Distrib | 6.5 | 5 | 6.5 | 5 | | | Threshold C | 8 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Ni | Ang Distrib | 3.0 | 5 | 3.0 | 5 | | | Threshold C | 8 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Ni | Ang Distrib | 6.7 | 5 | 1.2 | 6 | | Carbon | Biased Scint | 544 | BAP 8 478 | Aug63 | ANL | Grench. |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 32 | NP 48 152 | Oct63 | LRL | Bauer,R.W.+ |
| Ni | Ang Distrib | 5.0 | 5 | 8.0 | 5 | | | Threshold C | 16 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 3 | 64PARIS/II- 872 | Jul64 | BOR | Roturier,J.+ |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 10 | NP 68 97 | Jun65 | ORL | Stelson. |
| Ni | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 33 | NP A 95 320 | Apr67 | CR | Clarke. |
| Ni | Ang Distrib | 2.0 | 6 | 3.3 | 6 | | H(n,n) | TimeOfFlight | 36 | NP A125 641 | Mar69 | JAE | Tsukada,K.+ |
| Ni | Ang Distrib | 3.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 112 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Ni | Ang Distrib | 1.8 | 6 | 2.8 | 6 | | H(n,n) | TimeOfFlight* | 90 | AE- 385 | Sep70 | AE | Holmqvist,B.+ |
| Ni | Legendre Fit | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 7 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Ni | Legendre Fit | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 100 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Ni | Legendre Fit | 3.2 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 455 | SMITH 66L | Dec66 | ANL | Smith. |
| Ni | Legendre Fit | 3.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 57 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Ni | Legendre Fit | 1.8 | 6 | 2.8 | 6 | | H(n,n) | TimeOfFlight* | 30 | AE- 385 | Sep70 | AE | Holmqvist,B.+ |
| Ni | Polarizat n-out | 4.0 | 5 | 1.0 | 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| Ni | Polarizat n-out | 3.3 | 6 | 3.3 | 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | ELASTIC+SCMB INEL | | | | | | | | | | | | |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 10 | 64PARIS/II- 872 | Jul64 | BOR | Roturier,J.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| Ni | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Ni | Sigma | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 1 | AE 11 398 | 61 | CCP | Sukhanov. |
| Ni | Ang Distrib | 2.4 | 6 | 2.4 | 6 | | At one Angle | Biased Scint | 8 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Ni | Ang Distrib | 2.4 | 6 | 2.4 | 6 | | H(n,n) | Biased Scint | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Ni | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 1 | BAP 1 339 | Nov56 | WES | Weddell. |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 2 | 64PARIS/II- 872 | Jul64 | BOR | Roturier,J.+ |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 1 | BAP 10 498 | Apr65 | LRL | Schectman,R.M.+ |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 13 | NP 68 97 | Jun65 | ORL | Stelson. |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 40 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | At one Angle | PlasticScint | 18 | NP A 95 320 | Apr67 | CR | Clarke. |
| Ni | Ang Distrib | 2.0 | 6 | 3.5 | 6 | | H(n,n) | TimeOfFlight | 43 | NP A125 641 | Mar69 | JAE | Tsukada,K.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| Ni | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 8 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| Ni | Sigma | 3.2 | 6 | 3.2 | 6 | | | CrystalScint | 4 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Ni | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*σ(90°) | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ni | Sigma | 2.6 | 6 | 2.6 | 6 | N | | 4Pi*σ(90°) | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ni | Sigma | 1.3 | 6 | 2.6 | 6 | | H(n,n) | Ring Geomtry | 18 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| Ni | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Crystal Spec | 4 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E. |
| Ni | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | CrystalScint | 4 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Ni | Ang Distrib | 2.6 | 6 | 2.6 | 6 | | | Ring Geomtry | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| Ni | Sigma | 6.0 | 4 | 1.4 | 6 | | Carbon | Diff Sig Int | 18 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Ni | Ang Distrib | 6.0 | 4 | 1.4 | 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MISC SCATT QUANT | | | | | | | | | | |
| Ni | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Scattering | 1 | PR 83 379 | Jul51 | BNL | Weiss. |
| Ni | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni | σ(Free Atom) | 1.4 0 | 1.4 0 | | | Extrapolatn | 1 | ORNL-1164 34 | 51 | ORL | Rayburn. |
| Ni | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Ni | Sigma | 1.4 7 | 1.4 7 | | Cf252(Nu) | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |
| Ni | Sigma | 1.3 7 | 1.6 7 | | Copper | Activation | 7 | INR- 680/I/PH | Dec65 | JAD | Chojnacki,S.+ |
| | (n,X>3n) REACTION | | | | | | | | | | |
| Ni | Sigma | 1.3 7 | 1.6 7 | | Absolute | Accelerator | 7 | PR 100 972 | Nov55 | MEX | Mazari. |
| | (n,p) REACTION | | | | | | | | | | |
| Ni | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | PR 108 779 | Nov57 | PEN | Verbinski. |
| Ni | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| Ni | σ(Compound) | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | PR 132 378 | Oct63 | NWU | Singletary,L.D.+ |
| Ni | σ(Direct) | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | PR 132 378 | Oct63 | NWU | Singletary,L.D.+ |
| Ni | Ang Distrib | 1.4 7 | 1.4 7 | | | Biased Scint | 8 | PR 108 779 | Nov57 | PEN | Verbinski. |
| | (n,np) REACTION | | | | | | | | | | |
| Ni | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | p-EMISSION | | | | | | | | | | |
| Ni | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | PR 132 378 | Oct63 | NWU | Singletary,L.D.+ |
| Ni | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 6 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | (n,t) REACTION | | | | | | | | | | |
| Ni | Sigma | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation | 1 | HPA 36 298 | May63 | ETH | Heinrich,F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| Ni | Sigma | 1.0 6 | 1.0 6 | | | Mass Spec * | 4 | WEITMAN 70J | Oct70 | AE | Weitman,J.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ni | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Activation | 1 | CR 232 2089 | May51 | PAR | Grimeland,B.+ |
| Ni | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ni | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Ni | Reson Integral | 5.0 -1 | 5.0 -1 | | Boron | Pile Oscilat | 1 | EANDC/E- 57 170 | Feb65 | PAR | Vidal,R. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Ni | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ni | Sigma | 4.0 6 | 4.5 6 | | Absolute | Shell Trans | 2 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Ni | Sigma | 3.3 6 | 3.3 6 | | Absolute | Shell Trans | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Ni | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Ni | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Ni | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Ni | Sigma | 1.0 6 | 7.0 6 | | Absolute | Shell Trans | 3 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Ni | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Ni | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Ni | Sigma | 2.9 6 | 2.9 6 | | | Proportion C | 1 | AE 5 565 | Dec58 | CCP | Kukhtevich,V.I.+ |
| Ni | Sigma | 3.7 6 | 3.7 6 | | | Total | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Ni | Sigma | 1.5 6 | 2.4 6 | | Absolute | Shell Trans | 6 | AE 12 62 | Jan62 | CCP | Abramov. |
| Ni | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 19 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| Ni | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight* | 11 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ni | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Ni | Sigma | 1.4 0 | 1.4 0 | | | | 1 | ORNL-1164 34 | 51 | ORL | Rayburn. |
| Ni | Sigma | 2.3 0 | 9.2 3 | | Absolute | TimeOfFlight | 100 | PRS 215 278 | 52 | HAR | Wiblin,E.R.+ |
| Ni | Sigma | 2.1 4 | 4.1 4 | | Absolute | Accelerator | 12 | PR 85 595 | Feb52 | ANL | Hibdon. |
| Ni | Sigma | 8.5 5 | 3.2 6 | | Absolute | Accelerator | 15 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Ni | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Ni | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Ni | Sigma | 1.7 2 | 1.6 5 | | Absolute | Accelerator | 190 | HIBDON 54B | Feb54 | ANL | Hibdon. |
| Ni | Sigma | 8.2 -4 | 5.5 -3 | | Absolute | TimeOfFlight | 36 | PALEVSKY 54C | Mar54 | BNL | Palevsky. |
| Ni | Sigma | 2.7 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Ni | Sigma | 3.9 -2 | 9.7 -1 | | Absolute | Crystal Spec | 102 | PR 96 1297 | Dec54 | ORL | Allen. |
| Ni | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Ni | Sigma | 7.2 6 | 2.6 7 | S | Absolute | Biased Scint | 6 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Ni | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Ni | Sigma | 1.0 -1 | 7.9 -1 | | Absolute | TimeOfFlight | 10 | NC 11 262 | Jan59 | CIS | Carrelli,A.+ |
| Ni | Sigma | 3.7 6 | 3.7 6 | | Absolute | Accelerator | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Ni | Sigma | 1.2 7 | 2.0 7 | | Absolute | PlasticScint | 12 | NP 16 313 | May60 | HAR | Mccallum,G.J.+ |
| Ni | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 5 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Ni | Sigma | 5.1 3 | 3.5 5 | | Absolute | TimeOfFlight | 1798 | BAP 7 288 | Apr62 | COL | Amram. |
| Ni | Sigma | 5.1 3 | 5.4 5 | P | Absolute | TimeOfFlight | 3689 | BAP 7 288 | Apr62 | COL | Amram. |
| Ni | Sigma | 3.8 6 | 5.2 6 | | | Accelerator | 154 | EANDC/E- 49 66 | Oct63 | PR | Cabe,J.+ |
| Ni | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 51 381 | Jan65 | ORL | Rayburn,L.A. |
| Ni | Sigma | 4.7 5 | 1.5 6 | | | | 102 | SMITH 65H | Aug65 | ANL | Smith. |
| Ni | Sigma | 1.0 5 | 5.5 5 | | Absolute | Accelerator | 445 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| Ni | Sigma | 5.2 5 | 6.5 5 | | Absolute | TimeOfFlight | 105 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| Ni | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 248 | FOSTER 67E | May67 | BNW | Foster. |
| Ni | Sigma | 5.7 5 | 4.4 6 | | Absolute | TimeOfFlight | 2449 | SCHWARTZ 68C | Mar68 | NBS | Schwartz. |
| Ni | Sigma | 5.0 5 | 3.2 7 | | Absolute | TimeOfFlight* | 5115 | KFK-1000 S1 | Oct68 | KFK | Cierjacks,S.+ |
| Ni | Sigma | 9.7 4 | 1.2 6 | | Absolute | CrystalScint* | 295 | 70HELSNK/II- 31 | Jun70 | BRC | Cabe,J.+ |
| | γ-WIDTH | | | | | | | | | | |
| Ni | <Γ(γ)> | 2.0 4 | 5.0 4 | | | AreaAnalysis* | 2 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Ni | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Ni | Nucl Temperature | 1.4 7 | 1.4 7 | | Absolute | Count Telesc | 1 | ZP 201 241 | Apr67 | GER | Emmerich,W.D.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | | |
| Ni58 | Sigma | 9.0 | 5 | 8.3 | 6 | C | Absolute | TimeOfFlight* | | 10 | NP A120 161 | Nov68 | POA | Bergqvist,B.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.4 | 0 | 1.4 | 0 | | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Ni58 | Sigma | 2.3 | 6 | 2.3 | 6 | | Carbon | Diff Sig Int | | 1 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| Ni58 | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | Carbon | TimeOfFlight | | 5 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| | INEL SCATTERING | | | | | | | | | | | | | |
| Ni58 | Sigma | 7.0 | 6 | 7.0 | 6 | | H(n,n) | 4Pi*σ(90°) | | 21 | NP A100 257 | Jul67 | ALD | Towle,J.H.+ |
| Ni58 | Sigma | 2.3 | 6 | 2.3 | 6 | | Carbon | Diff Sig Int | | 1 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Arb Units | 4Pi*σ(90°) * | | 1 | AF 39 295 | Apr69 | LND | Joensson,B.+ |
| Ni58 | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | Carbon | TimeOfFlight | | 5 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| Ni58 | Ang Distrib | 2.0 | 6 | 4.5 | 6 | | H(n,n) | TimeOfFlight | | 50 | NP A125 641 | Mar69 | JAE | Tsukada,K.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | | |
| Ni58 | Sigma | 4.4 | 6 | 4.4 | 6 | | | CrystalScint | | 2 | PR 102 461 | Apr56 | WES | Sinclair,R.M. |
| Ni58 | Sigma | 2.6 | 6 | 2.6 | 6 | | Absolute | 4Pi*σ(90°) | | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ni58 | Sigma | 2.6 | 6 | 2.6 | 6 | N | | 4Pi*σ(90°) | | 1 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ni58 | Sigma | 1.5 | 6 | 4.1 | 6 | | Iron | Ring Geomtry | | 59 | AE 16 103 | Feb64 | OBN | Broder,D.L.+ |
| Ni58 | Sigma | 1.4 | 6 | 2.6 | 6 | | H(n,n) | Ring Geomtry | | 16 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li)Detect* | | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Ge(Li)Detect* | | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| Ni58 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Iron | CrystalScint | | 2 | BAP 14 104 | Feb69 | WVU | Mckinney. |
| | MISC SCATT QUANT | | | | | | | | | | | | | |
| Ni58 | σ(Potential) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni58 | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni58 | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni58 | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni58 | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Crystal Spec | | 1 | PR 87 487 | Aug52 | ORL | Bernstein,S.+ |
| Ni58 | σ(Free Atom) | 2.5 | -2 | 2.5 | -2 | | | Crystal Spec | | 1 | PR 87 487 | Aug52 | ORL | Bernstein,S.+ |
| Ni58 | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni58 | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Crystal Spec | | 1 | PR 87 487 | Aug52 | ORL | Bernstein,S.+ |
| | (n,2n) REACTION | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | AUJ 12 103 | 59 | CBR | Purser. |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}$(n,2n) | Activation | | 1 | BAP 4 288 | Apr59 | ANL | Rayburn. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| Ni58 | Sigma | 1.4 | 7 | 2.0 | 7 | | $U^{238}$(n,f) | Activation | | 9 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | Copper | Activation | | 9 | NP 29 309 | Jan62 | CBR | Glover,R.N.+ |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | BAP 7 335 | Apr62 | CR | Cross,W.G.+ |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | S | Al(n,alpha) | Activation | | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| Ni58 | Sigma | 1.3 | 7 | 2.1 | 7 | | | Activation | | 8 | NP 47 157 | Aug63 | SAC | Jeronymo,J.M.F.+ |
| Ni58 | Sigma | 1.3 | 7 | 2.1 | 7 | | Absolute | Activation | | 8 | NP 47 157 | Aug63 | SAC | Jeronymo,J.M.F.+ |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| Ni58 | Sigma | 1.3 | 7 | 2.0 | 7 | | H(n,n) | Activation * | | 25 | NUK 7 117 | Jan65 | GEL | Paulsen. |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | Arb Units | Activation * | | 24 | 65ANTWRP-102 A | Jul65 | DEB | Csikai,J. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation * | | 1 | 65ANTWRP-102 B | Jul65 | DEB | Csikai,J. |
| Ni58 | Sigma | 1.3 | 7 | 2.0 | 7 | | | Activation * | | 10 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation * | | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | | Activation | | 2 | BAP 12 921 | Sep67 | NDL | Temperley,J.K. |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | | Activation | | 11 | NSE 32 195 | May68 | NDL | Temperley. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | SUHP/69- 2 | Jan69 | LRL | Barrall. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Activation * | | 1 | NP A138 387 | Dec69 | LRL | Barrall. |
| | (n,p) REACTION | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | AUJ 12 103 | 59 | CBR | Purser. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| Ni58 | Sigma | 1.3 | 7 | 1.6 | 7 | | | CrystalScint* | | 2 | PPS 75 526 | 60 | GLS | Jack,W.+ |
| Ni58 | Sigma | 2.2 | 6 | 3.5 | 6 | | $P^{31}$(n,p) | Activation | | 10 | PR 120 1319 | Nov60 | CHL | Gonzalez. |
| Ni58 | Sigma | 3.3 | 6 | 3.3 | 6 | | | Activation | | 1 | NP 24 340 | Apr61 | CHL | Van Loef,J.J. |
| Ni58 | Sigma | 1.6 | 6 | 1.5 | 7 | | $U^{235}$(n,f) | Activation | | 13 | JNE 16 467 | 62 | ALD | Barry. |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | Copper | Activation | | 11 | NP 29 309 | Jan62 | CBR | Glover,R.N.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 3 | PR/P- 53 7 | Mar62 | CR | Cross. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | BAP 7 335 | Apr62 | CR | Cross,W.G.+ |
| Ni58 | Sigma | 1.8 | 6 | 4.8 | 6 | | | Activation * | | 13 | JPJ 17 1215 | Aug62 | JAE | Nakai,K.+ |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | S | Al(n,alpha) | Activation | | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| Ni58 | Sigma | 1.0 | 6 | 2.7 | 6 | | $U^{235}$(n,f) | Activation | | 11 | PR 130 2022 | Jun63 | ANL | Blosser. |
| Ni58 | Sigma | 1.3 | 7 | 2.1 | 7 | | Absolute | Activation | | 8 | NP 47 157 | Aug63 | SAC | Jeronymo,J.M.F.+ |
| Ni58 | Sigma | 2.2 | 6 | 3.8 | 6 | | H(n,n) | Solidstate C* | | 36 | NP 48 191 | Oct63 | AE | Konijn. |
| Ni58 | Sigma | 1.0 | 6 | 1.0 | 6 | | $S^{32}$(n,p) | Activation | | 2 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| Ni58 | Sigma | 1.0 | 6 | 1.0 | 6 | | $Co^{59}$ | | | 2 | EANDC/E- 57 69 | Feb65 | MOL | Fabry. |
| Ni58 | Sigma | 1.0 | 6 | 1.0 | 6 | | $Co^{59}$ | CrystalScint | | 1 | EANDC/E- 57 69 | Feb65 | MOL | Fabry. |
| Ni58 | Sigma | 8.4 | 6 | 2.2 | 7 | | | Solidstate C | | 8 | NP 70 89 | Aug65 | FRK | Debertin,K.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| Ni58 | Sigma | 1.3 | 7 | 2.0 | 7 | | H(n,n) | Activation * | | 10 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| Ni58 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Burn-up | | 1 | INDC-140 21 | Jun66 | PTI | Kondurov,I.A.+ |
| Ni58 | Sigma | 1.3 | 7 | 1.3 | 7 | | H(n,n) | Activation | | 2 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| Ni58 | Sigma | 1.3 | 7 | 1.3 | 7 | | Ratio | Activation | | 1 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| Ni58 | Sigma | 1.3 | 7 | 1.5 | 7 | | Absolute | Activation | | 6 | NP A 93 74 | Mar67 | KTO | Okumura,S. |
| Ni58 | Sigma | 1.3 | 7 | 1.5 | 7 | | Metast/Total | Activation | | 6 | NP A 93 74 | Mar67 | KTO | Okumura,S. |
| Ni58 | Sigma | 2.2 | 6 | 3.6 | 6 | P | | * | | 6 | SYMONDS 67C | Mar67 | AML | Armitage,F.G. |
| Ni58 | Sigma | 1.0 | 6 | 1.0 | 6 | | Al(n,alpha) | Activation | | 2 | NSE 29 7 | Jul67 | ISP | Bresesti,A.M.+ |
| Ni58 | Sigma | 2.6 | 6 | 1.5 | 7 | | | Activation | | 2 | BAP 12 921 | Sep67 | NDL | Temperley,J.K. |
| Ni58 | Sigma | 1.8 | 6 | 1.8 | 7 | | Ratio | Activation | | 20 | NP A112 513 | May68 | JAD | Decowski. |
| Ni58 | Sigma | 1.9 | 6 | 1.7 | 7 | | Copper | Activation | | 16 | NP A112 513 | May68 | JAD | Decowski. |
| Ni58 | Sigma | 2.2 | 6 | 1.5 | 7 | | | Activation | | 18 | NSE 32 195 | May68 | NDL | Temperley. |
| Ni58 | Sigma | 3.1 | 6 | 3.1 | 6 | | Al(n,alpha) | Activation | | 1 | JNE 22 387 | Jun68 | DAR | Shaalan. |
| Ni58 | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | SUHP/69- 2 | Jan69 | LRL | Barrall. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Activation * | | 1 | NP A138 387 | Dec69 | LRL | Barrall. |
| Ni58 | Sigma | 9.9 | 5 | 1.6 | 7 | | Absolute | Activation * | | 39 | 71CANTERB- 16 | Sep71 | GEL | Paulsen,A.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION (CONTINUED) | | | | | | | | | | | | | | |
| Ni58 | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | PPS | 70 | 195 | 57 | HAR | Allan. |
| Ni58 | σ(Compound) | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Diff Sig Int | 1 | NP | 15 | 316 | Feb60 | ARK | Kumabe,I.+ |
| Ni58 | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP | 24 | 274 | Apr61 | HAR | Allan,D.L. |
| Ni58 | σ(Direct) | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Diff Sig Int | 1 | NP | 15 | 316 | Feb60 | ARK | Kumabe,I.+ |
| Ni58 | σ(Direct) | 1.4 | 7 | 2.2 | 7 | | | Solidstate C | 7 | NP | 70 | 89 | Aug65 | PRK | Debertin,K.+ |
| Ni58 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Nuc Emulsion | 16 | NP | 15 | 316 | Feb60 | ARK | Kumabe,I.+ |
| Ni58 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Count Telesc | 109 | NP | 24 | 431 | May61 | CBR | Glover,R.N.+ |
| Ni58 | Ang Distrib | 8.4 | 6 | 2.2 | 7 | | | Count Telesc | 75 | NP | 70 | 89 | Aug65 | PRK | Debertin,K.+ |
| Ni58 | Ang Distrib | 8.4 | 6 | 2.2 | 7 | | Absolute | Count Telesc | 75 | NP | 70 | 89 | Aug65 | PRK | Debertin,K.+ |
| Ni58 | Ang Distr Direct | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NC | 21 | 966 | Sep62 | MIL | Colli,L.+ |
| Ni58 | (θ,E)-Distrib | 8.4 | 6 | 2.2 | 7 | | Absolute | Count Telesc | 305 | NP | 70 | 89 | Aug65 | PRK | Debertin,K.+ |
| Ni58 | (θ,E)-Distrib | 1.4 | 7 | 1.4 | 7 | | | * | 43 | PIGNANELLI 69A | | | Jan69 | MIL | Colli,L.+ |
| | (n,np) REACTION | | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | PPS | 70 | 195 | 57 | HAR | Allan. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Diff Sig Int | 1 | NP | 15 | 316 | Feb60 | ARK | Kumabe,I.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Photo Plate * | 1 | NP | 24 | 274 | Apr61 | HAR | Allan,D.L. |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 1 | NP | 24 | 274 | Apr61 | HAR | Allan,D.L. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Diff Sig Int | 1 | NP | 24 | 431 | May61 | CBR | Glover,R.N.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | Copper | Activation | 9 | NP | 29 | 309 | Jan62 | CBR | Glover,R.N.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 3 | PR/P- | 53 | 7 | Mar62 | CR | Cross. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PR | 131 | 2649 | Sep63 | ARK | Bramlitt. |
| | p-EMISSION | | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | PPS | 70 | 195 | 57 | HAR | Allan. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Diff Sig Int | 1 | NP | 15 | 316 | Feb60 | ARK | Kumabe,I.+ |
| Ni58 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Nuc Emulsion | 48 | NP | 15 | 316 | Feb60 | ARK | Kumabe,I.+ |
| Ni58 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Count Telesc | 30 | NP | 24 | 431 | May61 | CBR | Glover,R.N.+ |
| Ni58 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | 1 | NC | 21 | 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Count Telesc | 10 | NP | 24 | 431 | May61 | CBR | Glover,R.N.+ |
| Ni58 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Count Telesc | 1 | NP | 46 | 73 | Jul63 | MIL | Colli,L.+ |
| Ni58 | Ang Distrib | 2.2 | 7 | 2.2 | 7 | | | Count Telesc | 14 | IKP- | 11 | | May65 | PRK | Debertin,K.+ |
| Ni58 | (θ,E)-Distrib | 2.2 | 7 | 2.2 | 7 | | Absolute | Count Telesc | 40 | NP | 70 | 89 | Aug65 | PRK | Debertin,K.+ |
| | (n,np)+(n,d) REACT | | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | AUJ | 12 | 103 | 59 | CBR | Purser. |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | Copper | Activation | 2 | NP | 29 | 309 | Jan62 | CBR | Glover,R.N.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 3 | PR/P- | 53 | 7 | Mar62 | CR | Cross. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | BAP | 7 | 335 | Apr62 | CR | Cross,W.G.+ |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | S | Al(n,alpha) | Activation | 1 | EANDC/CAN- | 16 | 1 | Jan63 | CR | Cross,W.G.+ |
| Ni58 | Sigma | 1.3 | 7 | 2.1 | 7 | | | Activation | 8 | NP | 47 | 157 | Aug63 | SAC | Jeronymo,J.M.P.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.5 | 7 | | | Activation | 8 | NSE | 32 | 195 | May68 | NDL | Temperley. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | SUHP/69- | 2 | | Jan69 | LRL | Barrall. |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Activation * | 1 | NP A138 | | 387 | Dec69 | LRL | Barrall. |
| | (n,alpha) REACTION | | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Solidstate C | 1 | CJP | 41 | 545 | 63 | CAN | Slinn. |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | NP | 68 | 387 | Jun65 | HAM | Seebeck,U.+ |
| Ni58 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Solidstate C | 3 | NP A127 | | 81 | Apr69 | OTC | Spira. |
| Ni58 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | CrystalScint | 8 | NP | 68 | 387 | Jun65 | HAM | Seebeck,U.+ |
| | (n,n alpha) REACT | | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int* | 1 | NP | 68 | 387 | Jun65 | HAM | Seebeck,U.+ |
| Ni58 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | CrystalScint | 8 | NP | 68 | 387 | Jun65 | HAM | Seebeck,U.+ |
| | (n,alp)+(n,n'alp) | | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint* | 1 | EANDC/E- | 57 | 18 | Feb65 | HAM | Seebeck,U.+ |
| Ni58 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | CrystalScint | 8 | NP | 68 | 387 | Jun65 | HAM | Seebeck,U.+ |
| | alpha-EMISSION | | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 1 | NP | 68 | 387 | Jun65 | HAM | Seebeck,U.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 1 | NP | 68 | 387 | Jun65 | HAM | Seebeck,U.+ |
| Ni58 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | CrystalScint | 20 | NP | 68 | 387 | Jun65 | HAM | Seebeck,U.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| Ni58 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR | 88 | 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | |
| Ni58 | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP | 61 | 381 | Jan65 | ORL | Rayburn,L.A. |
| Ni58 | Sigma | 9.0 | 4 | 6.5 | 5 | | Absolute | Accelerator | 1122 | AP | 37 | 367 | May66 | DKE | Farrell,J.A.+ |
| Ni58 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | 1 | NP A | 92 | 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | n-WIDTH | | | | | | | | | | | | | | |
| Ni58 | Γ(n) | 1.6 | 4 | 2.1 | 5 | | | AreaAnalysis | 8 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| Ni58 | Γ(n,l=0) | -2.8 | 4 | 2.1 | 5 | | | AreaAnalysis | 9 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| | (n,2n) REACTION | | | | | | | | | | | | | | |
| Ni59 | Sigma | 1.4 | 7 | 1.5 | 7 | | Copper | Activation | 5 | NP | 32 | 106 | Apr62 | CBR | Weigold,E.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | | | |
| Ni59 | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NP | 24 | 274 | Apr61 | HAR | Allan,D.L. |
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| Ni60 | Spectrum | 2.5 | -2 | 2.5 | -2 | | γ's /100neut | Ge(Li)Detect* | 12 | CR | 267 | 424 | Aug68 | SAC | Carlos,P.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | | | |
| Ni60 | Sigma | 2.3 | 6 | 2.3 | 6 | | Carbon | Diff Sig Int | 1 | COO/1573- | 33 | | Nov67 | CSE | Rodgers. |
| Ni60 | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | Carbon | TimeOfFlight | 5 | COO/1573- | 33 | | Nov67 | CSE | Rodgers. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INEL SCATTERING | | | | | | | | | | | |
| Ni60 | Sigma | 7.0 6 | 7.0 6 | | H(n,n) | 4Pi*σ(90°) | 21 | NP A100 | 257 | Jul67 | ALD | Towle,J.H.+ |
| Ni60 | Sigma | 2.3 6 | 2.3 6 | | Carbon | Diff Sig Int | 1 | COO/1573- | 33 | Nov67 | CSE | Rodgers. |
| Ni60 | Sigma | 1.5 7 | 1.5 7 | | Arb Units | 4Pi*σ(90°) * | 1 | AF 39 | 295 | Apr69 | LND | Joensson,B.+ |
| Ni60 | Ang Distrib | 2.3 6 | 2.3 6 | | Carbon | TimeOfFlight | 5 | COO/1573- | 33 | Nov67 | CSE | Rodgers. |
| Ni60 | Ang Distrib | 2.0 6 | 4.5 6 | | H(n,n) | TimeOfFlight | 62 | NP A125 | 641 | Mar69 | JAE | Tsukada,K.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| Ni60 | Sigma | 2.6 6 | 2.6 6 | | Absolute | 4Pi*σ(90°) | 3 | PR 102 | 767 | May56 | LAS | Day,R.B. |
| Ni60 | Sigma | 2.6 6 | 2.6 6 | M | | 4Pi*σ(90°) | 3 | PR 102 | 767 | May56 | LAS | Day,R.B. |
| Ni60 | Sigma | 1.4 6 | 4.1 6 | | Iron | Ring Geomtry | 51 | AE 16 | 103 | Feb64 | OBN | Broder,D.L.+ |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect* | 1 | ZN A 26 | 451 | Mar71 | MUN | Breunlich,W.+ |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A 26 | 451 | Mar71 | MUN | Breunlich,W.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | |
| Ni60 | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | PR 87 | 487 | Aug52 | ORL | Bernstein,S.+ |
| | MISC SCATT QUANT | | | | | | | | | | | |
| Ni60 | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 | 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni60 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 | 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni60 | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 | 527 | Feb51 | ORL | Shull,C.G.+ |
| Ni60 | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 | 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| Ni60 | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | 1 | NP 15 | 326 | 60 | ARK | Preiss,I.L.+ |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint* | 1 | PPS 75 | 526 | 60 | GLS | Jack,W.+ |
| Ni60 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | BAP 7 | 335 | Apr62 | CR | Cross,W.G.+ |
| Ni60 | Sigma | 1.5 7 | 1.5 7 | S | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 | 1 | Jan63 | CR | Cross,W.G.+ |
| Ni60 | Sigma | 1.0 6 | 2.0 7 | | H(n,n) | Activation * | 41 | NUK 10 | 91 | Jul67 | GEL | Paulsen,A. |
| Ni60 | Sigma | 8.2 6 | 1.4 7 | | H(n,n) | Activation * | 4 | ZP 205 | 226 | Aug67 | GEL | Paulsen,A. |
| Ni60 | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 | 437 | Nov68 | CCP | Nasyrov. |
| Ni60 | σ(Compound) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 | 195 | 57 | HAR | Allan. |
| Ni60 | σ(Compound) | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PM 3 | 577 | 58 | GLS | March. |
| Ni60 | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 2 | NP 24 | 274 | Apr61 | HAR | Allan,D.L. |
| Ni60 | σ(Direct) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 | 195 | 57 | HAR | Allan. |
| Ni60 | σ(Direct) | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PM 3 | 577 | 58 | GLS | March. |
| Ni60 | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 28 | PM 3 | 577 | 58 | GLS | March. |
| Ni60 | Ang Distr Direct | 1.4 7 | 1.4 7 | | | * | 1 | NC 21 | 966 | Sep62 | MIL | Colli,L.+ |
| Ni60 | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | | * | 40 | PIGNANELLI 69A | | Jan69 | MIL | Colli,L.+ |
| | (n,np) REACTION | | | | | | | | | | | |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 | 195 | 57 | HAR | Allan. |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PM 3 | 577 | 58 | GLS | March. |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | Ratio | Photo Plate * | 1 | NP 24 | 274 | Apr61 | HAR | Allan,D.L. |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 | 274 | Apr61 | HAR | Allan,D.L. |
| | p-EMISSION | | | | | | | | | | | |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PPS 70 | 195 | 57 | HAR | Allan. |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PM 3 | 577 | 58 | GLS | March. |
| Ni60 | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 14 | PM 3 | 577 | 58 | GLS | March. |
| Ni60 | Ang Distrib | 1.4 7 | 1.4 7 | | | | 1 | NC 21 | 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | | |
| Ni60 | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 1 | NP 46 | 73 | Jul63 | MIL | Colli,L.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| Ni60 | Sigma | 1.5 7 | 1.5 7 | | | Solidstate C | 2 | NP A127 | 81 | Apr69 | OTC | Spira. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| Ni60 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 | 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| Ni60 | Sigma | 8.0 4 | 6.5 5 | | Absolute | Accelerator | 1197 | AP 37 | 367 | May66 | DKE | Farrell,J.A.+ |
| Ni60 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 | 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| Ni60 | Sigma | 4.6 5 | 2.8 7 | | Absolute | TimeOfFlight* | 2316 | CLEMENT 71D | | Apr71 | RPI | Stoler,P.+ |
| | n-WIDTH | | | | | | | | | | | |
| Ni60 | Γ(n) | 1.4 4 | 2.0 5 | | | AreaAnalysis | 9 | AP 14 | 387 | 61 | DKE | Bilpuch. |
| Ni60 | Γ(n,l=0) | 1.4 4 | 2.0 5 | | | AreaAnalysis | 9 | AP 14 | 387 | 61 | DKE | Bilpuch. |
| | (n,p) REACTION | | | | | | | | | | | |
| Ni61 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 | 267 | 53 | CR | Paul. |
| Ni61 | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | 1 | NP 15 | 326 | 60 | ARK | Preiss,I.L.+ |
| Ni61 | Sigma | 3.3 6 | 3.3 6 | | | Activation | 1 | NP 24 | 340 | Apr61 | CHL | Van Loef,J.J. |
| Ni61 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | BAP 7 | 335 | Apr62 | CR | Cross,W.G.+ |
| Ni61 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | IZV 26 | 1079 | Aug62 | CCP | Valter. |
| Ni61 | Sigma | 1.5 7 | 1.5 7 | S | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 | 1 | Jan63 | CR | Cross,W.G.+ |
| | (n,np) REACTION | | | | | | | | | | | |
| Ni61 | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | 1 | NP 15 | 326 | 60 | ARK | Preiss,I.L.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| Ni61 | Sigma | 1.5 7 | 1.5 7 | | | Solidstate C | 3 | NP A127 | 81 | Apr69 | OTC | Spira. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| Ni61 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 | 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| Ni61 | Sigma | 6.9 3 | 6.9 4 | | Absolute | TimeOfFlight | 1634 | MULLER 70J | | Oct70 | KFK | Froehner,F.H.+ |
| Ni61 | Sigma | 7.0 3 | 6.8 4 | C | | MultiLvl Fit* | 12201 | FROEHNER 72A | | Jan72 | KFK | Froehner,F.H.+ |
| | n-WIDTH | | | | | | | | | | | |
| Ni61 | 2gΓ(n) | 7.0 3 | 4.8 4 | | | AreaAnalysis | 19 | 65ANTWERP- | 99 | Jul65 | ORL | Good. |
| Ni61 | 2gΓ(n,l=0) | 7.0 3 | 4.8 4 | | | AreaAnalysis | 19 | 65ANTWERP- | 99 | Jul65 | ORL | Good. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | LEVEL DENS PARAM | | | | | | | | | | |
| $Ni^{61}$ | Nucl Temperature | 1.4 7 | 1.4 7 | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Ni^{61}$ | Fermi Param: a | 1.4 7 | 1.4 7 | | | * | 1 | 65ANTWRP-110 | Jul65 | HAM | Bormann,M.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ni^{62}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Activation | 1 | CP-2376 | Nov44 | ANL | Seren. |
| $Ni^{62}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | Ge(Li)Detect* | 11 | CR 267 424 | Aug68 | SAC | Carlos,P.+ |
| $Ni^{62}$ | Spectrum | 2.5 -2 | 2.5 -2 | | γ's /100neut | Ge(Li)Detect* | 8 | CR 267 424 | Aug68 | SAC | Carlos,P.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Ni^{62}$ | Sigma | 4.0 6 | 4.0 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| $Ni^{62}$ | Ang Distrib | 4.0 6 | 4.0 6 | | | CrystalScint | 16 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| | INEL SCATTERING | | | | | | | | | | |
| $Ni^{62}$ | Sigma | 1.5 7 | 1.5 7 | | Arb Units | 4Pi*σ(90°) * | 1 | AF 39 295 | Apr69 | LND | Joensson,B.+ |
| $Ni^{62}$ | Ang Distrib | 2.0 6 | 2.6 6 | | H(n,n) | TimeOfFlight | 18 | NP A125 641 | Mar69 | JAE | Tsukada,K.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ni^{62}$ | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ni^{62}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ni^{62}$ | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ni^{62}$ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Ni^{62}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | 2 | NP 15 326 60 | | ARK | Preiss,I.L.+ |
| $Ni^{62}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | BAP 7 335 | Apr62 | CR | Cross,W.G.+ |
| $Ni^{62}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 2 | IZV 26 1079 | Aug62 | CCP | Valter. |
| $Ni^{62}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| $Ni^{62}$ | Sigma | 1.5 7 | 1.5 7 | S | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| $Ni^{62}$ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Activation | 1 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| | (n,np) REACTION | | | | | | | | | | |
| $Ni^{62}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | 1 | NP 15 326 60 | | ARK | Preiss,I.L.+ |
| $Ni^{62}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | IZV 26 1079 | Aug62 | CCP | Valter. |
| $Ni^{62}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | EANDC/CAN-16 1 | Jan63 | CR | Cross,W.G.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ni^{62}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ni^{62}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ni^{62}$ | Sigma | 3.0 4 | 6.6 5 | | Absolute | Accelerator | 1265 | AP 37 367 | May66 | DKE | Farrell,J.A.+ |
| $Ni^{62}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| $Ni^{62}$ | Sigma | 1.1 4 | 2.9 5 | C | | MultiLvl Fit* | 5481 | PROEHNER 72A | Jan72 | KPK | Proehner,P.H.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ni^{64}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Ni^{64}$ | Sigma | 2.0 5 | 4.0 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Ni^{64}$ | Sigma | 2.0 4 | 2.0 4 | | | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Ni^{64}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Ni^{64}$ | Sigma | 1.8 5 | 2.0 6 | | Au(n,γ) | Activation | 19 | PR 140B1277 | Dec65 | LOK | Grench. |
| $Ni^{64}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Ni^{64}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ni^{64}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | 2 | NP 15 326 60 | | ARK | Preiss,I.L.+ |
| $Ni^{64}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 2 | IZV 26 1079 | Aug62 | CCP | Valter. |
| | (n,np) REACTION | | | | | | | | | | |
| $Ni^{64}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | 1 | NP 15 326 60 | | ARK | Preiss,I.L.+ |
| $Ni^{64}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | IZV 26 1079 | Aug62 | CCP | Valter. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ni^{64}$ | Sigma | 9.0 4 | 6.5 5 | | Absolute | Accelerator | 1147 | AP 37 367 | May66 | DKE | Farrell,J.A.+ |
| $Ni^{64}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| $Ni^{64}$ | Sigma | 1.6 4 | 2.9 5 | C | | MultiLvl Fit* | 5381 | PROEHNER 72A | Jan72 | KPK | Proehner,P.H.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ni^{65}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | JIN 31 1241 | May69 | ORL | Pinajian. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Cu | Sigma | 2.5 -2 | 2.5 -2 | | Iron | ReactivityCo | 1 | DP- 207 | Feb57 | SRL | Wade. |
| Cu | Sigma | 2.5 4 | 8.3 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Cu | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| Cu | Sigma | 1.7 5 | 1.0 6 | | $U^{235}$(n,f) | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Cu | Sigma | 3.0 4 | 6.5 4 | | Iron | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Cu | Sigma | 1.9 1 | 4.8 4 | | σ(Thermal) | Slowing-Down | 66 | AE 15 120 | Aug63 | LEB | Kapchigashev. |
| Cu | Sigma | 1.9 4 | 1.0 6 | | $U^{235}$(n,f) | Ring Geomtry | 16 | AE 15 323 | Oct63 | CCP | Stavisskii. |
| Cu | Sigma | 1.9 4 | 1.0 6 | N | $U^{235}$(n,f) | Ring Geomtry | 16 | AE 15 323 | Oct63 | CCP | Stavisskii. |
| Cu | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| Cu | Sigma | 1.7 5 | 1.5 6 | | | Activation | 18 | INDC-140 8 | Jun66 | FEI | Tolstikov,V.A.+ |
| | γ,EMISSION | | | | | | | | | | |
| Cu | Sigma | 2.3 6 | 2.9 6 | | Copper | Ion Chamber | 7 | JMJ 23 925 | 41 | JAP | Nonaka,I. |
| Cu | Ang Distrib | 1.5 7 | 1.5 7 | | | CrystalScint | 6 | APSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| Cu | Ang Distrib | 1.0 6 | 1.0 6 | | | CrystalScint | 2 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| Cu | Ang Distrib | 1.5 7 | 1.5 7 | | Carbon | Ge(Li)Detect* | 13 | AF 39 295 | Apr69 | LND | Joensson,B.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Cu | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Cu | Sigma | 2.9 6 | 2.9 6 | | | Ring Geomtry | 1 | AE 3 498 | 57 | CCP | Popov. |
| Cu | Sigma | 5.6 4 | 1.0 5 | | Carbon | 4Pi*σ(90°) | 14 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Cu | Sigma | 1.5 7 | 1.5 7 | | | Ring Geomtry | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| Cu | Sigma | 3.7 6 | 3.7 6 | | | Diff Sig Int | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Cu | Sigma | 5.0 9 | 5.0 9 | C | | Count Telesc | 2 | PR 123 1850 | Sep61 | BRK | Atkinson,J.E.+ |
| Cu | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Cu | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 26 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| Cu | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Cu | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Cu | Sigma | 1.5 6 | 1.5 6 | C | Carbon | TimeOfFlight* | 1 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Cu | Sigma | 2.0 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 9 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Cu | Ang Distrib | 8.4 7 | 8.4 7 | | σ(Total) | | 12 | PR 77 597 | Mar50 | BRK | Bratenahl. |
| Cu | Ang Distrib | 3.0 8 | 3.0 8 | | | Ring Geomtry | 15 | UCRL- 1938 | Aug52 | BRK | Ball,W.P. |
| Cu | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Cu | Ang Distrib | 1.0 6 | 1.0 6 | | | Ring Geomtry | 5 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| Cu | Ang Distrib | 5.0 5 | 1.5 6 | | | Ring Geomtry | 2 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Cu | Ang Distrib | 1.4 8 | 1.4 8 | | | Liquid Scint | 13 | PM 1 1003 | 56 | OXF | Van Zyl. |
| Cu | Ang Distrib | 3.3 6 | 3.3 6 | | H(n,n) | Biased Scint | 9 | HPA 29 545 | Apr56 | ETH | Remund,A.E. |
| Cu | Ang Distrib | 2.9 6 | 2.9 6 | | | Ring Geomtry | 7 | AE 3 498 | 57 | CCP | Popov. |
| Cu | Ang Distrib | 3.5 8 | 3.5 8 | | | Count Telesc | 9 | PPS 71 552 | 58 | LVP | Ashmore. |
| Cu | Ang Distrib | 5.0 6 | 5.0 6 | | | Biased Scint | 12 | PR 109 2105 | Mar58 | WES | Hill. |
| Cu | Ang Distrib | 5.0 6 | 5.0 6 | | | Ring Geomtry | 6 | PR 109 2105 | Mar58 | WES | Hill. |
| Cu | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 92 | PR 111 250 | Jul58 | LAS | Coon. |
| Cu | Ang Distrib | 2.8 6 | 2.8 6 | | | Ring Geomtry | 9 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| Cu | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 24 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Cu | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 15 | PR 115 1010 | Aug59 | LRL | Anderson,J.D.+ |
| Cu | Ang Distrib | 9.6 7 | 9.6 7 | | | Biased Scint | 6 | NP 21 15 | Nov60 | OXF | Salmon,G.L. |
| Cu | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 18 | AE 11 395 | 61 | CCP | Guzhovski. |
| Cu | Ang Distrib | 8.0 5 | 8.0 5 | | | Ion Chamber | 23 | ZET 40 1878 | Jun61 | CCP | Aleksandrov. |
| Cu | Ang Distrib | 2.8 6 | 2.8 6 | | | Threshold C | 24 | ZET 40 1878 | Jun61 | CCP | Aleksandrov. |
| Cu | Ang Distrib | 3.4 5 | 1.2 6 | | Carbon | Biased Scint | 158 | BAP 7 334 | Apr62 | ANL | Shunk. |
| Cu | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 2 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Cu | Ang Distrib | 6.7 5 | 1.2 6 | | Carbon | Biased Scint | 552 | BAP 8 478 | Aug63 | ANL | Grench. |
| Cu | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Cu | Ang Distrib | 3.2 6 | 3.2 6 | | | | 14 | NP 89 154 | 66 | BCM | Becker. |
| Cu | Ang Distrib | 1.5 6 | 1.5 6 | | Carbon | TimeOfFlight* | 11 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Cu | Ang Distrib | 2.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 138 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Cu | Ang Distrib | 1.7 6 | 2.2 6 | | H(n,n) | TimeOfFlight | 26 | 70HELSNK/II-305 | Jun70 | JAE | Tanaka,S.+ |
| Cu | Legendre Fit | 3.7 6 | 3.7 6 | | | Ring Geomtry | 14 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Cu | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 104 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| Cu | Legendre Fit | 1.5 6 | 1.5 6 | | Carbon | TimeOfFlight* | 5 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Cu | Legendre Fit | 2.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 71 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Cu | Polarizat n-out | 3.5 5 | 1.4 6 | | Absolute | PlasticScint | 43 | NP 25 604 | Jun61 | HAR | Brown,D.+ |
| Cu | Polarizat n-out | 7.0 5 | 1.0 6 | | Absolute | Field Rotatn | 2 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| Cu | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Cu | Sigma | 2.5 6 | 2.5 6 | | | Ion Chamber | 2 | PR 82 969 | Jun51 | OXF | Grace,M.A.+ |
| Cu | Sigma | 2.9 6 | 2.9 6 | | | Ring Geomtry | 1 | AE 3 498 | 57 | CCP | Popov. |
| Cu | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| Cu | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Cu | Sigma | 1.4 7 | 1.4 7 | | Absolute | Threshold C | 1 | SJA 5 1431 | Nov58 | CCP | Lebedev,P.P.+ |
| Cu | Sigma | 8.3 9 | 8.3 9 | | | Count Telesc | 1 | ZET 42 909 | Mar62 | DUB | Pantuev. |
| Cu | Sigma | 8.0 5 | 1.2 6 | | | $He^3$ Spec | 8 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Cu | Sigma | 1.0 6 | 1.5 6 | | Carbon | TimeOfFlight | 47 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| Cu | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 5 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Cu | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 54 | PR 111 250 | Jul58 | LAS | Coon. |
| Cu | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Cu | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 1 | BAP 10 498 | Apr65 | LRL | Schectman,R.M.+ |
| Cu | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 41 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| Cu | Ang Distrib | 1.4 7 | 1.4 7 | | Ratio | TimeOfFlight | 10 | INDC-260 16 | Feb69 | ORN | Salnikov. |
| Cu | Ang Distrib | 1.7 6 | 2.2 6 | | H(n,n) | TimeOfFlight | 52 | 70HELSNK/II-305 | Jun70 | JAE | Tanaka,S.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Cu | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 4 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Cu | Sigma | 2.6 6 | 2.6 6 | | Absolute | 4Pi*σ(90°) | 12 | PR 102 767 | May56 | LAS | Day,R.B. |
| Cu | Sigma | 2.6 6 | 2.6 6 | N | | 4Pi*σ(90°) | 12 | PR 102 767 | May56 | LAS | Day,R.B. |
| Cu | Sigma | 1.4 7 | 1.4 7 | | Carbon | CrystalScint | 3 | SPN- 241 | 61 | CCP | Nefedov. |
| Cu | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Crystal Spec | 2 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| Cu | Ang Distrib | 1.4 7 | 1.4 7 | | $Co^{59}$ | Crystal Spec | 1 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| Cu | Ang Distrib | 2.6 6 | 2.6 6 | | | Ring Geomtry | 12 | PR 102 767 | May56 | LAS | Day,R.B. |
| Cu | Ang Distrib | 3.1 6 | 4.7 6 | | | Ring Geomtry | 62 | JPJ 16 355 | Mar61 | JAE | Nishimura. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Cu | Sigma | 6.0 4 | 1.4 6 | | Carbon | Diff Sig Int | 18 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Cu | Sigma | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 31 | AP 12 135 | Feb61 | ANL | Lane. |
| Cu | Ang Distrib | 6.0 4 | 1.4 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ELASTIC+INELASTIC (CONTINUED) | | | | | | | | | | |
| Cu | Ang Distrib | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 248 | AP 12 135 | Feb61 | ANL | Lane. |
| Cu | Legendre Fit | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 151 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Cu | σ(Potential) | 8.5 2 | 8.5 2 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| Cu | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cu | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | RSI 27 620 | Aug56 | COL | |
| Cu | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cu | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cu | σ(Free Atom) | 1.4 0 | 1.4 0 | | | Extrapolatn | 1 | ORNL-1164 34 | 51 | ORL | Rayburn. |
| Cu | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Cu | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 111 261 | Jul58 | BNL | Keating. |
| Cu | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | RSI 33 916 | Jul64 | BUC | Todiranu,S.+ |
| Cu | Scatt Amplitude | 6.1 -2 | 6.1 -2 | | | | 1 | RSI 33 916 | Jul64 | RUM | Todiranu,S.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Cu | Sigma | 1.4 7 | 1.4 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| Cu | Sigma | 1.4 7 | 1.4 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| Cu | Sigma | 1.4 7 | 1.5 7 | | Ratio | Activation | 5 | NP 29 309 | Jan62 | CBR | Glover,R.N.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Cu | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | PR 108 779 | Nov57 | PEN | Verbinski. |
| Cu | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NC 13 730 | Aug59 | CIS | Colli. |
| Cu | σ(Compound) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | NP 10 348 | Apr59 | HAR | Allan. |
| Cu | σ(Direct) | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | NP 10 348 | Apr59 | HAR | Allan. |
| Cu | Ang Distrib | 1.4 7 | 1.4 7 | | | Biased Scint | 8 | PR 108 779 | Nov57 | PEN | Verbinski. |
| | (n,np) REACTION | | | | | | | | | | |
| Cu | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | NP 10 348 | Apr59 | HAR | Allan. |
| Cu | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NC 13 730 | Aug59 | CIS | Colli. |
| | p-EMISSION | | | | | | | | | | |
| Cu | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | NP 10 348 | Apr59 | HAR | Allan. |
| Cu | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 120 | NP 10 348 | Apr59 | HAR | Allan. |
| | (n,t) REACTION | | | | | | | | | | |
| Cu | Sigma | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation | 1 | HPA 36 298 | May63 | ETH | Heinrich,F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| Cu | Sigma | 1.0 6 | 1.0 6 | | | Mass Spec * | 4 | WEITMAN 70J | Oct70 | AE | Weitman,J.+ |
| | MISC FISS QUANT | | | | | | | | | | |
| Cu | Neutron/Capture | 1.4 7 | 1.4 7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Cu | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Activation | 1 | CR 232 2089 | May51 | FAR | Grimeland,B.+ |
| Cu | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Cu | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 111 261 | Jul58 | BNL | Keating. |
| Cu | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | ReactivityCo | 1 | NSE 7 184 | 60 | HAN | Donoghue,T.R. |
| Cu | Sigma | 2.5 -2 | 2.5 -2 | S | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| Cu | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | NKA 8 443 | 63 | POL | |
| Cu | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | CEA/R-2485 | 64 | FAR | Carre. |
| Cu | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | RRP 9 365 | 64 | BUC | Stefanescu,Al.+ |
| Cu | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Cu | Reson Integral | 5.0 -1 | 5.0 -1 | | Boron | Pile Oscilat | 1 | EANDC/E- 57 170 | Feb65 | FAR | Vidal,R. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Cu | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 88 600 | Nov52 | LAS | Phillips,D.D.+ |
| Cu | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| Cu | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Cu | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| Cu | Sigma | 1.0 6 | 4.5 6 | | Absolute | Shell Trans | 3 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Cu | Sigma | 3.3 6 | 4.1 6 | | Absolute | Shell Trans | 2 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Cu | Sigma | 1.4 7 | 1.4 7 | S | Absolute | Activation | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Cu | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Cu | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Cu | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| Cu | Sigma | 5.5 7 | 1.4 8 | | | Scint Tank | 4 | PRS 236 41 | 56 | OXF | Voss,R.G.P.+ |
| Cu | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Cu | Sigma | 2.5 6 | 7.0 6 | | Absolute | Shell Trans | 2 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Cu | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Cu | Sigma | 1.4 7 | 1.4 7 | | | Shell Trans | 3 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Cu | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Cu | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| Cu | Sigma | 7.2 6 | 1.4 7 | | Absolute | Shell Trans | 6 | PR 110 1392 | Jun58 | LRL | Ball,W.P.+ |
| Cu | Sigma | 2.1 7 | 2.9 7 | | Absolute | Shell Trans | 3 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| Cu | Sigma | 2.9 6 | 2.9 6 | | | Proportion C | 1 | AE 5 565 | Dec58 | CCP | Kukhtevich,V.I.+ |
| Cu | Sigma | 8.2 6 | 2.0 7 | | Absolute | Shell Trans | 6 | PR 113 1088 | Feb59 | RIC | Bonner,T.W.+ |
| Cu | Sigma | 3.7 6 | 3.7 6 | | | Ring Geomtry | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Cu | Sigma | 3.7 6 | 3.7 6 | | | Total | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Cu | Sigma | 5.0 9 | 5.0 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| Cu | Sigma | 1.6 7 | 2.0 7 | | Absolute | Shell Trans | 2 | AE 11 397 | Oct61 | CCP | Degtyarev. |
| Cu | Sigma | 1.5 7 | 1.5 7 | | | Shell Trans | 1 | EANDC/E- 49 85 | Oct63 | FR | Didier,D.+ |
| Cu | Sigma | 1.4 7 | 1.4 7 | | | Shell Trans | 1 | PR 132 1211 | Nov63 | LSU | Haas,G.M.+ |
| Cu | Sigma | 8.1 6 | 8.1 6 | | Absolute | Shell Trans | 1 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| Cu | Sigma | 2.4 4 | 2.4 4 | | | Shell Trans | 1 | AE 20 431 | May66 | CCP | Koroleva,V.P.+ |
| Cu | Sigma | 1.5 7 | 1.5 7 | | Absolute | Shell Trans | 1 | PR 161 1181 | Sep67 | BOS | Chatterjee,A.+ |
| Cu | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 18 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| Cu | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight* | 11 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Cu | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Cu | Sigma | 4.8 7 | 8.8 7 | | Absolute | Liquid Scint | 2 | PR 96 115 | Oct54 | HRV | Hillman. |
| Cu | Sigma | 5.3 1 | 9.6 3 | | Absolute | TimeOfFlight | 143 | BOLLINGER 55D | Apr55 | ANL | Bollinger. |
| Cu | Sigma | 3.1 -4 | 6.2 -3 | | Absolute | TimeOfFlight | 77 | PR 99 611 | Jul55 | BNL | Palevsky. |
| Cu | Sigma | 6.1 7 | 1.1 8 | | | Count Telesc | 12 | PR 99 740 | Aug55 | HRV | Culler,V.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | |
| Cu | Sigma | 1.4 7 | 1.6 7 | | | | 6 | MAZARI 56G | Jul56 | MEX | Mazari. |
| Cu | Sigma | 1.3 3 | 5.2 4 | | | Proportion C | 112 | PR 105 198 | Jan57 | DKE | Newson. |
| Cu | Sigma | 2.1 6 | 3.2 6 | | Absolute | Accelerator | 13 | BCS 44 851 | 58 | LVN | Deconninck. |
| Cu | Sigma | 2.5 -3 | 1.0 -1 | | | Crystal Spec | 11 | HW-55879 3 | Apr58 | HAN | Seppi. |
| Cu | Sigma | 4.0 6 | 8.1 6 | | | CrystalScint | 37 | PR 110 466 | Apr58 | COL | Weil. |
| Cu | Sigma | 8.5 0 | 1.5 3 | | | TimeOfFlight | 42 | PR 110 692 | May58 | BNL | Seth. |
| Cu | Sigma | 6.5 2 | 3.0 4 | | Absolute | TimeOfFlight | 253 | PR 111 288 | Jul58 | ANL | Cote. |
| Cu | Sigma | 1.6 7 | 1.8 8 | | Carbon | TimeOfFlight | 64 | NP 22 640 | Feb61 | HAR | Bowen,P.H.+ |
| Cu | Sigma | 2.0 2 | 1.1 5 | | Absolute | TimeOfFlight | 3870 | BAP 7 288 | Apr62 | COL | Amram. |
| Cu | Sigma | 2.0 2 | 2.2 5 | P | Absolute | TimeOfFlight | 25100 | BAP 7 288 | Apr62 | COL | Amram. |
| Cu | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Cu | Sigma | 4.2 6 | 6.2 6 | | Absolute | Transmission* | 42 | EANDC/E- 57 20 | Feb65 | HAM | Genz,H.+ |
| Cu | Sigma | 6.0 3 | 6.4 5 | | Absolute | Accelerator | 100 | PL 16 306 | Jun65 | DKE | Seth. |
| Cu | Sigma | 3.5 -4 | 2.1 -3 | | Au(n,γ) | TimeOfFlight | 11 | EANDC/E- 66 29 | Feb66 | MUN | Knorr. |
| Cu | Sigma | 1.3 7 | 1.5 7 | | Absolute | Accelerator | 36 | NP 82 652 | Jul66 | NRD | Albergotti,J.C.+ |
| Cu | Sigma | 1.3 7 | 1.5 7 | | Absolute | PlasticScint | 18 | NP 82 652 | Jul66 | NRD | Albergotti,J.C.+ |
| Cu | Sigma | 1.5 0 | 2.8 3 | | Absolute | TimeOfFlight | 1992 | 66PARIS/I- 155 | Oct66 | KIG | Drittler,K. |
| Cu | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 242 | FOSTER 67E | May67 | BNW | Foster. |
| Cu | Sigma | 2.7 10 | 2.7 10 | | | | 1 | PL B 27 328 | Aug68 | MHG | Jones. |
| Cu | Sigma | 9.9 7 | 1.5 8 | | Absolute | Accelerator | 6 | NP A119 197 | Oct68 | USA | Schneider. |
| Cu | Sigma | 1.5 7 | 1.5 7 | | Absolute | Assoc Part * | 1 | AJP 37 482 | May69 | OAU | |
| Cu | Sigma | 8.9 6 | 8.9 6 | | Absolute | CrystalScint | 1 | AJP 37 649 | Jun69 | ORL | |
| Cu | Sigma | 5.7 9 | 5.7 9 | | Absolute | Transmission* | 1 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.P.+ |
| Cu | Sigma | 1.0 5 | 1.5 6 | | Absolute | Transmission* | 621 | WHALEN 70P 1 | Jun70 | ANL | Whalen,J.F.+ |
| | γ-WIDTH | | | | | | | | | | |
| Cu | agΓ(γ) | 8.4 3 | 8.4 3 | | Absolute | AreaAnalysis | 1 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| Cu | agΓ(γ)Γ(n)/Γ | 6.8 3 | 1.5 4 | | Absolute | AreaAnalysis | 6 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| | n-WIDTH | | | | | | | | | | |
| Cu | 2agΓ(n) | 4.0 2 | 7.0 3 | | Absolute | AreaAnalysis | 15 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| Cu | agΓ(n,l=1) | 4.0 2 | 7.0 3 | | Absolute | AreaAnalysis | 16 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Cu | Resonance Energy | 2.3 2 | 9.9 4 | | | TimeOfFlight | 112 | CR=1860 | 64 | COL | Garg. |
| | AVERAGED PARAM | | | | | | | | | | |
| Cu | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Cu | Strength Fn(l=0) | 1.5 4 | 1.5 4 | | | AreaAnalysis | 2 | INDC-156 P.64 | Oct66 | SAC | Julien,J.+ |
| Cu | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YP 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Cu | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Cu | Strength Fn(l=1) | 7.0 3 | 7.0 3 | | Absolute | AreaAnalysis | 2 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| Cu | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YP 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Cu | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YP 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Cu^{63}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Cu^{63}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Cu^{63}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | ZN A 13 820 | 58 | GER | Meister. |
| $Cu^{63}$ | Sigma | 2.0 4 | 2.0 4 | | | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Cu^{63}$ | Sigma | 2.4 4 | 2.4 4 | | Indium | Activation | 1 | NP 9 569 | 59 | LVN | Vervier,J.P. |
| $Cu^{63}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Cu^{63}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Ion Chamber | 2 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| $Cu^{63}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | AE 17 294 | Oct64 | CCP | Batyrbekov,G.A.+ |
| $Cu^{63}$ | Sigma | 1.0 6 | 1.0 6 | | Indium | * | 1 | 68WASH-1263 | Mar68 | MOL | Fabry,A.+ |
| $Cu^{63}$ | Sigma | 2.3 5 | 3.1 6 | | $U^{235}$(n,f) | Activation | 18 | AE 25 526 | Dec68 | UKR | Zaikin. |
| $Cu^{63}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Cu^{63}$ | Sigma | 9.0 3 | 3.0 5 | | $U^{235}$(n,f) | Activation | 5 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| $Cu^{63}$ | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation * | 1 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| $Cu^{63}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Cu^{63}$ | Reson Integral | 5.0 2 | 5.0 2 | | σ(Thermal) | Proportion C* | 1 | JNE 14 53 | Apr61 | AE | |
| $Cu^{63}$ | Reson Integral | 6.2 -1 | 6.2 -1 | | Au(n,γ) | Activation | 1 | DP- 817 | Jan63 | SRL | Baumann. |
| $Cu^{63}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | INEL SCATTERING | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.0 6 | 1.5 6 | | Carbon | TimeOfFlight | 30 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| $Cu^{63}$ | Sigma | 1.5 7 | 1.5 7 | | Arb Units | 4Pi*σ(90°) * | 1 | AP 39 295 | Apr69 | LND | Joensson,B.+ |
| $Cu^{63}$ | Ang Distrib | 2.2 6 | 2.2 6 | | H(n,n) | TimeOfFlight | 13 | 70HELSNK/II-305 | Jun70 | JAE | Tanaka,S.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 4.4 6 | 4.4 6 | | | CrystalScint | 4 | PR 102 461 | Apr56 | WES | Sinclair,R.M. |
| $Cu^{63}$ | Sigma | 2.6 6 | 2.6 6 | | Absolute | 4Pi*σ(90°) | 7 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Cu^{63}$ | Sigma | 2.6 6 | 2.6 6 | N | | 4Pi*σ(90°) | 7 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Cu^{63}$ | Sigma | 7.2 5 | 1.0 6 | S | | CrystalScint | 21 | BAP 2 104 | Mar57 | TEX | Morgan,I.L.+ |
| $Cu^{63}$ | Sigma | 6.8 5 | 1.4 6 | | Absolute | CrystalScint | 53 | PR 137B1181 | Mar65 | STF | Tucker. |
| $Cu^{63}$ | Sigma | 6.3 5 | 2.6 6 | | H(n,n) | Ring Geomtry | 17 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| $Cu^{63}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | BAP 12 124 | Feb67 | WVU | Eddy,J.K.+ |
| $Cu^{63}$ | Ang Distrib | 7.7 5 | 1.4 6 | | Iron | TimeOfFlight* | 12 | AP 35 71 | Oct67 | AE | Holmqvist,B.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Cu^{63}$ | σ(Potential) | 2.1 3 | 1.7 4 | | | Shape Analys | 12 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pit P |
| | (n,2n) REACTION | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.3 7 | 2.7 7 | | Copper | Activation | 6 | PR 88 618 | Nov52 | LAS | Brolley. |
| $Cu^{63}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | PR 88 1309 | Dec52 | LAS | Forbes. |
| $Cu^{63}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Cu^{63}$ | Sigma | 1.3 7 | 1.8 7 | | | Activation * | 12 | NP 1 73 | 56 | UK | Cohen,A.V.+ |
| $Cu^{63}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | JPJ 12 443 | May57 | KON | Yasumi. |
| $Cu^{63}$ | Sigma | 1.3 7 | 1.5 7 | | Absolute | Activation | 8 | BAP 5 246 | Apr60 | TNC | Morgan,I.L.+ |
| $Cu^{63}$ | Sigma | 1.2 7 | 1.8 7 | | Absolute | Activation | 7 | PR 118 228 | Apr60 | NRD | |
| $Cu^{63}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 120 901 | Nov60 | WES | Dejuren,J.A.+ |
| $Cu^{63}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | 1 | JPJ 16 1869 | Oct61 | KON | Sakisaka,M.+ |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP 29 309 | Jan62 | CBR | Glover,R.N.+ |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Copper | Activation | 5 | NP 29 309 | Jan62 | CBR | Glover,R.N.+ |
| $Cu^{63}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | Iron | Activation | * 8 | ZP 166 477 | Feb62 | HAM | Bormann,M.+ |
| $Cu^{63}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | $\sigma(E\neq E(th))$ | Activation | 4 | RR/TR/62- 1 | Apr62 | RED | Koehler. |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| $Cu^{63}$ | Sigma | 1.2 | 7 | 2.0 | 7 | | $\sigma(E\neq E(th))$ | Activation | 18 | PR 130 731 | Apr63 | ANL | Rayburn. |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | 1 | CR 259 4620 | Dec64 | BOR | Letessier,J.+ |
| $Cu^{63}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | Norm To Abs | Activation | * 28 | JNE 19 73 | Feb65 | GEL | Liskien,H.+ |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | * 2 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Arb Units | Activation | * 24 | 65ANTWRP-102 A | Jul65 | DEB | Csikai,J. |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $\sigma(E\neq E(th))$ | Activation | * 1 | 65ANTWRP-102 B | Jul65 | DEB | Csikai,J. |
| $Cu^{63}$ | Sigma | 1.7 | 7 | 1.8 | 7 | | Arb Units | Activation | 48 | CR 261 1266 | Aug65 | PR | Bardolle,G.+ |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AEET- 267 59 | Aug66 | BOS | Chatterjee,A.+ |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | NP A 93 218 | Mar67 | TUR | Pasquarelli,A. |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}(n,2n)$ | Activation | * 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | * 27 | NC B 54 53 | Mar68 | CAT | Cuzzocrea,P.+ |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * 2 | JIN 31 1 | Jan69 | BIA | Crumpton,D.+ |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | SUHP/69- 2 | Jan69 | LRL | Barrall. |
| $Cu^{63}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | Absolute | Activation | * 8 | NP A130 195 | Jun69 | HAM | Bormann,M.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | * 1 | PPS 75 526 | 60 | GLS | Jack,W.+ |
| $Cu^{63}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Cu^{63}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate | * 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Cu^{63}$ | $\sigma$(Direct) | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Cu^{63}$ | Ang Distr Direct | 1.4 | 7 | 1.4 | 7 | | | | * 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| $Cu^{63}$ | $(\theta,E)$-Distrib | 1.4 | 7 | 1.4 | 7 | | | | * 43 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,np) REACTION | | | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | NC 13 730 | Aug59 | CIS | Colli. |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Photo Plate | * 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate | * 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Arb Units | $4Pi*\sigma(90°)$ | * 1 | AP 39 295 | Apr69 | LND | Joensson,B.+ |
| | p-EMISSION | | | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Cu^{63}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| | (n,d) REACTION | | | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Diff Sig Int | 2 | NC 38 1938 | Aug65 | MIL | Pazio. |
| $Cu^{63}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Count Telesc | 12 | NC 38 1938 | Aug65 | MIL | Pazio. |
| | (n,$He^3$) REACTION | | | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * 1 | OSA 97 13 | Jan60 | IRK | Czapp,B.+ |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| $Cu^{63}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | * 1 | EANDC/E- 57 172 | Feb65 | GRE | Lloret,R. |
| $Cu^{63}$ | Sigma | 1.0 | 6 | 2.0 | 7 | | H(n,n) | Activation | * 41 | NUK 10 91 | Jul67 | GEL | Paulsen,A. |
| $Cu^{63}$ | Sigma | 8.2 | 6 | 1.5 | 7 | | H(n,n) | Activation | * 4 | ZP 205 226 | Aug67 | GEL | Paulsen,A. |
| $Cu^{63}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Cu^{63}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Solidstate C | 2 | NP A127 81 | Apr69 | OTC | Spira. |
| $Cu^{63}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Photo Plate | * 1 | OSA 97 13 | Jan60 | IRK | Czapp,B.+ |
| $Cu^{63}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Count Telesc | 1 | PPS 81 808 | 63 | GLS | Irfan. |
| $Cu^{63}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | * 7 | BORMANN 70A | Jan70 | HAM | Bormann,M.+ |
| | (n,n alpha) REACT | | | | | | | | | | | | |
| $Cu^{63}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Count Telesc | 1 | PPS 81 808 | 63 | GLS | Irfan. |
| | (n,alp)+(n,n'alp) | | | | | | | | | | | | |
| $Cu^{63}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | * 7 | BORMANN 70A | Jan70 | HAM | Bormann,M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Cu^{63}$ | Sigma | 1.1 | 3 | 3.9 | 7 | | | Accelerator | 165 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| $Cu^{63}$ | Sigma | 4.0 | 4 | 1.4 | 5 | | Absolute | TimeOfFlight | 880 | MULLER 70J | Oct70 | KPK | Proehner,P.H.+ |
| | $\gamma$-WIDTH | | | | | | | | | | | | |
| $Cu^{63}$ | $\Gamma(\gamma)$ | 5.8 | 2 | 5.8 | 2 | | | Shape Analys | * 1 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Cu^{63}$ | $\Gamma(\gamma)$ | 5.8 | 2 | 9.2 | 3 | | Absolute | AreaAnalysis | 7 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| $Cu^{63}$ | $g\Gamma(\gamma)$ | 7.1 | 3 | 1.6 | 4 | | Absolute | AreaAnalysis | 6 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| $Cu^{63}$ | $<\Gamma(\gamma)>$ | 4.9 | 3 | 9.2 | 3 | | Absolute | AreaAnalysis | 3 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Cu^{63}$ | $\Gamma(n)$ | 5.8 | 2 | 3.1 | 4 | | | Shape Analys | 29 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{63}$ | $g\Gamma(n)$ | 2.1 | 3 | 1.7 | 4 | | | Shape Analys | 12 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Cu^{63}$ | $g\Gamma(n)$ | 5.8 | 2 | 3.1 | 4 | | | Shape Analys | 43 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{63}$ | $2g\Gamma(n)$ | 5.8 | 2 | 2.0 | 3 | | | | 2 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Cu^{63}$ | $2g\Gamma(n)$ | 2.6 | 3 | 4.2 | 4 | | | AreaAnalysis | 27 | 65ANTWRP- 99 | Jul65 | ORL | Good. |
| $Cu^{63}$ | $\Gamma(n,l=0)$ | 5.8 | 2 | 1.4 | 4 | | | Shape Analys | 12 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Cu^{63}$ | $\Gamma(n,l=0)$ | 5.8 | 2 | 3.1 | 4 | | | Shape Analys | 29 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{63}$ | $g\Gamma(n,l=0)$ | 5.8 | 2 | 3.1 | 4 | | | Shape Analys | 39 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{63}$ | $2g\Gamma(n,l=0)$ | 5.8 | 2 | 2.0 | 3 | | | | 2 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Cu^{63}$ | $2g\Gamma(n,l=0)$ | 5.8 | 2 | 1.4 | 4 | | | | 12 | 65ANTWRP- 80 | Jul65 | SAC | Julien,J.+ |
| $Cu^{63}$ | $2g\Gamma(n,l=0)$ | 2.6 | 3 | 4.2 | 4 | | | AreaAnalysis | 27 | 65ANTWRP- 99 | Jul65 | ORL | Good. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Cu^{63}$ | $\Gamma$ | 5.8 | 2 | 5.4 | 3 | | | TimeOfFlight | 3 | PR 111 288 | Jul58 | ANL | Cote. |
| $Cu^{63}$ | $\Gamma$ | 5.8 | 2 | 5.8 | 2 | | | | 1 | 65ANTWRP- 80 | Jul65 | SAC | Julien,J.+ |
| $Cu^{63}$ | $\Gamma$ | 5.8 | 2 | 1.4 | 4 | | | Shape Analys | 12 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Cu^{63}$ | Resonance Energy | 2.5 | 3 | 2.5 | 3 | | | | 1 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Cu^{63}$ | Resonance Energy | 2.5 | 3 | 2.5 | 3 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| $Cu^{63}$ | Resonance Energy | 5.3 | 3 | 2.3 | 4 | | | | 6 | BAP 4 42 | Jan59 | ORL | Miller. |
| $Cu^{63}$ | Resonance Energy | 4.3 | 3 | 9.7 | 3 | | | TimeOfFlight | 8 | BAP 5 449 | Nov60 | ORL | Good,W.M.+ |
| $Cu^{63}$ | Resonance Energy | 2.0 | 3 | 2.3 | 4 | | | TimeOfFlight | 16 | CR-1860 64 | | COL | Garg. |
| $Cu^{63}$ | Resonance Energy | 1.9 | 4 | 1.9 | 4 | | | AreaAnalysis | 1 | 65ANTWRP- 99 | Jul65 | ORL | Good. |
| $Cu^{63}$ | Resonance Energy | 5.8 | 2 | 3.1 | 4 | | | Shape Analys* | 43 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{63}$ | $\sigma(0)$ | 5.8 | 2 | 5.4 | 3 | | | TimeOfFlight | 3 | PR 111 288 | Jul58 | ANL | Cote. |
| $Cu^{63}$ | Spin of Reson | 5.8 | 2 | 3.1 | 4 | | | Shape Analys | 29 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{63}$ | Spin of Reson | 1.4 | 4 | 1.6 | 4 | | Absolute | AreaAnalysis | 4 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Cu^{63}$ | Strength Fn(l=0) | 2.5 | 3 | 2.5 | 3 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| $Cu^{63}$ | Strength Fn(l=0) | 3.0 | 4 | 3.0 | 4 | | | | 2 | CEA/R-3609 68 | | SAC | Morgenstern,J. |
| $Cu^{63}$ | Level Spacing | 2.4 | 4 | 2.4 | 4 | C | | * | 1 | NC B 58 402 B | Dec68 | MUA | Hasan,S.S.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Cu^{64}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | | γ-Spectromet | 3 | AE 4 454 | May58 | CCP | Sklyarevskii,V.V.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Cu^{64}$ | Spin of Reson | 2.8 | 5 | 6.1 | 5 | C | | CaptureGamma | 2 | NP 50 209 | Jan64 | CRC | Bartholomew,G.A.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Cu^{64}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Cu^{65}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 58 | | ALD | Perkin,J.L.+ |
| $Cu^{65}$ | Sigma | 2.5 | 6 | 4.0 | 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Cu^{65}$ | Sigma | 2.5 | 6 | 4.0 | 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Cu^{65}$ | Sigma | 2.0 | 5 | 4.0 | 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Cu^{65}$ | Sigma | 2.0 | 4 | 2.0 | 4 | | | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Cu^{65}$ | Sigma | 2.1 | 4 | 2.1 | 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Cu^{65}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | Indium | Activation | 1 | NP 9 569 59 | | LVN | Vervier,J.F. |
| $Cu^{65}$ | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Cu^{65}$ | Sigma | 1.4 | 5 | 6.1 | 6 | | $U^{235}(n,f)$ | Activation | 26 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Cu^{65}$ | Sigma | 1.4 | 5 | 6.1 | 6 | N | $U^{235}(n,f)$ | Activation | 26 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Cu^{65}$ | Sigma | 2.4 | 4 | 2.0 | 6 | | $U^{235}(n,f)$ | Activation | 27 | AE 10 508 | May61 | CCP | Stavisskii. |
| $Cu^{65}$ | Sigma | 2.4 | 4 | 2.0 | 6 | N | $U^{235}(n,f)$ | Activation | 27 | AE 10 508 | May61 | CCP | Stavisskii. |
| $Cu^{65}$ | Sigma | 3.3 | 3 | 2.1 | 5 | | $\sigma(E \neq E(th))$ | Ring Geomtry | 29 | AE 17 505 | Dec64 | CCP | Tolstikov. |
| $Cu^{65}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Cu^{65}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | Al(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Cu^{65}$ | Sigma | 2.9 | 6 | 2.9 | 6 | | Indium | Activation * | 1 | OSA 105 236 | Jun68 | IRK | Colditz,J.+ |
| $Cu^{65}$ | Sigma | 2.3 | 5 | 3.1 | 6 | | $U^{235}(n,f)$ | Activation | 21 | AE 25 526 | Dec68 | UKR | Zaikin. |
| $Cu^{65}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Cu^{65}$ | Reson Integral | 5.0 | 2 | 5.0 | 2 | | $\sigma$(Thermal) | Proportion C* | 1 | JNE 14 53 | Apr61 | AE | |
| $Cu^{65}$ | Reson Integral | 6.2 | -1 | 6.2 | -1 | | Au(n,γ) | Activation | 1 | DP- 817 | Jan63 | SRL | Baumann. |
| $Cu^{65}$ | Reson Integral | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 2.3 | 6 | 2.3 | 6 | | Carbon | Diff Sig Int | 1 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| $Cu^{65}$ | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | Carbon | TimeOfFlight | 5 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| | INEL SCATTERING | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.1 | 6 | 1.5 | 6 | | Carbon | TimeOfFlight | 17 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| $Cu^{65}$ | Sigma | 2.3 | 6 | 2.3 | 6 | | Carbon | Diff Sig Int | 3 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Arb Units | $4\pi*\sigma(90°)$ * | 1 | AF 39 295 | Apr69 | LND | Joensson,B.+ |
| $Cu^{65}$ | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | Carbon | TimeOfFlight | 10 | COO/1573- 33 | Nov67 | CSE | Rodgers. |
| $Cu^{65}$ | Ang Distrib | 2.2 | 6 | 2.2 | 6 | | H(n,n) | TimeOfFlight | 13 | 70HELSNK/II-305 | Jun70 | JAE | Tanaka,S.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 4.4 | 6 | 4.4 | 6 | | | CrystalScint | 1 | PR 102 461 | Apr56 | WES | Sinclair,R.M. |
| $Cu^{65}$ | Sigma | 2.6 | 6 | 2.5 | 6 | | Absolute | $4\pi*\sigma(90°)$ | 3 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Cu^{65}$ | Sigma | 2.6 | 6 | 2.6 | 6 | N | | $4\pi*\sigma(90°)$ | 3 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Cu^{65}$ | Sigma | 7.6 | 5 | 2.6 | 6 | | H(n,n) | Ring Geomtry | 14 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| $Cu^{65}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | BAP 12 124 | Feb67 | WVU | Eddy,J.K.+ |
| $Cu^{65}$ | Ang Distrib | 7.7 | 5 | 1.4 | 6 | | Iron | TimeOfFlight* | 10 | AP 35 71 | Oct67 | AE | Holmqvist,B.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| $Cu^{65}$ | $\sigma$(Potential) | 2.6 | 3 | 1.4 | 4 | | | Shape Analys | 10 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | PR 88 1309 | Dec52 | LAS | Forbes. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 53 | | CR | Paul. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | AUJ 13 186 60 | | CBR | Weigold. |
| $Cu^{65}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | Absolute | Activation | 8 | BAP 5 246 | Apr60 | TNC | Morgan,I.L.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | JPR 21 377 | May60 | FR | Depraz. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation * | 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |
| $Cu^{65}$ | Sigma | 1.2 | 7 | 2.0 | 7 | | $U^{238}(n,f)$ | Activation | 16 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP 29 309 | Jan62 | CBR | Glover,R.N.+ |
| $Cu^{65}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | | Activation | 9 | 62PADUA- 322 | Sep62 | ANL | Rayburn,L.A. |
| $Cu^{65}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | Al(n,alpha) | Activation * | 10 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | NP 51 337 | Feb64 | TUR | Bonazzola,G.C.+ |
| $Cu^{65}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | H(n,n) | Activation * | 27 | NUK 7 117 | Jan65 | GEL | Paulsen. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Iron | CrystalScint* | 2 | PHY 31 1091 | Jan65 | NED | Nagel,W.+ |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Arb Units | Activation * | 24 | 65ANTWRP-102 A | Jul65 | DEB | Csikai,J. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | 65ANTWRP-102 B | Jul65 | DEB | Csikai,J. |
| $Cu^{65}$ | Sigma | 1.0 | 7 | 1.5 | 7 | | $S^{32}(n,p)$ | Activation | 19 | CJP 44 1183 | May66 | CR | Butler,J.P.+ |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Iron | Activation * | 3 | NAGEL 66L | Dec66 | NED | Nagel,W. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.3 | 7 | 1.3 | 7 | | $Cu^{63}(n,2n)$ | Activation | * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Arb Units | Activation | * | 21 | ZP 207 64 | Oct67 | HAM | Bormann,M.+ |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Ratio | | * | 11 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | * | 27 | NC B 54 53 | Mar68 | CAT | Cuzzocrea,P.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | * | 1 | JIN 31 1 | Jan69 | BIA | Crumpton,D.+ |
| $Cu^{65}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | Absolute | Activation | * | 8 | NP A130 195 | Jun69 | HAM | Bormann,M.+ |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Another Reac | Activation | | 1 | PR 88 1309 | Dec52 | LAS | Forbes. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | | 1 | NP 9 334 | 58 | ARK | Scalon. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | * | 1 | PPS 75 526 | 60 | GLS | Jack,W.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | * | 1 | JPR 21 377 | May60 | PR | Depraz. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * | 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| $Cu^{65}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | Iron | Activation | * | 10 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | NP 51 337 | Feb64 | TUR | Bonazzola,G.C.+ |
| $Cu^{65}$ | Sigma | 3.6 | 6 | 2.0 | 7 | | $S^{32}(n,p)$ | Activation | | 43 | CJP 44 1183 | May66 | CR | Butler,J.P.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | | 1 | YP 5 1175 | Jun67 | KAZ | Vinitskaya. |
| $Cu^{65}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Cu^{65}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | | 1 | PPS 70 195 | 57 | HAR | Allan. |
| | (n,np) REACTION | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | | 1 | PPS 70 195 | 57 | HAR | Allan. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Arb Units | $4\pi i*\sigma(90°)$ | * | 1 | AP 39 295 | Apr69 | LND | Joensson,B.+ |
| | p-EMISSION | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | | 1 | PPS 70 195 | 57 | HAR | Allan. |
| | (n,d) REACTION | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | | 2 | NP A 93 209 | Mar67 | MIL | Chursin. |
| $Cu^{65}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | | 12 | NP A 93 209 | Mar67 | MIL | Chursin. |
| | (n,$He^3$) REACTION | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 2 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Activation | | 1 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| | (n,n alpha) REACT | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | | 1 | NP 35 353 | 62 | ARK | Kantele,J.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Carbon | Activation | | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| $Cu^{65}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | Iron | Activation | * | 8 | ZP 166 477 | Feb62 | HAM | Bormann,M.+ |
| $Cu^{65}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Cu^{65}$ | Sigma | 1.4 | 7 | 2.0 | 7 | | $S^{32}(n,p)$ | Activation | | 7 | CJP 44 1183 | May66 | CR | Butler,J.P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,$\gamma$) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $Cu^{65}$ | Sigma | 1.1 | 3 | 9.7 | 4 | | | Accelerator | | 165 | PR 106 110 | Apr57 | DKE | Marshak,H.+ |
| $Cu^{65}$ | Sigma | 3.9 | 4 | 2.6 | 5 | | Absolute | TimeOfFlight | | 1152 | MULLER 70J | Oct70 | KFK | Proehner,P.H.+ |
| | $\gamma$-WIDTH | | | | | | | | | | | | | |
| $Cu^{65}$ | $\Gamma(\gamma)$ | 2.3 | 2 | 2.3 | 2 | | | | | 1 | 65ANTWRP- 80 | Jul65 | SAC | Julien,J.+ |
| $Cu^{65}$ | $\Gamma(\gamma)$ | 2.5 | 2 | 2.5 | 2 | | | Shape Analys | | 1 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Cu^{65}$ | $\Gamma(\gamma)$ | 2.5 | 3 | 6.4 | 3 | | Absolute | AreaAnalysis | | 5 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| $Cu^{65}$ | $g\Gamma(\gamma)$ | 1.4 | 4 | 1.6 | 4 | | Absolute | AreaAnalysis | | 2 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| $Cu^{65}$ | $\langle\Gamma(\gamma)\rangle$ | 6.5 | 3 | 6.5 | 3 | | Absolute | AreaAnalysis | | 1 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |
| | n-WIDTH | | | | | | | | | | | | | |
| $Cu^{65}$ | $\Gamma(n)$ | 2.5 | 3 | 2.5 | 4 | | | Shape Analys | | 14 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{65}$ | $g\Gamma(n)$ | 2.5 | 2 | 1.4 | 4 | | | Shape Analys | | 11 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Cu^{65}$ | $g\Gamma(n)$ | 2.5 | 3 | 2.6 | 4 | | | Shape Analys | | 20 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{65}$ | $2g\Gamma(n)$ | 2.3 | 2 | 2.3 | 2 | | | | | 1 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Cu^{65}$ | $2g\Gamma(n)$ | 2.3 | 2 | 1.4 | 4 | | | | | 11 | 65ANTWRP- 80 | Jul65 | SAC | Julien,J.+ |
| $Cu^{65}$ | $2g\Gamma(n)$ | 2.5 | 3 | 5.8 | 4 | | | AreaAnalysis | | 21 | 65ANTWRP- 99 | Jul65 | ORL | Good. |
| $Cu^{65}$ | $\Gamma(n,l=0)$ | 2.6 | 3 | 1.4 | 4 | | | Shape Analys | | 10 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Cu^{65}$ | $\Gamma(n,l=0)$ | 2.5 | 3 | 2.5 | 4 | | | Shape Analys | | 14 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{65}$ | $g\Gamma(n,l=0)$ | 2.3 | 2 | 2.6 | 4 | | | Shape Analys | | 21 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{65}$ | $2g\Gamma(n,l=0)$ | 2.6 | 3 | 1.4 | 4 | | | | | 10 | 65ANTWRP- 80 | Jul65 | SAC | Julien,J.+ |
| $Cu^{65}$ | $2g\Gamma(n,l=0)$ | 2.5 | 3 | 5.8 | 4 | | | AreaAnalysis | | 21 | 65ANTWRP- 99 | Jul65 | ORL | Good. |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Cu^{65}$ | $\Gamma$ | 2.3 | 2 | 4.2 | 3 | | | TimeOfFlight | | 3 | PR 111 288 | Jul58 | ANL | Cote. |
| $Cu^{65}$ | $\Gamma$ | 2.3 | 2 | 2.3 | 2 | | | | | 1 | 65ANTWRP- 80 | Jul65 | SAC | Julien,J.+ |
| $Cu^{65}$ | $\Gamma$ | 2.5 | 2 | 1.4 | 4 | | | Shape Analys | | 11 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Cu^{65}$ | Resonance Energy | 2.5 | 3 | 2.0 | 4 | | | TimeOfFlight | | 14 | CR-1860 | 64 | COL | Garg. |
| $Cu^{65}$ | Resonance Energy | 9.8 | 3 | 9.8 | 3 | | | AreaAnalysis | | 1 | 65ANTWRP- 99 | Jul65 | ORL | Good. |
| $Cu^{65}$ | Resonance Energy | 2.5 | 2 | 1.4 | 4 | | | Shape Analys* | | 11 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Cu^{65}$ | Resonance Energy | 2.3 | 2 | 2.6 | 4 | | | Shape Analys* | | 23 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{65}$ | $\sigma(0)$ | 2.3 | 2 | 4.2 | 3 | | | TimeOfFlight | | 3 | PR 111 288 | Jul58 | ANL | Cote. |
| $Cu^{65}$ | Spin of Reson | 2.6 | 3 | 1.4 | 4 | | | Shape Analys | | 10 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Cu^{65}$ | Spin of Reson | 2.5 | 3 | 2.5 | 4 | | | Shape Analys | | 14 | EANDC/E- 89 206 | Feb68 | SAC | Alves,R.+ |
| $Cu^{65}$ | Spin of Reson | 1.4 | 4 | 1.6 | 4 | | Absolute | AreaAnalysis | | 2 | ZP 213 411 | Jul68 | GEL | Weigmann,H.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Cu^{65}$ | Strength Fn(l=0) | 2.5 | 3 | 2.5 | 3 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| $Cu^{65}$ | Strength Fn(l=0) | 3.0 | 4 | 3.0 | 4 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Cu^{66}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | | γ-Spectromet | 2 | AE 4 454 | May58 | CCP | Sklyarevskii,V.V. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Zn | Sigma | 2.5 4 | 8.3 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Zn | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| Zn | Sigma | 1.7 5 | 1.0 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Zn | Sigma | 3.0 4 | 6.5 4 | | Iron | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Zn | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Zn | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Zn | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Zn | Sigma | 1.0 4 | 1.0 5 | | Carbon | $4\pi*\sigma(90°)$ | 14 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Zn | Sigma | 3.7 6 | 3.7 6 | | | Diff Sig Int | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Zn | Sigma | 3.5 6 | 4.8 6 | | | Diff Sig Int | 5 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| Zn | Sigma | 6.5 5 | 6.5 5 | | | Threshold C | 1 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Zn | Sigma | 3.0 5 | 3.0 5 | | | | 1 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Zn | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Zn | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 26 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| Zn | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Zn | Sigma | 2.5 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 8 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Zn | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Zn | Ang Distrib | 4.1 6 | 4.1 6 | | | Biased Scint | 3 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Zn | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 10 | NP 2 124 | Oct56 | GRN | Nauta,H. |
| Zn | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 10 | NP 2 124 | Oct56 | GRN | Nauta,H. |
| Zn | Ang Distrib | 2.8 6 | 2.8 6 | | | Ring Geomtry | 8 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| Zn | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 24 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Zn | Ang Distrib | 1.4 7 | 1.4 7 | | | Biased Scint | 25 | PR 116 1571 | Dec59 | ANL | Rayburn,L.A. |
| Zn | Ang Distrib | 3.5 6 | 4.8 6 | | | TimeOfFlight | 35 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| Zn | Ang Distrib | 6.9 5 | 6.9 5 | | Carbon | Biased Scint | 1 | BAP 7 334 | Apr62 | ANL | Shunk. |
| Zn | Ang Distrib | 6.5 5 | 6.5 5 | | | Threshold C | 8 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Zn | Ang Distrib | 3.0 5 | 3.0 5 | | | Threshold C | 8 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Zn | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Zn | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 10 | NP 68 97 | Jun65 | ORL | Stelson. |
| Zn | Ang Distrib | 3.2 6 | 3.2 6 | | | | 14 | NP 89 154 | 66 | BCM | Becker. |
| Zn | Ang Distrib | 2.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 147 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Zn | Ang Distrib | 1.7 6 | 2.2 6 | | H(n,n) | TimeOfFlight | 26 | 70HELSNK/II-305 | Jun70 | JAE | Tanaka,S.+ |
| Zn | Ang Distrib | 4.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight | 52 | 70HELSNK/II-317 | Jun70 | JAE | Tanaka,S.+ |
| Zn | Legendre Fit | 3.7 6 | 3.7 6 | | | Ring Geomtry | 13 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Zn | Legendre Fit | 2.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 69 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Zn | Polarizat n-out | 3.5 5 | 1.4 6 | | Absolute | PlasticScint | 25 | NP 25 604 | Jun61 | HAR | Brown,D.+ |
| Zn | Polarizat n-out | 4.0 5 | 1.0 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| Zn | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | PEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Zn | Sigma | 3.5 6 | 4.8 6 | | | Diff Sig Int | 5 | 61VIENNA/I- 75 | Aug61 | JAE | Tsukada,K.+ |
| Zn | Sigma | 1.4 6 | 1.5 6 | | Carbon | TimeOfFlight | 3 | PR 135B 76 | Jul64 | ANL | Smith,A.B.+ |
| Zn | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 20 | NP 68 97 | Jun65 | ORL | Stelson. |
| Zn | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 38 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| Zn | Ang Distrib | 1.7 6 | 2.2 6 | | H(n,n) | TimeOfFlight | 26 | 70HELSNK/II-305 | Jun70 | JAE | Tanaka,S.+ |
| Zn | Ang Distrib | 4.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight | 113 | 70HELSNK/II-317 | Jun70 | JAE | Tanaka,S.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Zn | Sigma | 9.4 5 | 2.6 6 | | H(n,n) | Ring Geomtry | 38 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| Zn | Ang Distrib | 3.1 6 | 4.7 6 | | | Ring Geomtry | 40 | JPJ 16 355 | Mar61 | JAE | Nishimura. |
| Zn | Ang Distrib | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | BAP 12 124 | Feb67 | WVU | Eddy,J.K.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Zn | Sigma | 6.0 4 | 1.4 6 | | Carbon | Diff Sig Int | 18 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Zn | Ang Distrib | 6.0 4 | 1.4 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Zn | σ(Potential) | 1.0 3 | 1.0 3 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| Zn | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Zn | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Zn | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Zn | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Zn | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ZMP 16 820 | 65 | ETH | Fischer. |
| | (n,2n) REACTION | | | | | | | | | | |
| Zn | Sigma | 1.4 7 | 1.4 7 | | $Cf^{252}(Nu)$ | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |
| | (n,p) REACTION | | | | | | | | | | |
| Zn | Sigma | 2.2 6 | 3.6 6 | P | | * | 6 | SYMONDS 67C | Mar67 | AML | Armitage,F.G. |
| | p-EMISSION | | | | | | | | | | |
| Zn | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | 1 | PR 125 1011 | Feb62 | BRN | Hassler. |
| Zn | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | 10 | PR 125 1011 | Feb62 | BRN | Hassler. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Zn | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,F.C.W.+ |
| Zn | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Zn | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Zn | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Zn | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Zn | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| Zn | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Zn | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| Zn | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Zn | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| Zn | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Zn | Sigma | 1.0 6 | 4.5 6 | | Absolute | Shell Trans | 3 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Zn | Sigma | 3.3 6 | 4.1 6 | | Absolute | Shell Trans | 2 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Zn | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 2 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Zn | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| Zn | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Zn | Sigma | 2.5 6 | 7.0 6 | | Absolute | Shell Trans | 2 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NONELASTIC SCATT (CONTINUED) | | | | | | | | | | | | | |
| Zn | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Zn | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Zn | Sigma | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Zn | Sigma | 3.7 | 6 | 3.7 | 6 | | | Total | | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| Zn | Sigma | 8.3 | 7 | 8.3 | 7 | | | Threshold C | | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| Zn | Sigma | 2.1 | 5 | 1.0 | 6 | | Absolute | Accelerator | | 11 | PR 77 748 | Mar50 | WIS | Adair. |
| Zn | Sigma | 1.0 | 6 | 3.2 | 6 | | Absolute | Accelerator | | 14 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Zn | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Zn | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Zn | Sigma | 2.7 | 6 | 1.3 | 7 | | Absolute | Ion Chamber | | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Zn | Sigma | 4.1 | 6 | 4.1 | 6 | | Absolute | Biased Scint | | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Zn | Sigma | 1.3 | 7 | 1.6 | 7 | | Absolute | Accelerator | | 7 | PR 100 972 | Nov55 | MEX | Mazari. |
| Zn | Sigma | 7.2 | 6 | 2.6 | 7 | S | Absolute | Biased Scint | | 4 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Zn | Sigma | 4.0 | 6 | 8.0 | 6 | | | CrystalScint | | 39 | PR 110 466 | Apr58 | COL | Weil. |
| Zn | Sigma | 4.2 | 0 | 2.1 | 3 | | | TimeOfFlight | | 91 | PR 110 692 | May58 | BNL | Seth. |
| Zn | Sigma | 7.0 | 6 | 1.4 | 7 | | Absolute | Biased Scint | | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Zn | Sigma | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Zn | Sigma | 3.7 | 6 | 3.7 | 6 | | Absolute | Accelerator | | 1 | PR 114 1563 | Jun59 | BAR | Machwe. |
| Zn | Sigma | 1.2 | 7 | 2.0 | 7 | | Absolute | TimeOfFlight | | 13 | NP 16 313 | May60 | HAR | Mccallum,G.J.+ |
| Zn | Sigma | 1.8 | 7 | 2.9 | 7 | | Absolute | Biased Scint | | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Zn | Sigma | 2.8 | 7 | 2.8 | 7 | | Absolute | PlasticScint | | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Zn | Sigma | 2.0 | 2 | 7.5 | 4 | | Absolute | TimeOfFlight | | 4552 | BAP 8 334 | Apr63 | COL | Singh. |
| Zn | Sigma | 2.0 | 2 | 5.4 | 5 | P | Absolute | TimeOfFlight | | 16585 | BAP 8 334 | Apr63 | COL | Singh. |
| Zn | Sigma | 1.0 | 4 | 6.4 | 5 | | Absolute | Accelerator | | 89 | PL 16 306 | Jun65 | DKE | Seth. |
| Zn | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | | | 535 | WASH-1068 9 | Mar66 | ANL | Meadows,J.W.+ |
| Zn | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | | 249 | FOSTER 67E | May67 | BNW | Foster. |
| Zn | Sigma | 4.5 | 6 | 7.6 | 6 | | Absolute | Accelerator | | 61 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Zn | Sigma | 4.5 | 6 | 7.5 | 6 | S | Absolute | Accelerator | | 61 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Zn | Sigma | 2.5 | -2 | 2.5 | -2 | | | Extrapolatn | | 1 | JNE 22 389 | Jun68 | UAR | El-Ela. |
| Zn | Sigma | 2.3 | -3 | 1.1 | -1 | | Absolute | TimeOfFlight | | 112 | JNE 22 389 | Jun68 | UAR | El-Ela. |
| | n-WIDTH | | | | | | | | | | | | | |
| Zn | 2agΓ(n) | 2.8 | 2 | 3.2 | 2 | | | CaptureGamma | | 2 | EANDC/E- 49 55 | Oct63 | SAC | Bianchi,G.+ |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| Zn | Γ | 2.8 | 2 | 2.8 | 2 | | | CaptureGamma | | 1 | EANDC/E- 49 55 | Oct63 | SAC | Bianchi,G.+ |
| Zn | $\Gamma^2\sigma(0)$ | 4.9 | 2 | 2.5 | 3 | | | CaptureGamma | | 2 | KAPL-1084 | 54 | KAP | Gaerttner. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| Zn | Resonance Energy | 2.8 | 2 | 2.8 | 2 | | | CaptureGamma | | 1 | KAPL-1084 | 54 | KAP | Gaerttner. |
| Zn | Resonance Energy | 2.2 | 2 | 5.5 | 4 | | | TimeOfFlight | | 119 | CR-1860 | 64 | COL | Garg. |
| Zn | Resonance Energy | 2.2 | 2 | 5.5 | 4 | | | TimeOfFlight | | 130 | GARG 64D | Apr64 | COL | Garg,J.B. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| Zn | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Zn | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | | |
| Zn | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | | 2 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| Zn | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | Absolute | Count Telesc | | 1 | ZP 201 241 | Apr67 | GER | Emmerich,W.D.+ |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Zn^{64}$ | Sigma | 2.1 | 4 | 2.1 | 4 | | $I^{127}$ | Activation | | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Zn^{64}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | | 2 | JIN 29 2853 | Dec67 | CAN | Sims. |
| $Zn^{64}$ | Reson Integral | 6.0 | 2 | 6.0 | 2 | | Au(n,γ) | Activation | * | 1 | JNE 17 350 | Oct63 | AE | Brune,D.+ |
| $Zn^{64}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | $Co^{59}$ | Activation | | 1 | JIN 29 2853 | Dec67 | CAN | Sims. |
| | (n,n'γ) REACTION | | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li)Detect | * | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Ge(Li)Detect | * | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| | (n,2n) REACTION | | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Zn^{64}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | | Activation | * | 18 | NP 1 73 | 56 | UK | Cohen,A.V.+ |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * | 1 | JPJ 12 443 | May57 | KON | Yasumi. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}$(n,2n) | Activation | | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}$(n,2n) | Activation | | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| $Zn^{64}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | $\sigma(E\neq E(th))$ | Activation | | 12 | PR 119 311 | Jul60 | RED | Koehler. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Copper | Activation | | 5 | NP 32 106 | Apr62 | CBR | Weigold,E.+ |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| $Zn^{64}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | $Cu^{63}$(n,2n) | Activation | | 5 | PR 130 731 | Apr63 | ANL | Rayburn. |
| $Zn^{64}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | $Cu^{63}$(n,2n) | Activation | * | 8 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Zn^{64}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | H(n,n) | Activation | * | 27 | NUK 7 117 | Jan65 | GEL | Paulsen. |
| $Zn^{64}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | | | | 11 | NUK 7 117 | Jan65 | KTY | Paulsen. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | * | 1 | 65ANTWRP-102 B | Jul65 | DEB | Csikai,J. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | AEET- 267 59 | Aug66 | BOS | Chatterjee,A.+ |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | IJP 41 752 | Oct67 | BOS | Mitra. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | | Activation | | 7 | JIN 30 1 | Jan68 | TOH | Shiokawa,T.+ |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | | Solidstate C | | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.8 | 7 | | Absolute | Activation | * | 9 | NP A130 195 | Jun69 | HAM | Bormann,M.+ |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Zn^{64}$ | Sigma | 2.0 | 6 | 3.5 | 6 | | $P^{31}$(n,p) | Activation | | 12 | PR 114 565 | Apr59 | CHL | Rapaport. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| $Zn^{64}$ | Sigma | 1.3 | 7 | 1.6 | 7 | | | CrystalScint | * | 2 | PPS 75 526 | 60 | GLS | Jack,W.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION (CONTINUED) | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | NP 19 40 | Sep60 | LAS | Armstrong. |
| $Zn^{64}$ | Sigma | 3.3 | 6 | 3.3 | 6 | | | Activation | 1 | NP 24 340 | Apr61 | CHL | Van Loef,J.J. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Copper | Activation | 5 | NP 32 106 | Apr62 | CBR | Weigold,E.+ |
| $Zn^{64}$ | Sigma | 1.8 | 6 | 4.8 | 6 | | | Activation * | 13 | JPJ 17 1215 | Aug62 | JAE | Nakai,K.+ |
| $Zn^{64}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | Copper | Activation | 17 | PR 128 1276 | Nov62 | KTY | Gabbard. |
| $Zn^{64}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | Copper | Activation * | 5 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Zn^{64}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | $S^{32}$(n,p) | Activation | 1 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $P^{31}$(n,p) | Activation * | 1 | RCA 5 28 | May66 | OSL | Kjelberg,A.+ |
| $Zn^{64}$ | Sigma | 2.0 | 6 | 2.0 | 6 | | | Activation | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| $Zn^{64}$ | Sigma | 1.5 | 6 | 4.6 | 6 | | | Long Counter | 16 | BAP 12 481 | Apr67 | CR | Santry. |
| $Zn^{64}$ | Sigma | 4.8 | 6 | 2.0 | 7 | | $S^{32}$(n,p) | Activation | 47 | BAP 12 481 | Apr67 | CR | Santry. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | YF 5 1175 | Jun67 | KAZ | Vinitskaya. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Zn^{64}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.8 | 7 | | Absolute | Activation * | 10 | NP A130 195 | Jun69 | HAM | Bormann,M.+ |
| $Zn^{64}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 2 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |
| $Zn^{64}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 2 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Zn^{64}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | C | Absolute | Nuc Emulsion | 1 | JPJ 25 964 | Oct68 | KYU | Iwatani,K.+ |
| $Zn^{64}$ | $\sigma$(Direct) | 1.4 | 7 | 1.4 | 7 | C | Absolute | Nuc Emulsion | 1 | JPJ 25 964 | Oct68 | KYU | Iwatani,K.+ |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 20 | NP 19 40 | Sep60 | LAS | Armstrong. |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Nuc Emulsion | 60 | JPJ 25 964 | Oct68 | KYU | Iwatani,K.+ |
| | (n,np) REACTION | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | NP 19 40 | Sep60 | LAS | Armstrong. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | Absolute | Nuc Emulsion | 1 | JPJ 25 964 | Oct68 | KYU | Iwatani,K.+ |
| | p-EMISSION | | | | | | | | | | | | |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 11 | NP 19 40 | Sep60 | LAS | Armstrong. |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Nuc Emulsion | 15 | JPJ 25 964 | Oct68 | KYU | Iwatani,K.+ |
| | (n,d) REACTION | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | Absolute | Diff Sig Int | 1 | FAZIO 66C | Mar66 | MIL | Fazio,M.+ |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 2 | PIGNANELLI 66K | Nov66 | MIL | Chursin,G.+ |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Count Telesc | 8 | FAZIO 66C | Mar66 | MIL | Fazio,M.+ |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | 8 | PIGNANELLI 66K | Nov66 | MIL | Chursin,G.+ |
| | (n,t) REACTION | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | CJC 39 684 | 61 | CAN | Baerg. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | CJC 39 684 | 61 | CAN | Baerg. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | APH 24 199 | 68 | DEB | Csikai. |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Solidstate C | 2 | NP A127 81 | Apr69 | OTC | Spira. |
| $Zn^{64}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Count Telesc | 1 | PPS 81 808 | 63 | GLS | Irfan. |
| $Zn^{64}$ | Ang Distrib | 4.5 | 6 | 5.0 | 6 | | Absolute | Solidstate C | 14 | 64PARIS/II- 724 | Jul64 | CAT | Calvi,G.+ |
| | (n,n alpha) REACT | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 1 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| $Zn^{64}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Count Telesc | 1 | PPS 81 808 | 63 | GLS | Irfan. |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | CrystalScint | 6 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| | alpha-EMISSION | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | 1 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | CrystalScint | 12 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | PlasticScint | 1 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| $Zn^{64}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | CrystalScint | 5 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Zn^{64}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | $\gamma$-WIDTH | | | | | | | | | | | | |
| $Zn^{64}$ | $\Gamma(\gamma)$ | 2.9 | 2 | 2.9 | 2 | | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| | n-WIDTH | | | | | | | | | | | | |
| $Zn^{64}$ | $2g\Gamma(n)$ | 2.9 | 2 | 2.9 | 2 | | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Zn^{64}$ | $\Gamma$ | 2.7 | 3 | 4.6 | 3 | | | AreaAnalysis | 2 | PR 104 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| $Zn^{64}$ | $\Gamma$ | 2.7 | 3 | 4.6 | 3 | | | TimeOfFlight | 2 | PR 104 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Zn^{64}$ | Resonance Energy | 2.6 | 3 | 1.5 | 4 | | | TimeOfFlight | 5 | CR-1860 | 64 | COL | Garg. |
| $Zn^{64}$ | $\sigma$(0) | 2.7 | 3 | 4.6 | 3 | | | AreaAnalysis | 2 | PR 104 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| $Zn^{64}$ | $\sigma$(0) | 2.7 | 3 | 4.6 | 3 | | | TimeOfFlight | 2 | PR 104 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Zn^{64}$ | Strengtb Fn(l=0) | 7.5 | 3 | 7.5 | 3 | | | | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Zn^{65}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | |
| $Zn^{66}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | $\gamma$-Spectromet | 1 | YF 6 906 | Nov67 | CCP | Bystrov. |
| | (n,n'$\gamma$) REACTION | | | | | | | | | | | | |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li) Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Ge(Li) Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION | | | | | | | | | | | | | | |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | * | 1 | AHP 23 | 87 | May67 | DEB | Csikai. |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | | Solidstate C | | 1 | BAP 13 | 602 | Apr68 | GIT | Ranakumar. |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | | 1 | NP A122 | 679 | Dec68 | GIT | Ranakumar. |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.8 | 7 | | Absolute | Activation | * | 9 | NP A130 | 195 | Jun69 | HAM | Bormann,M.+ |
| | (n,p) REACTION | | | | | | | | | | | | | | |
| $Zn^{66}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 | 267 | 53 | CR | Paul. |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * | 1 | JPJ 12 | 443 | May57 | KON | Yasumi. |
| $Zn^{66}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Alna+Cu(n2n) | Activation | | 1 | NP 15 | 326 | 60 | ARK | Preiss,I.L.+ |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | ZET 45 | 305 | Aug63 | CCP | Levkovskii. |
| $Zn^{66}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | EANDC/E- 49 | 4 | Oct63 | HAM | Bormann,M.+ |
| $Zn^{66}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | $\sigma$(E≠E(th)) | Activation | | 6 | NP 63 | 438 | Mar65 | HAM | Bormann,M.+ |
| $Zn^{66}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Li^{6}$(n,a) | Activation | | 1 | NP 63 | 438 | Mar65 | HAM | Bormann,M.+ |
| $Zn^{66}$ | Sigma | 2.0 | 6 | 2.0 | 6 | | | Activation | | 1 | NUK 9 | 228 | Mar67 | MUN | Rau,G. |
| $Zn^{66}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | | 1 | YF 5 | 1175 | Jun67 | KAZ | Vinitskaya. |
| $Zn^{66}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | AE 25 | 437 | Nov68 | CCP | Nasyrov. |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,p) | Activation | | 1 | NP A122 | 679 | Dec68 | GIT | Ranakumar. |
| $Zn^{66}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate | * | 2 | NP 24 | 274 | Apr61 | HAR | Allan,D.L. |
| $Zn^{66}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | C | Absolute | Nuc Emulsion | | 1 | JPJ 25 | 964 | Oct68 | KYU | Iwatani,K.+ |
| $Zn^{66}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Nuc Emulsion | | 30 | JPJ 25 | 964 | Oct68 | KYU | Iwatani,K.+ |
| | (n,np) REACTION | | | | | | | | | | | | | | |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Photo Plate | * | 1 | NP 24 | 274 | Apr61 | HAR | Allan,D.L. |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate | * | 1 | NP 24 | 274 | Apr61 | HAR | Allan,D.L. |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | Absolute | Nuc Emulsion | | 1 | JPJ 25 | 964 | Oct68 | KYU | Iwatani,K.+ |
| | p-EMISSION | | | | | | | | | | | | | | |
| $Zn^{66}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Nuc Emulsion | | 15 | JPJ 25 | 964 | Oct68 | KYU | Iwatani,K.+ |
| | (n,d) REACTION | | | | | | | | | | | | | | |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Diff Sig Int | | 4 | PIGNANELLI 66K | | Nov66 | MIL | Chursin,G.+ |
| $Zn^{66}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | H(n,n) | Count Telesc | | 18 | PIGNANELLI 66K | | Nov66 | MIL | Chursin,G.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | |
| $Zn^{66}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | | 1 | NP A 92 | 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | $\gamma$-WIDTH | | | | | | | | | | | | | | |
| $Zn^{66}$ | $\Gamma(\gamma)$ | 3.3 | 2 | 3.3 | 2 | | | | | 1 | ZET 49 | 410 | Aug65 | DUB | Kim Hi San. |
| | n-WIDTH | | | | | | | | | | | | | | |
| $Zn^{66}$ | $\Gamma(n)$ | 1.1 | 4 | 2.[illegible] | 4 | | | AreaAnalysis | | 3 | BAP 4 | 42 | Jan59 | ORL | Miller. |
| $Zn^{66}$ | $2g\Gamma(n)$ | 3.3 | 2 | 3.3 | 2 | | | | | 1 | ZET 49 | 410 | Aug65 | DUB | Kim Hi San. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| $Zn^{66}$ | Resonance Energy | 1.0 | 4 | 1.8 | 4 | | | TimeOfFlight | | 3 | BAP 4 | 42 | Jan59 | ORL | Miller. |
| $Zn^{66}$ | Resonance Energy | 1.0 | 4 | 2.4 | 4 | | | TimeOfFlight | | 5 | CR-1860 | | 64 | COL | Garg. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | | | |
| $Zn^{67}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | $\gamma$-Spectromet | | 1 | YF 6 | 906 | Nov67 | CCP | Bystrov. |
| | (n,p) REACTION | | | | | | | | | | | | | | |
| $Zn^{67}$ | Sigma | 3.3 | 6 | 3.3 | 6 | | | Activation | | 1 | NP 24 | 340 | Apr61 | CHL | Van Loef,J.J. |
| $Zn^{67}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | ZET 45 | 305 | Aug63 | CCP | Levkovskii. |
| $Zn^{67}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | $S^{32}$(n,p) | Activation | | 1 | JNE 18 | 417 | Aug64 | AUL | Boldeman,J.W.+ |
| $Zn^{67}$ | Sigma | 2.0 | 6 | 2.0 | 6 | | | Activation | | 1 | NUK 9 | 228 | Mar67 | MUN | Rau,G. |
| $Zn^{67}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | | 1 | YF 5 | 1175 | Jun67 | KAZ | Vinitskaya. |
| $Zn^{67}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | | Solidstate C | | 1 | BAP 13 | 602 | Apr68 | GIT | Ranakumar. |
| $Zn^{67}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | Iron | | | 1 | JAR 20 | 121 | 69 | ORL | O'brien. |
| $Zn^{67}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | TID-24823 | 46 | Jan69 | ORL | |
| $Zn^{67}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate | * | 2 | NP 24 | 274 | Apr61 | HAR | Allan,D.L. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| $Zn^{67}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | | | 3 | AE 14 | 185 | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | |
| $Zn^{67}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | | 1 | NP A 92 | 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | $\gamma$-WIDTH | | | | | | | | | | | | | | |
| $Zn^{67}$ | $\Gamma(\gamma)$ | 2.3 | 2 | 4.6 | 2 | | | | | 3 | ZET 49 | 410 | Aug65 | DUB | Kim Hi San. |
| | n-WIDTH | | | | | | | | | | | | | | |
| $Zn^{67}$ | $2g\Gamma(n)$ | 4.6 | 2 | 4.6 | 2 | | | CaptureGamma | | 1 | ZET 49 | 410 | Aug65 | CCP | Kim Hi San. |
| $Zn^{67}$ | $2g\Gamma(n)$ | 4.6 | 2 | 4.6 | 2 | | | | | 1 | ZET 49 | 410 | Aug65 | DUB | Kim Hi San. |
| $Zn^{67}$ | $2g\Gamma(n)$ | 2.3 | 2 | 2.3 | 2 | | | CaptureGamma | | 2 | ZET 49 | 410 | Aug65 | DUB | Kim Hi San. |
| | TOTAL WIDTH | | | | | | | | | | | | | | |
| $Zn^{67}$ | $\Gamma$ | 2.2 | 2 | 2.3 | 3 | | | AreaAnalysis | | 4 | PR 104 | 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| $Zn^{67}$ | $\Gamma$ | 2.2 | 2 | 2.3 | 3 | | | TimeOfFlight | | 4 | PR 104 | 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| $Zn^{67}$ | $\sigma$(0) | 2.2 | 2 | 2.3 | 3 | | | AreaAnalysis | | 4 | PR 104 | 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| $Zn^{67}$ | $\sigma$(0) | 2.2 | 2 | 2.3 | 3 | | | TimeOfFlight | | 4 | PR 104 | 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| $Zn^{67}$ | Spin of Reson | 2.3 | 2 | 2.3 | 2 | | | CaptureGamma | | 1 | ZET 49 | 410 | Aug65 | DUB | Kim Hi San. |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| $Zn^{67}$ | Strength Fn(l=0) | 1.5 | 3 | 1.5 | 3 | | | TimeOfFlight | | 1 | PR 104 | 1006 | Nov56 | ANL | Dahlberg,D.A. |
| | LEVEL DENS PARAM | | | | | | | | | | | | | | |
| $Zn^{67}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | * | 1 | NP 24 | 274 | Apr61 | HAR | Allan,D.L. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | | | |
| $Zn^{68}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 2 | PR 72 | 888 | Nov47 | ANL | Seren,L.+ |
| $Zn^{68}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 2 | PR 75 | 1781 | Jun49 | ANL | Hughes. |
| $Zn^{68}$ | Sigma | 2.0 | 5 | 4.0 | 6 | | $I^{127}$ | Activation | | 3 | 58GENEVA/15- | 50 | Sep58 | CCP | Leipunsky. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | |
| $Zn^{66}$ | Sigma | 2.0 4 | 2.0 4 | | | Activation | | 2 | PR 112 226 | Oct58 | LRL | Booth. |
| $Zn^{68}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | | 2 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Zn^{68}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Zn^{68}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * | 2 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Zn^{68}$ | Sigma | 2.9 6 | 2.9 6 | | Indium | Activation | * | 1 | OSA 105 236 | Jun68 | IRK | Colditz,J.+ |
| $Zn^{68}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | | 1 | NP A124 15 | Feb69 | MIT | Zoller. |
| $Zn^{68}$ | Reson Integral | 6.0 2 | 6.0 2 | | Au(n,γ) | Activation | * | 1 | JNE 17 350 | Oct63 | AE | Brune,D.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Zn^{68}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect | * | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Zn^{68}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect | * | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Zn^{68}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | * | 1 | OSA 99 1 | Jan62 | IRK | Wenusch,R.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| $Zn^{68}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| $Zn^{68}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Zn^{68}$ | Sigma | 2.0 6 | 2.0 6 | | | Activation | | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| $Zn^{68}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |
| | (n,d) REACTION | | | | | | | | | | | |
| $Zn^{68}$ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Diff Sig Int | | 3 | PIGNANELLI 66K | Nov66 | MIL | Chursin,G.+ |
| $Zn^{68}$ | Ang Distrib | 1.4 7 | 1.4 7 | | H(n,n) | Count Telesc | | 6 | PIGNANELLI 66K | Nov66 | MIL | Chursin,G.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Zn^{68}$ | Sigma | 1.0 6 | 1.0 6 | | $P^{31}$(n,p) | Activation | * | 1 | JENER- 23 | 54 | KJL | Saeland,E.+ |
| $Zn^{68}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | | 1 | PR 100 429 | Oct55 | ORL | Blosser. |
| $Zn^{68}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation | | 1 | NP 15 326 | 60 | ARK | Preiss,I.L.+ |
| $Zn^{68}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Zn^{68}$ | Sigma | 2.0 6 | 2.0 6 | | Norm To Abs | Activation | | 1 | EANDC/E- 66 34 | Feb66 | MUN | Rau,G. |
| $Zn^{68}$ | Sigma | 2.0 6 | 2.0 6 | | | Activation | | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| $Zn^{68}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | | 1 | YF 5 1175 | Jun67 | KAZ | Vinitskaya. |
| $Zn^{68}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |
| $Zn^{68}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| $Zn^{68}$ | Sigma | 3.0 4 | 5.2 5 | | Absolute | Accelerator | | 1124 | AP 37 367 | May66 | DKE | Farrell,J.A.+ |
| $Zn^{68}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | | |
| $Zn^{68}$ | $\Gamma(\gamma)$ | 5.3 2 | 5.3 2 | | | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| | n-WIDTH | | | | | | | | | | | |
| $Zn^{68}$ | $\Gamma(n)$ | 2.1 4 | 2.1 4 | | | AreaAnalysis | | 1 | BAP 4 42 | Jan59 | ORL | Miller. |
| $Zn^{68}$ | $2g\Gamma(n)$ | 5.3 2 | 5.3 2 | | | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Zn^{68}$ | $\Gamma$ | 5.3 2 | 5.3 2 | | | AreaAnalysis | | 1 | PR 104 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| $Zn^{68}$ | $\Gamma$ | 5.3 2 | 5.3 2 | | | TimeOfFlight | | 1 | PR 104 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| | OTHER RESCN PARAM | | | | | | | | | | | |
| $Zn^{68}$ | Resonance Energy | 1.8 4 | 1.8 4 | | | TimeOfFlight | | 1 | BAP 4 42 | Jan59 | ORL | Miller. |
| $Zn^{68}$ | Resonance Energy | 1.9 4 | 1.9 4 | | | TimeOfFlight | | 1 | CR-1860 | 64 | COL | Garg. |
| $Zn^{68}$ | $\sigma(0)$ | 5.3 2 | 5.3 2 | | | AreaAnalysis | | 1 | PR 104 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| $Zn^{68}$ | $\sigma(0)$ | 5.3 2 | 5.3 2 | | | TimeOfFlight | | 1 | PR 104 1006 | Nov56 | ANL | Dahlberg,D.A.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Zn^{68}$ | Nucl Temperature | 1.4 7 | 1.4 7 | | | | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Zn^{69}$ | Spin cut-off Par | 2.4 4 | 2.4 4 | | | | * | 1 | NP A117 545 | Sep68 | MUA | Chaubey,A.K.+ |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Zn^{70}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | HUGHES 51 | 51 | ANL | Hughes. |
| $Zn^{70}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | | 1 | PR 124 1526 | Dec61 | PSU | Thwaites. |
| $Zn^{70}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | | 2 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Zn^{70}$ | Sigma | 1.2 7 | 1.2 7 | | | Activation | * | 1 | AK 8 79 | Jun66 | DEB | Csikai,J. |
| $Zn^{70}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Zn^{70}$ | Sigma | 1.4 7 | 1.4 7 | S | | Solidstate C | | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Zn^{70}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | | 1 | NP A122 679 | Dec68 | GIT | Ranakumar. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Zn^{70}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | PR 138B1390 | Jun65 | ARK | Meason,J.L.+ |
| | (n,n alpha) REACT | | | | | | | | | | | |
| $Zn^{70}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| $Zn^{70}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ga | Sigma | 6.5 4 | 6.5 4 | | Indium | Scint Tank | 1 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Ga | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Ga | Sigma | 4.0 -3 | 9.0 4 | | | | 107 | KONKS 64 | 64 | CCP | Konks. |
| Ga | Sigma | 1.1 4 | 3.4 5 | | $U^{235}$(n,f) | Activation | 7 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Ga | Ang Distrib | 3.2 6 | 3.2 6 | | | | 14 | NP 89 154 | 66 | BCM | Becker. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ga | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | KRI 8 785 | Sep63 | KUR | Konakhovich,Yu.Ya.+ |
| Ga | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | KRI 8 675 | 63 | CCP | Kuz'minov. |
| Ga | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | KRI 8 785 | Sep63 | KUR | Konakhovich,Yu.Ya.+ |
| Ga | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 131 2098 | Sep63 | LAS | Arnold. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ga | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 2 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ga | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ga | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ga | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ga | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ga | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Ga | Sigma | 1.4 5 | 3.0 6 | | Absolute | Accelerator | 22 | PR 89 1271 | Mar53 | WIS | Walt. |
| Ga | Sigma | 1.5 1 | 6.8 3 | | Absolute | TimeOfFlight | 154 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| Ga | Sigma | 4.3 3 | 5.4 4 | | | Proportion C | 51 | PR 105 198 | Jan57 | DKE | Newson. |
| Ga | Sigma | 8.8 6 | 2.6 7 | S | Absolute | Biased Scint | 4 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Ga | Sigma | 8.7 6 | 1.5 7 | | Absolute | Biased Scint | 4 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Ga | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Ga | Sigma | 3.4 5 | 1.2 6 | | Absolute | CrystalScint | 207 | EANDC/E- 57 150 | Feb65 | PR | Cabe. |
| Ga | Sigma | 3.6 6 | 5.2 6 | | Absolute | CrystalScint | 29 | EANDC/E- 57 151 | Feb65 | PR | Cabe. |
| Ga | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 241 | POSTER 67E | May67 | BNW | Poster. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Ga | Resonance Energy | 4.7 2 | 3.5 3 | | | TimeOfFlight | 11 | PL 10 86 | 64 | SAC | Julien,J.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Ga | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Ga | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ga^{69}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Ga^{69}$ | Sigma | 2.5 6 | 4.0 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Ga^{69}$ | Sigma | 2.5 6 | 4.0 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Ga^{69}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Ga^{69}$ | Sigma | 2.4 5 | 2.0 6 | | $I^{127}$ | Activation | 15 | AE 7 259 | Sep59 | CCP | Stavisskii. |
| $Ga^{69}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Ga^{69}$ | Sigma | 3.0 6 | 3.0 6 | | $P^{31}$(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Ga^{69}$ | Sigma | 2.0 5 | 3.1 6 | | $U^{235}$(n,f) | Activation | 23 | AE 26 67 | Jan69 | OBN | Dovbenko. |
| $Ga^{69}$ | Sigma | 1.1 4 | 3.4 5 | | $U^{235}$(n,f) | Activation | 8 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| $Ga^{69}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| $Ga^{69}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Ga^{69}$ | Ang Distrib | 6.5 5 | 1.8 6 | | Iron | Ge(Li)Detect | 130 | PR 179 1090 | Mar69 | KTY | Velkley. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ga^{69}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}$(n,2n) | Activation | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Ga^{69}$ | Sigma | 1.4 7 | 1.4 7 | S | Copper | Activation | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Ga^{69}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}$(n,2n) | Activation | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Ga^{69}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Ga^{69}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| $Ga^{69}$ | Sigma | 1.3 7 | 1.9 7 | | σ(E≠E(th)) | Activation * | 11 | NP 63 438 | Mar65 | HAM | Bormann,M.+ |
| $Ga^{69}$ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Activation * | 1 | NP 63 438 | Mar65 | HAM | Bormann,M.+ |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | AEET- 267 59 | Aug66 | BOS | Chatterjee,A.+ |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | IJP 41 752 | Oct67 | BOS | Mitra. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation | 1 | JIN 27 2471 | Dec65 | ZAG | Kolar,Z.+ |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | YF 5 1175 | Jun67 | KAZ | Vinitskaya. |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | YF 5 1175 | Jun67 | KAZ | Vinitskaya. |
| $Ga^{69}$ | Sigma | 1.0 6 | 1.0 6 | | Iron | | 1 | JAR 19 853 | Dec68 | ORL | Hupf. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ga^{69}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | YF 5 1175 | Jun67 | KAZ | Vinitskaya. |
| $Ga^{69}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | TID-24823 52 | Jan69 | ORL | Hupf. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ga^{69}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | |
| $Ga^{69}$ | Γ(γ) | 3.3 2 | 2.5 3 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | |
| $Ga^{69}$ | Γ(n) | 1.1 2 | 7.1 2 | | | AreaAnalysis | 3 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Ga^{69}$ | Γ(n) | 3.3 2 | 2.5 3 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Ga^{69}$ | gΓ(n) | 3.3 2 | 2.5 3 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Ga^{69}$ | 2gΓ(n) | 3.3 2 | 2.5 3 | | | TimeOfFlight | 7 | PL 10 86 | 64 | SAC | Julien,J.+ |
| $Ga^{69}$ | Γ(n,l=0) | 1.1 2 | 7.1 2 | | | AreaAnalysis | 3 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Ga^{69}$ | Γ(n,l=0) | 3.3 2 | 2.5 3 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | |
| $Ga^{69}$ | $g\Gamma(n,l=0)$ | 3.3 | 2 | 2.5 | 3 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Ga^{69}$ | $\Gamma$ | 1.1 | 2 | 7.1 | 2 | | | AreaAnalysis | 3 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Ga^{69}$ | $\Gamma$ | 7.1 | 2 | 7.1 | 2 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| $Ga^{69}$ | $\Gamma$ | 3.3 | 2 | 2.5 | 3 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Ga^{69}$ | $\Gamma^2\sigma(0)$ | 1.1 | 2 | 7.1 | 2 | | | TimeOfFlight | 3 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Ga^{69}$ | Resonance Energy | 3.3 | 2 | 2.5 | 3 | | | Shape Analys* | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Ga^{69}$ | $\sigma(0)$ | 1.1 | 2 | 7.1 | 2 | | | TimeOfFlight | 3 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Ga^{69}$ | $\sigma(0)$ | 7.1 | 2 | 7.1 | 2 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| $Ga^{69}$ | Spin of Reson | 3.3 | 2 | 2.5 | 3 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Ga^{69}$ | Strength Fn(l=0) | 1.4 | 2 | 1.4 | 2 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |
| $Ga^{69}$ | Strength Fn(l=0) | 2.5 | 3 | 2.5 | 3 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | |
| $Ga^{71}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Ga^{71}$ | Sigma | 2.4 | 4 | 2.4 | 4 | S | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ga^{71}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Ga^{71}$ | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Ga^{71}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Ga^{71}$ | Sigma | 3.7 | 5 | 1.7 | 6 | | $I^{127}$ | Activation | 7 | AE 7 259 | Sep59 | CCP | Stavisskii. |
| $Ga^{71}$ | Sigma | 1.6 | 5 | 2.5 | 6 | | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Ga^{71}$ | Sigma | 1.6 | 5 | 2.5 | 6 | N | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Ga^{71}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Activation | 1 | ADP 12 225 | 63 | ROS | Alexander. |
| $Ga^{71}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Ga^{71}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | $P^{31}$(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Ga^{71}$ | Sigma | 2.2 | 5 | 3.1 | 6 | | $U^{235}$(n,f) | Activation | 25 | AE 26 67 | Jan69 | OBN | Dovbenko. |
| $Ga^{71}$ | Sigma | 1.1 | 4 | 3.4 | 5 | | $U^{235}$(n,f) | Activation | 8 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| $Ga^{71}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| $Ga^{71}$ | Reson Integral | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| | (n,n'$\gamma$) REACTION | | | | | | | | | | | | |
| $Ga^{71}$ | Ang Distrib | 6.5 | 5 | 1.8 | 6 | | Iron | Ge(Li) Detect | 140 | PR 179 1090 | Mar69 | KTY | Velkley. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Ga^{71}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ga^{71}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Ga^{71}$ | Sigma | 1.2 | 7 | 1.2 | 7 | | | Activation * | 1 | AK 8 79 | Jun66 | DEB | Csikai,J. |
| $Ga^{71}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,p) | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Ga^{71}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | 2 | YF 5 1175 | Jun67 | KAZ | Vinitskaya. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Ga^{71}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 1 | NP 85 476 | Sep66 | MUA | Rama Prasad,P.+ |
| | (n,n alpha) REACT | | | | | | | | | | | | |
| $Ga^{71}$ | Sigma | 1.5 | 7 | 2.0 | 7 | | Al(n,alpha) | Activation * | 5 | ZP 166 477 | Feb62 | HAM | Bormann,M.+ |
| $Ga^{71}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Ga^{71}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ga^{71}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | $\gamma$-WIDTH | | | | | | | | | | | | |
| $Ga^{71}$ | $\Gamma(\gamma)$ | 2.9 | 2 | 7.1 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | | | |
| $Ga^{71}$ | $\Gamma(n)$ | 9.5 | 1 | 7.7 | 2 | | | AreaAnalysis | 4 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Ga^{71}$ | $\Gamma(n)$ | 2.9 | 2 | 7.1 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Ga^{71}$ | $g\Gamma(n)$ | 2.9 | 2 | 7.1 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Ga^{71}$ | $2g\Gamma(n)$ | 2.9 | 2 | 7.1 | 2 | | | TimeOfFlight | 3 | PL 10 86 | 64 | SAC | Julien,J.+ |
| $Ga^{71}$ | $\Gamma(n,l=0)$ | 9.5 | 1 | 7.7 | 2 | | | AreaAnalysis | 4 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Ga^{71}$ | $\Gamma(n,l=0)$ | 2.9 | 2 | 7.1 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Ga^{71}$ | $g\Gamma(n,l=0)$ | 2.9 | 2 | 7.1 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Ga^{71}$ | $\Gamma$ | 9.5 | 1 | 7.7 | 2 | | | AreaAnalysis | 4 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Ga^{71}$ | $\Gamma$ | 2.9 | 2 | 7.1 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Ga^{71}$ | $\Gamma^2\sigma(0)$ | 9.5 | 1 | 7.7 | 2 | | | TimeOfFlight | 4 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Ga^{71}$ | Resonance Energy | 2.9 | 2 | 7.1 | 2 | | | Shape Analys* | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Ga^{71}$ | $\sigma(0)$ | 9.5 | 1 | 7.7 | 2 | | | TimeOfFlight | 4 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Ga^{71}$ | Spin of Reson | 2.9 | 2 | 7.1 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Ga^{71}$ | Strength Fn(l=0) | 7.5 | 3 | 7.5 | 3 | | | TimeOfFlight | 1 | PR 111 288 | Jul58 | ANL | Cote. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ge | Sigma | 3.0 4 | 3.0 4 | | Indium | Scint Tank | 1 | PR 129 2695 | Mar63 | ORL | Macklin. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Ge | Sigma | 3.7 6 | 3.7 6 | | | Diff Sig Int | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Ge | Sigma | 3.0 5 | 1.5 6 | S | Carbon | TimeOfFlight | 144 | SMITH 67K | Nov67 | ANL | Smith. |
| Ge | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 144 | SMITH 68C | Mar68 | ANL | Smith. |
| Ge | Sigma | 7.5 6 | 7.5 6 | | | Diff Sig Int | 1 | NSE 36 275 | May69 | LAS | Hopkins. |
| Ge | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 21 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Ge | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Ge | Ang Distrib | 7.5 6 | 7.5 6 | | | TimeOfFlight | 11 | NSE 36 275 | May69 | LAS | Hopkins. |
| Ge | Legendre Fit | 3.0 5 | 1.5 6 | S | Carbon | TimeOfFlight | 580 | SMITH 67K | Nov67 | ANL | Smith. |
| Ge | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 580 | SMITH 68G | Jul68 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | |
| Ge | Sigma | 9.0 5 | 1.5 6 | S | Carbon | TimeOfFlight | 50 | SMITH 67K | Nov67 | ANL | Smith. |
| Ge | Sigma | 9.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 50 | SMITH 68C | Mar68 | ANL | Smith. |
| Ge | Sigma | 7.5 6 | 7.5 6 | | | | 1 | NSE 36 275 | May69 | LAS | Hopkins. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Ge | Sigma | 6.0 5 | 2.4 6 | | | Ge(Li)Detect | 63 | 66PARIS/I- 365 | Oct66 | ALD | Barry,J.P. |
| Ge | Sigma | 6.0 5 | 2.4 6 | | Arb Units | Ge(Li)Detect | 20 | 66PARIS/I- 365 | Oct66 | ALD | Barry,J.P. |
| Ge | Sigma | 1.3 6 | 1.5 6 | | Carbon | TimeOfFlight | 22 | SMITH 68G | Jul68 | ANL | Smith. |
| Ge | Ang Distrib | 3.1 6 | 4.7 6 | | | Ring Geomtry | 38 | JPJ 16 355 | Mar61 | JAE | Nishimura. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ge | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ge | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ge | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ge | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ge | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ge | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ge | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ge | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ge | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Ge | Sigma | 3.7 6 | 3.7 6 | | | Total | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ge | Sigma | 1.4 -2 | 8.3 -1 | | Absolute | TimeOfFlight | 25 | PR 71 174 | Feb47 | COL | Wu. |
| Ge | Sigma | 9.2 0 | 1.4 4 | | Absolute | TimeOfFlight | 156 | PALMER 53 | 53 | ANL | Palmer. |
| Ge | Sigma | 4.4 5 | 3.4 6 | | Absolute | Accelerator | 32 | ORNL-1365 1 | Jan53 | ORL | Johnson. |
| Ge | Sigma | 6.0 4 | 6.3 5 | | Absolute | Accelerator | 13 | PR 104 1025 | Nov56 | WIS | Zucker. |
| Ge | Sigma | 3.8 6 | 8.1 6 | | Absolute | Accelerator | 41 | PR 105 193 | Jan57 | NRL | Bondelid. |
| Ge | Sigma | 7.2 6 | 1.3 7 | S | Absolute | Biased Scint | 3 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Ge | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Ge | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Ge | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Ge | Sigma | 1.0 5 | 6.5 5 | | Absolute | | 540 | WHALEN 66 | 66 | ANL | Whalen.+ |
| Ge | Sigma | 1.3 5 | 4.7 5 | | Absolute | | 12 | WHALEN 67 | 67 | ANL | Whalen.+ |
| Ge | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 242 | POSTER 67B | May67 | BNW | Poster. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ge^{69}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ge^{70}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Ge^{70}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Proportion C | 1 | 55CLEVE-203 | Dec55 | ORL | Brooksbank. |
| $Ge^{70}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Activation | 1 | ADP 12 225 | 63 | ROS | Alexander. |
| | γ,EMISSION | | | | | | | | | | |
| $Ge^{70}$ | Sigma | 1.8 6 | 2.5 6 | | Iron | Ge(Li)Detect | 7 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| | INEL SCATTERING | | | | | | | | | | |
| $Ge^{70}$ | Sigma | 1.8 6 | 2.5 6 | | Iron | Ge(Li)Detect | 5 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Ge^{70}$ | Sigma | 1.1 6 | 1.5 6 | | Carbon | TimeOfFlight | 42 | SMITH 68C | Mar68 | ANL | Smith. |
| $Ge^{70}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ge^{70}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ge^{70}$ | Ang Distrib | 1.8 6 | 2.5 6 | | Iron | Ge(Li)Detect | 77 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ge^{70}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ge^{70}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | BAP 4 288 | Apr59 | ANL | Rayburn. |
| $Ge^{70}$ | Sigma | 1.3 7 | 2.0 7 | | $U^{238}(n,f)$ | Activation | 12 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Ge^{70}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Ge^{70}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Ge^{70}$ | Sigma | 1.4 7 | 1.4 7 | S | | Activation | 1 | BAP 11 808 | Dec66 | GIT | Wood. |
| $Ge^{70}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | PR 154 1108 | Feb67 | GIT | Wood. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ge^{70}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ge^{70}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $Ge^{70}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | YF 5 1175 | Jun67 | KAZ | Vinitskaya. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ge^{70}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH | | | | | | | | | | | | | | |
| $Ge^{70}$ | Γ(γ) | 1.1 | 3 | 4.4 | 3 | | | AreaAnalysis | 3 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| | n-WIDTH | | | | | | | | | | | | | | |
| $Ge^{70}$ | Γ(n) | 4.3 | 3 | 3.8 | 4 | | | AreaAnalysis | 18 | BAP | 5 | 449 | Nov60 | ORL | Good,W.M.+ |
| $Ge^{70}$ | Γ(n) | 1.1 | 3 | 2.9 | 4 | | | AreaAnalysis | 19 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| $Ge^{70}$ | Γ(n,l=0) | 4.3 | 3 | 3.8 | 4 | | | AreaAnalysis | 18 | BAP | 5 | 449 | Nov60 | ORL | Good,W.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| $Ge^{70}$ | Resonance Energy | 1.1 | 2 | 1.5 | 3 | | | CaptureGamma | 3 | NP | 3 | 553 | 57 | HAR | Bowey,E.M. |
| $Ge^{70}$ | Resonance Energy | 3.3 | 3 | 1.3 | 4 | | | | 7 | BAP | 4 | 42 | Jan59 | ORL | Miller. |
| $Ge^{70}$ | Resonance Energy | 4.3 | 3 | 2.8 | 4 | | | TimeOfFlight | 13 | BAP | 5 | 449 | Nov60 | ORL | Good,W.M.+ |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| $Ge^{70}$ | Strength Fn(l=0) | 1.4 | 4 | 1.4 | 4 | | | | 1 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| $Ge^{70}$ | Level Spacing | 1.4 | 4 | 1.4 | 4 | | | Holograph | 1 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| | (n,alpha) REACTION | | | | | | | | | | | | | | |
| $Ge^{71}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP | 31 | 267 | 53 | CR | Paul. |
| | γ,EMISSION | | | | | | | | | | | | | | |
| $Ge^{72}$ | Sigma | 1.8 | 6 | 2.5 | 6 | | Iron | Ge(Li)Detect | 9 | MCELLISTRM | | 70C | Mar70 | KTY | Chung. |
| $Ge^{72}$ | Sigma | 1.8 | 6 | 2.5 | 6 | | Iron | 4Pi*σ(90°) | 3 | MCELLISTRM | | 70C | Mar70 | KTY | Chung. |
| | INEL SCATTERING | | | | | | | | | | | | | | |
| $Ge^{72}$ | Sigma | 1.8 | 6 | 2.5 | 6 | | Iron | Ge(Li)Detect | 9 | MCELLISTRM | | 70C | Mar70 | KTY | Chung. |
| | (n,n'γ) REACTION | | | | | | | | | | | | | | |
| $Ge^{72}$ | Sigma | 7.1 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 141 | SMITH | | 68C | Mar68 | ANL | Smith. |
| $Ge^{72}$ | Sigma | 7.8 | 5 | 7.8 | 5 | | Carbon | TimeOfFlight | 1 | SMITH | | 69G | Jul69 | ANL | Smith. |
| $Ge^{72}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li)Detect* | 1 | ZN A | 26 | 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ge^{72}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A | 26 | 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ge^{72}$ | Ang Distrib | 1.8 | 6 | 2.5 | 6 | | Iron | Ge(Li)Detect | 99 | MCELLISTRM | | 70C | Mar70 | KTY | Chung. |
| | (n,p) REACTION | | | | | | | | | | | | | | |
| $Ge^{72}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP | 31 | 267 | 53 | CR | Paul. |
| $Ge^{72}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | RCA | 5 | 188 | Jul66 | GHT | De Neve,R.+ |
| $Ge^{72}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | AnothA SameZ | CrystalScint | 1 | ORO/3346- | | 3 | Sep66 | GIT | Wood. |
| $Ge^{72}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | AnothA SameZ | Activation | 1 | PR | 154 | 1108 | Feb67 | GIT | Wood. |
| $Ge^{72}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | YP | 5 | 1175 | Jun67 | KAZ | Vinitskaya. |
| | (n,alpha) REACTION | | | | | | | | | | | | | | |
| $Ge^{72}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | Activation | 1 | JIN | 27 | 2471 | Dec65 | ZAG | Kolar,Z.+ |
| $Ge^{72}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | RCA | 5 | 188 | Jul66 | GHT | De Neve,R.+ |
| $Ge^{72}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | AnothA SameZ | CrystalScint | 2 | ORO/3346- | | 3 | Sep66 | GIT | Wood. |
| $Ge^{72}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | AnothA SameZ | Activation | 2 | PR | 154 | 1108 | Feb67 | GIT | Wood. |
| $Ge^{72}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | YP | 5 | 1175 | Jun67 | KAZ | Vinitskaya. |
| $Ge^{72}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | YP | 5 | 1175 | Jun67 | KAZ | Vinitskaya. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| $Ge^{72}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR | 88 | 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | | | | | |
| $Ge^{72}$ | Γ(γ) | 2.6 | 3 | 3.6 | 3 | | | AreaAnalysis | 3 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| | n-WIDTH | | | | | | | | | | | | | | |
| $Ge^{72}$ | Γ(n) | 4.5 | 3 | 3.9 | 4 | | | AreaAnalysis | 10 | BAP | 5 | 449 | Nov60 | ORL | Good,W.M.+ |
| $Ge^{72}$ | Γ(n) | 2.5 | 2 | 2.0 | 4 | | | AreaAnalysis | 14 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| $Ge^{72}$ | Γ(n,l=0) | 4.5 | 3 | 3.9 | 4 | | | AreaAnalysis | 10 | BAP | 5 | 449 | Nov60 | ORL | Good,W.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| $Ge^{72}$ | Resonance Energy | 4.9 | 3 | 1.2 | 4 | | | | 3 | BAP | 4 | 42 | Jan59 | ORL | Miller. |
| $Ge^{72}$ | Resonance Energy | 4.5 | 3 | 1.9 | 4 | | | TimeOfFlight | 5 | BAP | 5 | 449 | Nov60 | ORL | Good,W.M.+ |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| $Ge^{72}$ | Strength Fn(l=0) | 1.5 | 4 | 1.5 | 4 | | | | 1 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| $Ge^{72}$ | Level Spacing | 1.5 | 4 | 1.5 | 4 | | | Holograph | 1 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| $Ge^{73}$ | Spectrum | 5.7 | -2 | 5.7 | -2 | | Arb Units | Coincidences | 148 | ZP | 192 | 423 | Apr66 | KPK | Weitkamp,C.+ |
| | (n,p) REACTION | | | | | | | | | | | | | | |
| $Ge^{73}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP | 31 | 267 | 53 | CR | Paul. |
| $Ge^{73}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | AnothA SameZ | CrystalScint | 1 | ORO/3346- | | 3 | Sep66 | GIT | Wood. |
| $Ge^{73}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | AnothA SameZ | Activation | 1 | PR | 154 | 1108 | Feb67 | GIT | Wood. |
| $Ge^{73}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | 1 | YP | 5 | 1175 | Jun67 | KAZ | Vinitskaya. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| $Ge^{73}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR | 88 | 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | | | | | |
| $Ge^{73}$ | Γ(γ) | 1.0 | 2 | 2.0 | 3 | | | AreaAnalysis | 12 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| | n-WIDTH | | | | | | | | | | | | | | |
| $Ge^{73}$ | Γ(n) | 1.0 | 2 | 8.5 | 3 | | | AreaAnalysis | 47 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| $Ge^{73}$ | Resonance Energy | 2.0 | 2 | 4.7 | 2 | | | CaptureGamma | 5 | NP | 3 | 553 | 57 | HAR | Bowey,E.M. |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| $Ge^{73}$ | Strength Fn(l=0) | 4.3 | 3 | 4.3 | 3 | | | | 1 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| $Ge^{73}$ | Level Spacing | 4.3 | 3 | 4.3 | 3 | | | Holograph | 1 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | |
| $Ge^{74}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Ge^{74}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ion Chamber | | 1 | 55CLEVE-203 | Dec55 | ORL | Brooksbank. |
| $Ge^{74}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ge^{74}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 2 | PR 108 766 | Nov57 | BNL | Der Mateosian. |
| $Ge^{74}$ | Sigma | 2.5 6 | 4.0 6 | | $I^{127}$ | Activation | | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Ge^{74}$ | Sigma | 2.5 6 | 4.0 6 | N | $I^{127}$ | Activation | | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Ge^{74}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Ge^{74}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | ZP 167 549 | 62 | GER | Weigmann. |
| $Ge^{74}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Ge^{74}$ | Sigma | 3.0 6 | 3.0 6 | | $P^{31}(n,p)$ | Activation | * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Ge^{74}$ | Sigma | 2.0 5 | 3.1 6 | | $U^{235}(n,f)$ | Activation | | 23 | AE 23 566 | Dec67 | OBN | Tolstikov. |
| $Ge^{74}$ | Sigma | 3.0 6 | 3.0 6 | | Metast/Total | Activation | * | 1 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| $Ge^{74}$ | Sigma | 3.0 6 | 3.0 6 | | $P^{31}(n,p)$ | Activation | * | 2 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| | γ,EMISSION | | | | | | | | | | | |
| $Ge^{74}$ | Sigma | 1.8 6 | 2.5 6 | | Iron | Ge(Li)Detect | | 18 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| $Ge^{74}$ | Sigma | 1.8 6 | 2.5 6 | | Iron | $4Pi*\sigma(90°)$ | | 3 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| | INEL SCATTERING | | | | | | | | | | | |
| $Ge^{74}$ | Sigma | 1.8 6 | 2.5 6 | | Iron | Ge(Li)Detect | | 16 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Ge^{74}$ | Sigma | 5.9 5 | 1.5 6 | | Carbon | TimeOfFlight | | 89 | SMITH 68C | Mar68 | ANL | Smith. |
| $Ge^{74}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect* | | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ge^{74}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect* | | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ge^{74}$ | Ang Distrib | 1.8 6 | 2.5 6 | | Iron | Ge(Li)Detect | | 198 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Ge^{74}$ | Sigma | 1.4 7 | 1.4 7 | S | AnothA SameZ | CrystalScint | | 1 | ORO/3346- 3 | Sep66 | GIT | Wood. |
| $Ge^{74}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | Activation | | 1 | PR 154 1108 | Feb67 | GIT | Wood. |
| $Ge^{74}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | | 1 | YF 5 1175 | Jun67 | KAZ | Vinitskaya. |
| | (n,np) REACTION | | | | | | | | | | | |
| $Ge^{74}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | BAP 13 1663 | Dec68 | USA | Weber. |
| | (n,$He^3$) REACTION | | | | | | | | | | | |
| $Ge^{74}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | BAP 13 1663 | Dec68 | USA | Weber. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Ge^{74}$ | Sigma | 1.4 7 | 1.4 7 | S | AnothA SameZ | CrystalScint | | 2 | ORO/3346- 3 | Sep66 | GIT | Wood. |
| $Ge^{74}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | Activation | | 2 | PR 154 1108 | Feb67 | GIT | Wood. |
| $Ge^{74}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | | 2 | YF 5 1175 | Jun67 | KAZ | Vinitskaya. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Ge^{74}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | | |
| $Ge^{74}$ | Γ(γ) | 2.8 3 | 3.0 3 | | | AreaAnalysis | | 2 | AE 24 173 | Feb68 | DUB | Maletskii. |
| | n-WIDTH | | | | | | | | | | | |
| $Ge^{74}$ | Γ(n) | 5.0 3 | 2.2 4 | | | AreaAnalysis | | 3 | BAP 5 449 | Nov60 | ORL | Good,W.M.+ |
| $Ge^{74}$ | Γ(n) | 2.8 3 | 6.1 4 | | | AreaAnalysis | | 10 | AE 24 173 | Feb68 | DUB | Maletskii. |
| $Ge^{74}$ | Γ(n,l=0) | 5.0 3 | 2.2 4 | | | AreaAnalysis | | 3 | BAP 5 449 | Nov60 | ORL | Good,W.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Ge^{74}$ | Resonance Energy | 3.5 2 | 3.5 2 | | | CaptureGamma | | 1 | NP 3 553 | 57 | HAR | Bowey,E.M. |
| $Ge^{74}$ | Resonance Energy | 4.9 3 | 2.0 4 | | | | | 2 | BAP 4 42 | Jan59 | ORL | Miller. |
| $Ge^{74}$ | Resonance Energy | 4.9 3 | 1.9 4 | | | TimeOfFlight | | 2 | BAP 5 449 | Nov60 | ORL | Good,W.M.+ |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Ge^{74}$ | Strength Fn(l=0) | 3.1 4 | 3.1 4 | | | | | 1 | AE 24 173 | Feb68 | DUB | Maletskii. |
| $Ge^{74}$ | Level Spacing | 3.1 4 | 3.1 4 | | | Holograph | | 1 | AE 24 173 | Feb68 | DUB | Maletskii. |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Ge^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | | 2 | JCP 15 703 | 47 | ANL | Arnold. |
| $Ge^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Ge^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ion Chamber | | 3 | 55CLEVE-203 | Dec55 | ORL | Brooksbank. |
| $Ge^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 2 | PR 108 766 | Nov57 | BNL | Der Mateosian. |
| $Ge^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | ZP 167 549 | 62 | GER | Weigmann. |
| $Ge^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | | 1 | AEET- 267 6 | Aug66 | TRM | Iyer,R.S.+ |
| $Ge^{76}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * | 2 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Ge^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | | 1 | JIN 29 281 | 67 | TRM | Iyer. |
| $Ge^{76}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * | 2 | NP A117 545 A | Sep68 | MUA | Chaubey,A.K.+ |
| | γ,EMISSION | | | | | | | | | | | |
| $Ge^{76}$ | Sigma | 1.8 6 | 2.5 6 | | Iron | Ge(Li)Detect | | 9 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| | INEL SCATTERING | | | | | | | | | | | |
| $Ge^{76}$ | Sigma | 1.8 6 | 2.5 6 | | Iron | Ge(Li)Detect | | 6 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Ge^{76}$ | Sigma | 5.9 5 | 1.5 6 | | Carbon | TimeOfFlight | | 90 | SMITH 68C | Mar68 | ANL | Smith. |
| $Ge^{76}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect* | | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ge^{76}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect* | | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Ge^{76}$ | Ang Distrib | 1.8 6 | 2.5 6 | | Iron | Ge(Li)Detect | | 88 | MCELLISTRM 70C | Mar70 | KTY | Chung. |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Ge^{76}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ge^{76}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Ge^{76}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 1 | NP 49 510 | Dec63 | IND | Mangal,S.K.+ |
| $Ge^{76}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | | 1 | NP 49 510 | Dec63 | MUA | Mangal,S.K.+ |
| $Ge^{76}$ | Sigma | 1.4 7 | 1.4 7 | S | AnothA SameZ | CrystalScint | | 2 | ORO/3346- 3 | Sep66 | GIT | Wood. |
| $Ge^{76}$ | Sigma | 1.3 7 | 1.7 7 | | H(n,n) | Activation | | 15 | EANDC/E- 76 51 | Jan67 | HAM | Bormann,M.+ |
| $Ge^{76}$ | Sigma | 1.4 7 | 1.4 7 | | | Proportion C | | 1 | PR 154 1108 | Feb67 | GIT | Wood. |
| $Ge^{76}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | Activation | | 1 | PR 154 1108 | Feb67 | GIT | Wood. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | | | | | |
| $Ge^{76}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | Absolute | Activation | 8 | NP | A 93 | 74 | Mar67 | KTO | Okumura,S. |
| $Ge^{76}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | Metast/Total | Activation | 8 | NP | A 93 | 74 | Mar67 | KTO | Okumura,S. |
| $Ge^{76}$ | Sigma | 1.2 | 7 | 1.9 | 7 | | | Activation | 11 | HPA | 43 | 17 | Feb70 | BAS | Steiner,E.+ |
| | (n,n alpha) REACT | | | | | | | | | | | | | | |
| $Ge^{76}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PR | 131 | 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| $Ge^{76}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Pile Oscilat | 1 | PR | 88 | 412 | Oct52 | ORL | Pomerance. |
| | $\gamma$-WIDTH | | | | | | | | | | | | | | |
| $Ge^{76}$ | $\Gamma(\gamma)$ | 5.5 | 2 | 4.8 | 3 | | | AreaAnalysis | 2 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| | n-WIDTH | | | | | | | | | | | | | | |
| $Ge^{76}$ | $\Gamma(n)$ | 5.0 | 3 | 2.9 | 4 | | | AreaAnalysis | 4 | BAP | 5 | 449 | Nov60 | ORL | Good,W.M.+ |
| $Ge^{76}$ | $\Gamma(n)$ | 5.5 | 2 | 4.9 | 4 | | | AreaAnalysis | 8 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| $Ge^{76}$ | $\Gamma(n,l=0)$ | 5.0 | 3 | 2.9 | 4 | | | AreaAnalysis | 4 | BAP | 5 | 449 | Nov60 | ORL | Good,W.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| $Ge^{76}$ | Resonance Energy | 5.2 | 2 | 1.0 | 3 | | | CaptureGamma | 3 | NP | 3 | 553 | 57 | HAR | Bowey,E.M. |
| $Ge^{76}$ | Resonance Energy | 4.9 | 3 | 2.9 | 4 | | | | * 4 | BAP | 4 | 42 | Jan59 | ORL | Miller. |
| $Ge^{76}$ | Resonance Energy | 4.9 | 3 | 2.9 | 4 | | | TimeOfFlight | 4 | BAP | 5 | 449 | Nov60 | ORL | Good,W.M.+ |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| $Ge^{76}$ | Strength Fn(l=0) | 2.4 | 4 | 2.4 | 4 | | | | 1 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| $Ge^{76}$ | Level Spacing | 2.4 | 4 | 2.4 | 4 | | | Holograph | 1 | AE | 24 | 173 | Feb68 | DUB | Maletskii. |
| | LEVEL DENS PARAM | | | | | | | | | | | | | | |
| $Ge^{77}$ | Spin cut-off Par | 2.4 | 4 | 2.4 | 4 | | | * | 1 | NP | A117 | 545 | Sep68 | MUA | Chaubey,A.K.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | |
| As75 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| As75 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| As75 | Sigma | 2.4 4 | 2.4 4 | | I127 | Activation | | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| As75 | Sigma | 2.0 4 | 2.0 4 | | | Activation | | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| As75 | Sigma | 2.0 4 | 2.0 4 | N | | Activation | | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| As75 | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| As75 | Sigma | 1.5 5 | 5.5 6 | | U235(n,f) | Activation | | 18 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| As75 | Sigma | 1.5 5 | 5.5 6 | N | U235(n,f) | Activation | | 18 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| As75 | Sigma | 3.0 3 | 4.0 5 | | | Activation | | 16 | AP 10 477 | 60 | DKE | Weston. |
| As75 | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Activation | | 1 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| As75 | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation | * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| As75 | Sigma | 2.9 6 | 2.9 6 | | Indium | Activation | * | 1 | OSA 105 236 | Jun68 | IRK | Colditz,J.+ |
| As75 | Sigma | 2.4 4 | 2.4 4 | | I127 | Activation | * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| As75 | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation | * | 1 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| As75 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| As75 | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| | ELASTIC SCATTERING | | | | | | | | | | | |
| As75 | Sigma | 5.6 4 | 1.0 5 | | Carbon | 4Pi*σ(90°) | | 14 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| As75 | Sigma | 8.0 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | | 1 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| As75 | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| As75 | Ang Distrib | 3.2 6 | 3.2 6 | | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| As75 | Ang Distrib | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | | 20 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| As75 | Legendre Fit | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | | 10 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| | INEL SCATTERING | | | | | | | | | | | |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Cu63(n,2n) | Activation | | 1 | ZET 36 1046 | Apr59 | CCP | Glagolev. |
| | ELASTIC+INELASTIC | | | | | | | | | | | |
| As75 | Sigma | 5.6 4 | 1.0 5 | | Carbon | 4Pi*σ(90°) | | 14 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| | MISC SCATT QUANT | | | | | | | | | | | |
| As75 | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| As75 | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| As75 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Scattering | | 1 | PR 83 379 | Jul51 | BNL | Weiss. |
| As75 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| As75 | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| As75 | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| As75 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | | 1 | PR 131 2098 | Sep63 | LAS | Arnold. |
| | (n,2n) REACTION | | | | | | | | | | | |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| As75 | Sigma | 1.2 7 | 2.0 7 | | U238(n,f) | Activation | | 10 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | | Activation | | 1 | EANDC/E- 49 83 | Oct63 | FR | Granger,B.+ |
| As75 | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation | | 10 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| As75 | Sigma | 1.4 7 | 1.5 7 | | Al(n,alpha) | Activation | * | 2 | APA 23 44 | May66 | IRK | Hille,P.+ |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Cu63(n,2n) | Activation | * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| As75 | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation | * | 10 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| As75 | Sigma | 1.0 6 | 1.0 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | * | 1 | NP A138 85 | Nov69 | AUW | Rama Prasad,P.+ |
| As75 | Sigma | 1.0 6 | 1.0 6 | | Ni58(n,p) | Activation | * | 1 | RCA 13 169 | Jun70 | KJL | Steinnes,E. |
| | (n,p) REACTION | | | | | | | | | | | |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | CR 247 1849 | Nov58 | FR | Avignon,P.+ |
| As75 | Sigma | 7.0 6 | 1.5 7 | | U238(n,f) | Activation | | 7 | JIN 23 173 | 61 | LAS | Prestwood. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | | 2 | JPJ 16 2371 | Dec61 | HYO | Fukuzawa,P.+ |
| As75 | Sigma | 1.4 7 | 1.4 7 | | | Activation | | 1 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| As75 | Sigma | 1.4 7 | 1.4 7 | | Ratio | Activation | | 1 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| As75 | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation | * | 10 | 66PARIS/I- 225 | Oct66 | HAM | Bormann,M.+ |
| As75 | Sigma | 1.3 7 | 1.7 7 | | H(n,n) | Activation | | 15 | EANDC/E- 76 51 | Jan67 | HAM | Bormann,M.+ |
| As75 | Sigma | 1.3 7 | 1.5 7 | | Absolute | Activation | | 10 | NP A 93 74 | Mar67 | KTO | Okumura,S. |
| As75 | Sigma | 1.3 7 | 1.5 7 | | Metast/Total | Activation | | 10 | NP A 93 74 | Mar67 | KTO | Okumura,S. |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | Al(n,p) | Activation | * | 1 | NP A138 85 | Nov69 | AUW | Rama Prasad,P.+ |
| As75 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | * | 2 | NP A138 85 | Nov69 | AUW | Rama Prasad,P.+ |
| As75 | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate | * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,2p) REACTION | | | | | | | | | | | |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | p-EMISSION | | | | | | | | | | | |
| As75 | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 1 | CR 247 1849 | Nov58 | FR | Avignon,P.+ |
| | (n,He3) REACTION | | | | | | | | | | | |
| As75 | Sigma | 1.5 7 | 1.5 7 | S | Another Reac | Activation | | 1 | PR 117 1568 | Mar60 | ARK | Kumabe. |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Accelerator | * | 1 | APA 20 304 | Aug65 | IRK | Frevert,E. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| As75 | Sigma | 7.0 6 | 2.0 7 | | U238(n,f) | Activation | | 11 | JIN 23 173 | 61 | LAS | Prestwood. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | | 1 | NP 29 522 | Jan62 | SAH | Kaul,O.N. |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | Activation | | 1 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| As75 | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation | * | 10 | 66PARIS/I- 225 | Oct66 | HAM | Bormann,M.+ |
| As75 | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | * | 1 | NP A138 85 | Nov69 | AUW | Rama Prasad,P.+ |
| As75 | Sigma | 1.5 7 | 1.5 7 | | | Activation | * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| As75 | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | | 18 | NP 29 522 | Jan62 | SAH | Kaul,O.N. |
| | alpha-EMISSION | | | | | | | | | | | |
| As75 | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | | 1 | NP 39 325 | 62 | SAH | Kaul,O.N. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT | | | | | | | | | | |
| As75 | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,F.C.W.+ |
| As75 | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 2 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| As75 | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| As75 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| As75 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| As75 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| As75 | Sigma | 5.8 4 | 2.9 6 | | Absolute | Accelerator | 53 | PR 104 1025 | Nov56 | WIS | Zucker. |
| As75 | Sigma | 1.6 1 | 1.0 4 | | Absolute | TimeOfFlight | 268 | PR 111 288 | Jul58 | ANL | Cote. |
| As75 | Sigma | 1.0 -2 | 1.1 -1 | | Absolute | TimeOfFlight | 70 | SCP 1 77 | 60 | BUC | Dragomirescu,D.+ |
| As75 | Sigma | 2.0 -3 | 4.0 1 | | Absolute | TimeOfFlight | 172 | WALTON 61I | Sep61 | GA | Walton. |
| As75 | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| As75 | Sigma | 2.7 -3 | 8.0 -3 | | Absolute | | 20 | AE 12 514 | Jun62 | RUM | Stavisskii. |
| As75 | Sigma | 1.4 7 | 1.4 7 | | | PlasticScint | 1 | CHP 1 1 | Apr63 | CHP | Hsu,Y.C.+ |
| As75 | Sigma | 5.5 -2 | 4.9 -1 | | Absolute | TimeOfFlight | 59 | RRP 9 121 | 64 | RUM | Apostolescu. |
| As75 | Sigma | 2.1 2 | 1.0 4 | | Absolute | TimeOfFlight | 5252 | PR 136B 177 | Oct64 | COL | Garg. |
| As75 | Sigma | -2.5 -1 | 1.0 4 | P | Absolute | TimeOfFlight | 19823 | PR 136B 177 | Oct64 | COL | Garg. |
| As75 | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 247 | POSTER 67E | May67 | BNW | Poster. |
| As75 | Sigma | 3.3 6 | 5.2 6 | | Absolute | Transmission | 49 | ARS 63 161 | Jun67 | JNE | Manero,F. |
| | γ-WIDTH | | | | | | | | | | |
| As75 | Γ(γ) | 4.7 1 | 9.7 1 | | | | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| As75 | Γ(γ) | 4.7 1 | 9.7 1 | | | TimeOfFlight | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| As75 | Γ(γ) | 4.7 1 | 7.5 2 | | | TimeOfFlight | 8 | PR 111 288 | Jul58 | ANL | Cote. |
| As75 | Γ(γ) | 3.2 2 | 1.9 3 | | | TimeOfFlight | 10 | PR 136B 177 | Oct64 | COL | Garg. |
| As75 | Γ(γ) | 3.2 2 | 4.0 3 | | | Shape Analys | 27 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | |
| As75 | Γ(n) | 4.7 1 | 9.7 1 | | | TimeOfFlight | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| As75 | Γ(n) | 4.7 1 | 7.5 2 | | | TimeOfFlight | 8 | PR 111 288 | Jul58 | ANL | Cote. |
| As75 | Γ(n) | 3.2 2 | 1.9 3 | | | TimeOfFlight | 7 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| As75 | Γ(n) | 3.2 2 | 1.9 3 | | | TimeOfFlight | 12 | PR 136B 177 | Oct64 | COL | Garg. |
| As75 | Γ(n) | 3.2 2 | 4.0 3 | | | Shape Analys | 27 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| As75 | gΓ(n) | 3.2 2 | 4.0 3 | | | Shape Analys | 27 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| As75 | 2gΓ(n) | 4.7 1 | 9.7 1 | | | | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| As75 | 2gΓ(n) | 3.2 2 | 2.0 3 | | | TimeOfFlight | 15 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| As75 | Γ(n,l=0) | 4.7 1 | 9.7 1 | | | TimeOfFlight | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| As75 | Γ(n,l=0) | 3.2 1 | 1.9 3 | | | TimeOfFlight | 9 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| As75 | Γ(n,l=0) | 3.2 2 | 4.0 3 | | | Shape Analys | 27 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| As75 | gΓ(n,l=0) | 4.7 1 | 4.0 3 | | | Shape Analys | 40 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| As75 | 2gΓ(n,l=0) | 4.7 1 | 9.7 1 | | | | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| As75 | 2gΓ(n,l=0) | 3.2 2 | 2.0 3 | | | TimeOfFlight | 14 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| As75 | 2gΓ(n,l=0) | 4.7 1 | 6.4 4 | | | TimeOfFlight | 136 | PR 136B 177 | Oct64 | COL | Garg. |
| | TOTAL WIDTH | | | | | | | | | | |
| As75 | Γ | 4.7 1 | 9.7 1 | | | | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| As75 | Γ | 4.7 1 | 9.7 1 | | | TimeOfFlight | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| As75 | Γ | 4.7 1 | 7.5 2 | | | TimeOfFlight | 8 | PR 111 288 | Jul58 | ANL | Cote. |
| As75 | Γ | 3.2 2 | 4.0 3 | | | TimeOfFlight | 27 | PL 10 86 | 64 | SAC | Julien,J.+ |
| As75 | Γ | 3.2 2 | 1.9 3 | | | TimeOfFlight | 12 | PR 136B 177 | Oct64 | COL | Garg. |
| As75 | Γ | 3.2 2 | 4.0 3 | | | Shape Analys | 27 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | |
| As75 | Resonance Energy | 4.7 1 | 4.0 3 | | | Shape Analys* | 56 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| As75 | σ(0) | 4.7 1 | 7.5 2 | | | TimeOfFlight | 8 | PR 111 288 | Jul58 | ANL | Cote. |
| As75 | Spin of Reson | 3.2 2 | 1.9 3 | | | TimeOfFlight | 8 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| As75 | Spin of Reson | 3.2 2 | 4.0 3 | | | TimeOfFlight | 23 | PR 136B 177 | Oct64 | COL | Garg. |
| As75 | Spin of Reson | 3.2 2 | 4.0 3 | | | Shape Analys | 27 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| As75 | Strength Fn(l=0) | 4.0 3 | 4.0 3 | | | AreaAnalysis | 2 | PL 10 86 | 64 | SAC | Julien,J.+ |
| As75 | Strength Fn(l=0) | 5.0 3 | 5.0 3 | | | TimeOfFlight | 3 | PR 136B 177 | Oct64 | COL | Garg. |
| As75 | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| As75 | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| As75 | Strength Fn(l=0) | 4.0 3 | 4.0 3 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| As75 | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| As75 | Level Spacing | 5.0 3 | 5.0 3 | | | TimeOfFlight | 1 | PR 136B 177 | Oct64 | COL | Garg. |
| As75 | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| As75 | Level Spacing | 2.4 4 | 2.4 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Se | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| Se | Sigma | 2.5 4 | 8.3 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Se | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Se | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Se | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Se | Sigma | 4.0 4 | 1.0 5 | | Carbon | 4Pi*σ(90°) | 28 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Se | Sigma | 3.7 6 | 3.7 6 | | | Diff Sig Int | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Se | Sigma | 8.0 5 | 8.0 5 | | | Total | 1 | AE 16 260 | Mar64 | CCP | Korzh,I.A.+ |
| Se | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Se | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Se | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 12 | NP 2 124 | Oct56 | GRN | Nauta,H. |
| Se | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 8 | NAUTA 57P | Jun57 | GRN | Nauta. |
| Se | Ang Distrib | 2.9 6 | 2.9 6 | | | Ring Geomtry | 11 | UPZ 5 704 | 60 | UKR | Strizhak,V.I.+ |
| Se | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 21 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Se | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Se | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Se | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| | INEL SCATTERING | | | | | | | | | | |
| Se | Sigma | 8.0 5 | 1.0 6 | | | | 4 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Se | Sigma | 8.0 5 | 8.0 5 | | | Total | 1 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Se | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 40 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Se | Ang Distrib | 3.1 6 | 4.7 6 | | | Ring Geomtry | 31 | JPJ 16 355 | Mar61 | JAE | Nishimura. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Se | Sigma | 6.0 4 | 1.8 6 | | Carbon | Diff Sig Int | 22 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Se | Ang Distrib | 6.0 4 | 1.8 6 | | Carbon | ModeratrTank | 110 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Se | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Se | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Se | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Se | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Se | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,alpha) REACTION | | | | | | | | | | |
| Se | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | CrystalScint | 2 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Se | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,F.C.W.+ |
| Se | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Se | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Se | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Se | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Se | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| Se | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Se | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Se | Sigma | 1.4 7 | 1.4 7 | S | Absolute | Activation | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Se | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| Se | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Se | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Se | Sigma | 3.7 6 | 3.7 6 | | | Total | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Se | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 15 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Se | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Se | Sigma | 3.3 5 | 3.3 6 | | Absolute | Accelerator | 41 | ORNL-1365 1 | Jan53 | ORL | Johnson. |
| Se | Sigma | 9.9 4 | 3.0 6 | | Absolute | Accelerator | 18 | PR 89 1271 | Mar53 | WIS | Walt. |
| Se | Sigma | 1.1 -3 | 9.8 0 | | Absolute | TimeOfFlight | 87 | AERE/R-1147 | Apr53 | HAR | Egelstaff. |
| Se | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 29 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Se | Sigma | 2.5 1 | 1.7 4 | | Absolute | TimeOfFlight | 264 | PR 100 1248 | Nov55 | ANL | Leblanc. |
| Se | Sigma | 8.0 2 | 8.0 4 | | Absolute | Accelerator | 100 | PR 102 1580 | Jun56 | DKE | Newson. |
| Se | Sigma | 6.0 4 | 6.3 5 | | Absolute | Accelerator | 13 | PR 104 1025 | Nov56 | WIS | Zucker. |
| Se | Sigma | 3.7 3 | 8.9 3 | | Absolute | TimeOfFlight | 36 | PR 109 926 | Feb58 | ORL | Good. |
| Se | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Se | Sigma | 2.7 -3 | 9.5 -3 | | Absolute | | 21 | AE 12 514 | Jun62 | RUM | Stavisskii. |
| Se | Sigma | 1.0 2 | 5.2 3 | | Absolute | TimeOfFlight | 536 | PR 136B 703 | Nov64 | ANL | Cote. |
| Se | Sigma | 2.5 6 | 1.5 7 | | Absolute | TimeOfFlight | 228 | POSTER 67E | May67 | BNW | Poster. |
| | n-WIDTH | | | | | | | | | | |
| Se | Γ(n) | 5.1 0 | 1.7 3 | | | CaptureGamma | 8 | PR 136B 703 | Nov64 | ANL | Cote. |
| | TOTAL WIDTH | | | | | | | | | | |
| Se | $\Gamma^2\sigma(0)$ | 2.7 1 | 3.8 2 | | | TimeOfFlight | 4 | PR 100 126 | Oct55 | ANL | Bollinger,L.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Se | Resonance Energy | 5.8 3 | 8.6 3 | | | Accelerator | 3 | PR 109 926 | Feb58 | ORL | Good. |
| Se | Resonance Energy | 1.8 2 | 4.5 3 | | | TimeOfFlight | 26 | BAP 7 288 | Apr62 | SAC | Amram. |
| Se | Resonance Energy | 3.7 2 | 2.2 3 | | | TimeOfFlight | 7 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| Se | Resonance Energy | 9.1 2 | 7.1 3 | | | CaptureGamma | 6 | PR 136B 703 | Nov64 | ANL | Cote. |
| Se | Resonance Energy | 3.3 0 | 5.2 0 | | | | 3 | ANL-7081 16 | Mar65 | ANL | Bollinger,L.M.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Se | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Se^{74}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Se^{74}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Na^{23}$ | Activation * | 1 | JNE 21 373 | Apr67 | KJL | Debus. |
| $Se^{74}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 29 2853 | Dec67 | CAN | Sims. |
| $Se^{74}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | JIN 29 2853 | Dec67 | CAN | Sims. |
| $Se^{74}$ | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Activation | 1 | CJP 46 2473 | Nov68 | ARG | Ricabarra. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Se^{74}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 2 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Se^{74}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 2 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Se^{74}$ | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation | 17 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| $Se^{74}$ | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation | 7 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| $Se^{74}$ | Sigma | 1.3 7 | 2.0 7 | | Ratio | Activation | 7 | ZN A 21 988 | Jul66 | HAM | Bormann,M.+ |
| $Se^{74}$ | Sigma | 1.4 7 | 1.4 7 | | Another Reac | CrystalScint | 1 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Se^{74}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | CrystalScint | 1 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Se^{74}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 3 | NP A100 186 | Jul67 | TUR | Minetti,B.+ |
| $Se^{74}$ | Sigma | 1.4 7 | 1.8 7 | | Grnd/Metast | Activation * | 9 | NP A132 42 | Jul69 | WWA | Abboud,A.+ |
| $Se^{74}$ | Sigma | 1.4 7 | 1.8 7 | | $Cu^{63}$(n,2n) | Activation * | 9 | NP A132 42 | Jul69 | WWA | Abboud,A.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Se^{74}$ | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation * | 10 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| $Se^{74}$ | Sigma | 1.4 7 | 1.5 7 | | Al(n,alpha) | Activation * | 2 | APA 23 44 | May66 | IRK | Hille,P.+ |
| $Se^{74}$ | Sigma | 1.4 7 | 1.4 7 | | Another Reac | CrystalScint | 1 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Se^{74}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Se^{74}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | |
| $Se^{74}$ | Γ(γ) | 2.7 1 | 2.7 1 | | | AreaAnalysis | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{74}$ | Γ(γ) | 2.7 1 | 2.7 1 | | | TimeOfFlight | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| | n-WIDTH | | | | | | | | | | |
| $Se^{74}$ | Γ(n) | 2.7 1 | 2.7 2 | | | AreaAnalysis | 2 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{74}$ | Γ(n) | 2.7 1 | 2.7 2 | | | TimeOfFlight | 2 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{74}$ | Γ(n) | 2.7 2 | 2.7 2 | | | TimeOfFlight | 1 | PR 136B 703 | Nov64 | ANL | Cote. |
| $Se^{74}$ | Γ(n,l=0) | 2.7 2 | 2.7 2 | | | TimeOfFlight | 1 | PR 136B 703 | Nov64 | ANL | Cote. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Se^{74}$ | Γ | 2.7 1 | 2.7 2 | | | AreaAnalysis | 2 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{74}$ | Γ | 2.7 1 | 2.7 2 | | | TimeOfFlight | 2 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{74}$ | Γ | 2.7 2 | 2.7 2 | | | TimeOfFlight | 1 | PR 136B 703 | Nov64 | ANL | Cote. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Se^{74}$ | Resonance Energy | 2.7 1 | 2.7 2 | | | TimeOfFlight | 2 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Se^{74}$ | σ(0) | 2.7 1 | 2.7 2 | | | AreaAnalysis | 2 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{74}$ | σ(0) | 2.7 1 | 2.7 2 | | | TimeOfFlight | 2 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{74}$ | σ(0) | 2.7 2 | 2.7 2 | | | TimeOfFlight | 1 | PR 136B 703 | Nov64 | ANL | Cote. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Se^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Se^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ZP 167 549 | 62 | GER | Weigmann. |
| $Se^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Activation | 1 | ADP 12 225 | 63 | ROS | Alexander. |
| $Se^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NSE 22 373 | 65 | UCB | Kramer. |
| $Se^{76}$ | Spectrum | 2.5 -2 | 2.5 -2 | | γ's /100neut | γ-Spectromet* | 334 | ZN A 26 458 | Mar71 | MUN | Rabenstein,D.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Se^{76}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Se^{76}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Se^{76}$ | Sigma | 1.4 7 | 1.5 7 | | Al(n,alpha) | Activation * | 2 | APA 23 44 | May66 | IRK | Hille,P.+ |
| $Se^{76}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | CrystalScint | 1 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Se^{76}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NP A100 186 | Jul67 | TUR | Minetti,B.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Se^{76}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | CrystalScint | 1 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Se^{76}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NP A100 186 | Jul67 | TUR | Minetti,B.+ |
| $Se^{76}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | YF 6 11 | Jul67 | CCP | Ivanenko. |
| $Se^{76}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Se^{76}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | |
| $Se^{76}$ | Γ(n) | 8.6 2 | 8.6 2 | | | AreaAnalysis | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{76}$ | Γ(n) | 8.6 2 | 8.6 2 | | | TimeOfFlight | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{76}$ | Γ(n) | 5.0 3 | 2.4 4 | | | AreaAnalysis | 7 | BAP 6 251 | Apr61 | ORL | Muenzer. |
| $Se^{76}$ | Γ(n,l=0) | 5.0 3 | 2.4 4 | | | AreaAnalysis | 7 | BAP 6 251 | Apr61 | ORL | Muenzer. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Se^{76}$ | Γ | 8.6 2 | 8.6 2 | | | AreaAnalysis | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{76}$ | Γ | 8.6 2 | 8.6 2 | | | TimeOfFlight | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Se^{76}$ | Resonance Energy | 2.6 3 | 2.6 3 | | | AreaAnalysis | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{76}$ | Resonance Energy | 4.9 3 | 3.5 4 | | | TimeOfFlight | 8 | BAP 6 251 | Apr61 | ORL | Muenzer. |
| $Se^{76}$ | Resonance Energy | 8.5 2 | 8.5 2 | | | TimeOfFlight | 1 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Se^{76}$ | σ(0) | 8.6 2 | 8.6 2 | | | AreaAnalysis | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{76}$ | σ(0) | 8.6 2 | 8.6 2 | | | TimeOfFlight | 1 | NP 14 120 | Dec59 | ARK | Leblanc,J.M.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Se^{77}$ | Spectrum | 1.1 7 | 1.1 7 | | Ratio | Coincidences | 8 | ZP 178 173 | Feb64 | GER | Zehender,O.+ |
| $Se^{77}$ | Spectrum | 2.5 -2 | 2.5 -2 | | γ's /100neut | γ-Spectromet* | 76 | ZN A 26 458 | Mar71 | MUN | Rabenstein,D.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Se^{77}$ | Sigma | 2.8 6 | 2.8 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| | (n,p) REACTION | | | | | | | | | | |
| $Se^{77}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Se^{77}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| | (n,np)+(n,d) REACT | | | | | | | | | | |
| $Se^{77}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | YF 6 11 | Jul67 | CCP | Ivanenko. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Se^{77}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Se^{77}$ | Sigma | 2.1 2 | 1.3 3 | | | TimeOfFlight | 5 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Se^{77}$ | Γ(γ) | 2.1 2 | 1.3 3 | | | Shape Analys | 4 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | |
| $Se^{77}$ | Γ(n) | 6.9 2 | 2.1 8 | | | AreaAnalysis | 6 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{77}$ | Γ(n) | 2.1 2 | 1.0 3 | | | TimeOfFlight | 7 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{77}$ | Γ(n) | 6.9 2 | 6.9 2 | | | TimeOfFlight | 1 | NP 14 120 | Dec59 | ARK | Leblanc,J.M.+ |
| $Se^{77}$ | Γ(n) | 2.1 2 | 1.3 3 | | | Shape Analys | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Se^{77}$ | gΓ(n) | 1.1 2 | 1.5 3 | | | Shape Analys | 9 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Se^{77}$ | 2gΓ(n) | 1.1 2 | 4.8 2 | | | TimeOfFlight | 2 | BAP 7 288 | Apr62 | SAC | Amram. |
| $Se^{77}$ | 2gΓ(n) | 2.1 2 | 1.5 3 | | | TimeOfFlight | 14 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Se^{77}$ | Γ(n,l=0) | 1.1 2 | 1.5 3 | | | Shape Analys | 9 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Se^{77}$ | Γ | 2.1 2 | 2.1 8 | | | AreaAnalysis | 6 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{77}$ | Γ | 2.1 2 | 6.9 8 | | | TimeOfFlight | 7 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{77}$ | Γ | 2.1 2 | 1.3 3 | | | TimeOfFlight | 5 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Se^{77}$ | Γ | 2.1 2 | 1.3 3 | | | Shape Analys | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Se^{77}$ | Resonance Energy | 2.1 2 | 9.6 2 | | | TimeOfFlight | 6 | PR 100 1248 | Nov55 | ANL | Leblanc. |
| $Se^{77}$ | Resonance Energy | 1.1 2 | 1.5 3 | | | Shape Analys* | 9 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Se^{77}$ | σ(0) | 6.9 2 | 2.1 8 | | | AreaAnalysis | 6 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{77}$ | σ(0) | 2.1 2 | 1.0 3 | | | TimeOfFlight | 7 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{77}$ | σ(0) | 6.9 2 | 1.0 3 | | | TimeOfFlight | 2 | NP 14 120 | Dec59 | ARK | Leblanc,J.M.+ |
| $Se^{77}$ | σ(0) | 2.1 2 | 1.3 3 | | | Shape Analys | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Se^{77}$ | Spin of Reson | 1.1 2 | 1.5 3 | | | Shape Analys | 9 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Se^{77}$ | Strength Fn(l=0) | 2.0 3 | 2.0 3 | | | AreaAnalysis | 2 | INDC-156 P.64 | Oct66 | SAC | Julien,J.+ |
| $Se^{77}$ | Strength Fn(l=0) | 1.5 3 | 1.5 3 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Se^{78}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Se^{78}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ZP 167 549 | 62 | GER | Weigmann. |
| $Se^{78}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NSE 22 373 | 65 | UCB | Kramer. |
| $Se^{78}$ | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Activation | 1 | CJP 46 2473 | Nov68 | ARG | Ricabarra. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Se^{78}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li) Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Se^{78}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li) Detect* | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Se^{78}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NP A100 186 | Jul67 | TUR | Minetti,B.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Se^{78}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | CrystalScint | 1 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Se^{78}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 3 | NP A100 186 | Jul67 | TUR | Minetti,B.+ |
| $Se^{78}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Se^{78}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | CrystalScint | 1 | PR 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Se^{78}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 3 | NP A100 186 | Jul67 | TUR | Minetti,B.+ |
| $Se^{78}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Se^{78}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | |
| $Se^{78}$ | Γ(n) | 3.8 2 | 3.8 2 | | | AreaAnalysis | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{78}$ | Γ(n) | 3.8 2 | 3.8 2 | | | TimeOfFlight | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{78}$ | Γ(n) | 5.7 3 | 4.8 4 | | | AreaAnalysis | 9 | BAP 6 251 | Apr61 | ORL | Muenzer. |
| $Se^{78}$ | Γ(n,l=0) | 5.7 3 | 4.0 4 | | | AreaAnalysis | 9 | BAP 6 251 | Apr61 | ORL | Muenzer. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Se^{78}$ | Γ | 3.8 2 | 3.8 2 | | | AreaAnalysis | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{78}$ | Γ | 3.8 2 | 3.8 2 | | | TimeOfFlight | 1 | NP 14 120 | Dec59 | ARK | Leblanc,J.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Se^{78}$ | Resonance Energy | 5.7 3 | 4.5 4 | | | TimeOfFlight | 10 | BAP 6 251 | Apr61 | ORL | Muenzer. |
| $Se^{78}$ | Resonance Energy | 3.8 2 | 3.8 2 | | | TimeOfFlight | 1 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Se^{78}$ | σ(0) | 3.8 2 | 3.8 2 | | | AreaAnalysis | 1 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{78}$ | σ(0) | 3.8 2 | 3.8 2 | | | TimeOfFlight | 1 | NP 14 120 | Dec59 | ARK | Leblanc,J.M.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Se^{80}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | JIN 5 23 | 57 | BLG | Apers. |
| $Se^{80}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Se^{80}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | NP 60 241 | 64 | ANL | Bishop. |
| $Se^{80}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 2 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | |
| $Se^{80}$ | Sigma | 2.0 5 | 3.1 6 | | $U^{235}(n,f)$ | Activation | 17 | | AE 24 187 | Feb68 | OBN | Tolstikov. |
| $Se^{80}$ | Sigma | 1.1 4 | 3.4 5 | | $U^{235}(n,f)$ | Activation | 20 | | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| $Se^{80}$ | Sigma | 1.1 4 | 3.4 5 | | Ratio | Activation | 6 | | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| $Se^{80}$ | Sigma | 3.0 6 | 3.0 6 | | Metast/Total | Activation * | 1 | AHP | 28 257 | Jan70 | DEB | Diksic,M.+ |
| $Se^{80}$ | Sigma | 3.0 6 | 3.0 6 | | $P^{31}(n,p)$ | Activation * | 2 | AHP | 28 257 | Jan70 | DEB | Diksic,M.+ |
| $Se^{80}$ | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Activation | 1 | CJP | 46 2473 | Nov68 | ARG | Ricabarra. |
| $Se^{80}$ | Spectrum | 2.5 -2 | 2.5 -2 | | γ's /100neut | γ-Spectromet* | 97 | ZN A | 26 458 | Mar71 | MUN | Rabenstein,D.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | |
| $Se^{80}$ | Sigma | 4.0 6 | 4.0 6 | | | Diff Sig Int | 1 | DOK | 158 574 | Sep64 | KUR | Gorlov. |
| $Se^{80}$ | Ang Distrib | 4.0 6 | 4.0 6 | | | CrystalScint | 17 | DOK | 158 574 | Sep64 | KUR | Gorlov. |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Se^{80}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect* | 1 | ZN A | 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Se^{80}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect* | 1 | ZN A | 26 451 | Mar71 | MUN | Breunlich,W.+ |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Se^{80}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | 1 | NP | 69 158 | Jul65 | MUA | Mangal,S.K.+ |
| $Se^{80}$ | Sigma | 1.3 7 | 1.7 7 | | H(n,n) | Activation | 13 | EANDC/E- | 76 51 | Jan67 | HAM | Bormann,M.+ |
| $Se^{80}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | CrystalScint | 1 | PR | 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Se^{80}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NP A | 100 186 | Jul67 | TUR | Minetti,B.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| $Se^{80}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | NP A | 100 186 | Jul67 | TUR | Minetti,B.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Se^{80}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP | 31 267 | 53 | CR | Paul. |
| $Se^{80}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 3 | NP A | 100 186 | Jul67 | TUR | Minetti,B.+ |
| $Se^{80}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | YF | 6 11 | Jul67 | CCP | Ivanenko. |
| $Se^{80}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | YF | 6 240 | Aug67 | KAZ | Vinitskaya. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Se^{80}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR | 88 412 | Oct52 | ORL | Pomerance. |
| $Se^{80}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR | 88 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | | |
| $Se^{80}$ | Γ(n) | 4.2 3 | 4.9 3 | | | AreaAnalysis | 2 | PR | 109 926 | Feb58 | ORL | Good. |
| $Se^{80}$ | Γ(n) | 2.0 3 | 2.0 3 | | | AreaAnalysis | 1 | NP | 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{80}$ | Γ(n) | 2.0 3 | 2.0 3 | | | TimeOfFlight | 1 | NP | 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{80}$ | Γ(n) | 3.9 3 | 4.0 4 | | | AreaAnalysis | 8 | BAP | 6 251 | Apr61 | ORL | Muenzer. |
| $Se^{80}$ | Γ(n,l=0) | 3.9 3 | 4.0 4 | | | AreaAnalysis | 8 | BAP | 6 251 | Apr61 | ORL | Muenzer. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Se^{80}$ | Γ | 4.2 3 | 4.9 3 | | | Accelerator | 2 | PR | 109 926 | Feb58 | ORL | Good. |
| $Se^{80}$ | Γ | 2.0 3 | 2.0 3 | | | AreaAnalysis | 1 | NP | 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{80}$ | Γ | 2.0 3 | 2.0 3 | | | TimeOfFlight | 1 | NP | 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Se^{80}$ | Resonance Energy | 1.8 3 | 5.3 3 | | | TimeOfFlight | 6 | PR | 100 1248 | Nov55 | ANL | Leblanc. |
| $Se^{80}$ | Resonance Energy | 3.0 3 | 7.0 3 | | | Accelerator | 2 | PR | 102 1580 | Jun56 | DKE | Newson. |
| $Se^{80}$ | Resonance Energy | 4.5 3 | 5.3 3 | | | AreaAnalysis | 2 | NP | 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{80}$ | Resonance Energy | 4.5 3 | 5.3 3 | | | TimeOfFlight | 2 | NP | 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{80}$ | Resonance Energy | 4.0 3 | 4.8 4 | | | TimeOfFlight | 9 | BAP | 6 251 | Apr61 | ORL | Muenzer. |
| $Se^{80}$ | Resonance Energy | 2.0 3 | 2.0 3 | | | TimeOfFlight | 1 | CR | 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Se^{80}$ | σ(0) | 2.0 3 | 2.0 3 | | | AreaAnalysis | 1 | NP | 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Se^{80}$ | σ(0) | 2.0 3 | 2.0 3 | | | TimeOfFlight | 1 | NP | 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Se^{80}$ | Strength Fn(l=0) | 7.5 3 | 7.5 3 | | | TimeOfFlight | 1 | NP | 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Se^{81}$ | Spin cut-off Par | 2.4 4 | 2.4 4 | | | * | 1 | NP A | 117 545 | Sep68 | MUA | Chaubey,A.K.+ |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Se^{82}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR | 72 888 | Nov47 | ANL | Seren,L.+ |
| $Se^{82}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS | 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Se^{82}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR | 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Se^{82}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | JIN | 29 281 | 67 | TRM | Iyer. |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Se^{82}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP | 31 267 | 53 | CR | Paul. |
| $Se^{82}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | 2 | NP | 69 158 | Jul65 | MUA | Mangal,S.K.+ |
| $Se^{82}$ | Sigma | 1.4 7 | 1.4 7 | | AnothA SameZ | CrystalScint | 2 | PR | 154 1023 | Feb67 | GIT | Venugopala Rao. |
| $Se^{82}$ | Sigma | 1.2 7 | 1.2 7 | | Al(n,alpha) | Activation * | 1 | AHP | 23 87 | May67 | DEB | Csikai. |
| $Se^{82}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 3 | NP A | 100 186 | Jul67 | TUR | Minetti,B.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Se^{82}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR | 88 412 | Oct52 | ORL | Pomerance. |
| $Se^{82}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR | 88 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | | |
| $Se^{82}$ | Γ(n) | 6.6 3 | 2.7 4 | | | AreaAnalysis | 4 | BAP | 6 251 | Apr61 | ORL | Muenzer. |
| $Se^{82}$ | Γ(n,l=0) | 6.6 3 | 2.7 4 | | | AreaAnalysis | 4 | BAP | 6 251 | Apr61 | ORL | Muenzer. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Se^{82}$ | Resonance Energy | 6.6 3 | 2.6 4 | | | TimeOfFlight | 4 | BAP | 6 251 | Apr61 | ORL | Muenzer. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Br | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Br | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Br | Sigma | 1.2 1 | 4.4 4 | | | Slowing-Down | 87 | ZET 42 988 | 62 | LEB | Popov. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Br | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTW RP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Br | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Br | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Br | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Br | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Br | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,alpha) REACTION | | | | | | | | | | |
| Br | Sigma | 1.3 7 | 1.7 7 | | | CrystalScint* | 5 | NP 71 497 | Sep65 | HAM | Koenig,V. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Br | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,F.C.W.+ |
| Br | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Br | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Br | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Br | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Br | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Br | Sigma | 5.8 -3 | 1.1 1 | | Absolute | Crystal Spec | 54 | NAT 166 825 | Nov50 | HAR | Egelstaff. |
| Br | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Br | Sigma | 2.2 6 | 2.8 6 | | Absolute | Accelerator | 14 | PR 90 618 | May53 | TEX | Dvorak,H.R.+ |
| Br | Sigma | 1.7 7 | 2.0 7 | | Absolute | Biased Scint | 3 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| Br | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Br | Sigma | 2.8 1 | 1.7 3 | | Absolute | TimeOfFlight | 225 | PR 100 1248 | Nov55 | ANL | Leblanc. |
| Br | Sigma | 5.8 4 | 3.0 6 | | Absolute | Accelerator | 53 | PR 104 1025 | Nov56 | WIS | Zucker. |
| Br | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Br | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Br | Sigma | 8.2 1 | 4.0 3 | | Absolute | TimeOfFlight | 6709 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | Sigma | 8.2 1 | 4.1 3 | P | Absolute | TimeOfFlight | 19039 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 245 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | |
| Br | Γ(γ) | 3.6 1 | 6.5 2 | | | AreaAnalysis | 12 | BAP 4 473 | 59 | COL | Rosen. |
| Br | Γ(γ) | 2.0 2 | 2.0 2 | | | TimeOfFlight | 1 | ZET 45 1294 | Nov63 | DUB | |
| Br | Γ(γ) | 3.6 1 | 6.5 2 | | | Selfindicatn | 9 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | Γ(γ) | 1.4 2 | 6.5 2 | | | TimeOfFlight | 19 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | Γ(γ) | 5.6 2 | 1.9 3 | | | Shape Analys | 19 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | |
| Br | Γ(n) | 5.4 1 | 5.4 1 | | | | 1 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | Γ(n) | 3.6 1 | 6.5 2 | | | Selfindicatn | 22 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | Γ(n) | 1.0 2 | 6.5 2 | | | TimeOfFlight | 23 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | Γ(n) | 1.5 3 | 1.5 3 | | | | 1 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| Br | Γ(n) | 5.6 2 | 1.9 3 | | | Shape Analys | 19 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Br | gΓ(n) | 3.6 1 | 2.0 3 | | | Shape Analys | 43 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Br | 2gΓ(n) | 3.6 1 | 9.9 2 | | | AreaAnalysis | 37 | BAP 4 473 | 59 | COL | Rosen. |
| Br | 2gΓ(n) | 1.6 2 | 3.7 2 | | | TimeOfFlight | 6 | ZET 45 1294 | Nov63 | DUB | |
| Br | 2gΓ(n) | 6.0 2 | 1.5 3 | | | | 6 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| Br | 2gΓ(n) | 3.6 1 | 2.0 3 | | | TimeOfFlight | 37 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| Br | Γ(n,l=0) | 2.0 2 | 2.0 2 | | | TimeOfFlight | 1 | ZET 45 1294 | Nov63 | DUB | |
| Br | Γ(n,l=0) | 5.6 2 | 1.9 3 | | | Shape Analys | 19 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Br | gΓ(n,l=0) | 3.6 1 | 2.0 3 | | | Shape Analys | 43 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Br | 2gΓ(n,l=0) | 3.6 1 | 9.9 2 | | | AreaAnalysis | 37 | BAP 4 473 | 59 | COL | Rosen. |
| Br | 2gΓ(n,l=0) | 6.0 2 | 1.5 3 | | | | 6 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| Br | 2gΓ(n,l=0) | 3.6 1 | 2.0 3 | | | TimeOfFlight | 37 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| Br | 4agΓ(n,l=0) | 3.6 1 | 9.3 2 | | | Selfindicatn | 29 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | 4agΓ(n,l=0) | 1.0 2 | 3.9 3 | | | TimeOfFlight | 155 | PR 136B 177 | Oct64 | COL | Garg. |
| | TOTAL WIDTH | | | | | | | | | | |
| Br | Γ | 2.0 2 | 2.0 2 | | | TimeOfFlight | 1 | ZET 45 1294 | Nov63 | DUB | |
| Br | Γ | 1.4 2 | 6.5 2 | | | TimeOfFlight | 13 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | Γ | 5.6 2 | 1.9 3 | | | Shape Analys | 19 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Br | Resonance Energy | 3.6 1 | 2.0 3 | | | Shape Analys* | 43 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Br | Spin of Reson | 1.0 2 | 4.7 2 | | | AreaAnalysis | 6 | BAP 4 473 | 59 | COL | Rosen. |
| Br | Spin of Reson | 2.0 2 | 2.0 2 | | | TimeOfFlight | 1 | ZET 45 1294 | Nov63 | DUB | |
| Br | Spin of Reson | 1.0 2 | 3.2 2 | | | Selfindicatn | 3 | PR 136B 177 | Oct64 | COL | Garg. |
| Br | Spin of Reson | 5.6 2 | 1.9 3 | | | Shape Analys | 19 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| Br | Strength Fn(l=0) | 2.0 3 | 2.0 3 | | | Shape Analys | 2 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| Br | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Br | Strength Fn(l=0) | 2.0 3 | 2.0 3 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| Br | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Br^{79}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Br^{79}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Br^{79}$ | Sigma | 2.0 5 | 4.0 5 | | $I^{127}$ | Activation | 6 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Br^{79}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Br^{79}$ | Sigma | 1.7 5 | 4.8 5 | | $U^{235}(n,f)$ | Activation | 30 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Br^{79}$ | Sigma | 1.7 5 | 4.8 5 | N | $U^{235}(n,f)$ | Activation | 30 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Br^{79}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Br^{79}$ | Sigma | 1.6 5 | 1.5 5 | | $U^{235}(n,f)$ | Activation | 66 | PR 133B 378 | Jan64 | ANL | Cox,S.A. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | |
| $Br^{79}$ | Sigma | 1.6 5 | 1.5 6 | N | $U^{235}$(n,f) | Activation | | 34 | PR 133B 378 | Jan64 | ANL | Cox,S.A. |
| $Br^{79}$ | Sigma | 2.5 -2 | 3.1 6 | | Metast/Grnd | Activation | * | 8 | NP 67 443 | May65 | DEB | Bacso,J.+ |
| $Br^{79}$ | Sigma | 1.9 5 | 2.3 5 | | $U^{235}$(n,f) | Activation | | 2 | BAP 10 576 A | Jun65 | ANL | Cox,S.A. |
| $Br^{79}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * | 2 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Br^{79}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Br^{79}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 2 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | INEL SCATTERING | | | | | | | | | | | |
| $Br^{79}$ | Sigma | 1.3 7 | 1.6 7 | | H(n,n) | Activation | | 10 | EANDC/E- 76 51 | Jan67 | HAM | Bormann,M.+ |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | * | 1 | OAW 176 227 | 68 | IRK | Bornemisza-Pauspertl |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Br^{79}$ | Sigma | 2.8 6 | 2.8 6 | | Indium | Activation | | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Br^{79}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}$(n,2n) | Activation | | 1 | BAP 4 288 | Apr59 | ANL | Rayburn. |
| $Br^{79}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Br^{79}$ | Sigma | 1.2 7 | 1.8 7 | | σ(E*E(th)) | Activation | | 8 | RR/TR/62- 1 | Apr62 | RED | Koehler. |
| $Br^{79}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| $Br^{79}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | CR 257 659 | Jul63 | BOR | Carles,C. |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | * | 2 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |
| $Br^{79}$ | Sigma | 1.3 7 | 1.6 7 | | H(n,n) | Activation | | 9 | EANDC/E- 76 51 | Jan67 | HAM | Bormann,M.+ |
| $Br^{79}$ | Sigma | 1.3 7 | 1.5 7 | | Absolute | Activation | | 9 | NP A 93 74 | Mar67 | KTO | Okumura,S. |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | NC B 50 367 | Aug67 | TUR | Minetti,B.+ |
| $Br^{79}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Solidstate | C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | $P^{31}$(n,p) | Activation | * | 1 | RCA 5 28 | May66 | OSL | Kjelberg,A.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Br^{79}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | | 1 | PR 110 531 | Apr58 | ORL | Blosser. |
| $Br^{79}$ | Sigma | 1.3 7 | 1.9 7 | | Al(n,alpha) | Activation | * | 10 | ZP 174 1 | May63 | HAM | Bormann,M.+ |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | * | 1 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | CrystalScint | * | 1 | NP 71 497 | Sep65 | HAM | Koenig,V. |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | $P^{31}$(n,p) | Activation | * | 1 | RCA 5 28 | May66 | OSL | Kjelberg,A.+ |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | * | 1 | NC B 50 367 | Aug67 | TUR | Minetti,B.+ |
| $Br^{79}$ | Sigma | 1.5 7 | 1.5 7 | | Indium | Activation | | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| $Br^{79}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Solidstate | C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Br^{79}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Mass Spec | | 1 | PR 79 789 | Sep50 | CHI | Reynolds. |
| | γ-WIDTH | | | | | | | | | | | |
| $Br^{79}$ | Γ(γ) | 3.6 1 | 2.4 2 | | | TimeOfFlight | | 4 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{79}$ | Γ(γ) | 3.6 1 | 3.9 2 | | | TimeOfFlight | | 7 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{79}$ | Γ(γ) | 3.6 1 | 3.2 2 | | | AreaAnalysis | | 5 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Br^{79}$ | Γ(γ) | 2.4 2 | 3.2 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | | |
| $Br^{79}$ | Γ(n) | 3.6 1 | 3.2 2 | | | TimeOfFlight | | 6 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{79}$ | Γ(n) | 2.4 2 | 3.2 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{79}$ | gΓ(n) | 2.4 2 | 3.2 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{79}$ | 2gΓ(n) | 3.6 1 | 3.9 2 | | | TimeOfFlight | | 7 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{79}$ | 2gΓ(n) | 2.4 2 | 3.2 2 | | | TimeOfFlight | | 2 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| $Br^{79}$ | 2gΓ(n) | 3.6 1 | 3.2 2 | | | AreaAnalysis | | 5 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Br^{79}$ | Γ(n,l=0) | 3.6 1 | 3.2 2 | | | TimeOfFlight | | 6 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{79}$ | Γ(n,l=0) | 3.6 1 | 3.9 2 | | | TimeOfFlight | | 6 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{79}$ | Γ(n,l=0) | 2.4 2 | 3.2 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{79}$ | gΓ(n,l=0) | 2.4 2 | 3.2 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{79}$ | 2gΓ(n,l=0) | 2.4 2 | 3.2 2 | | | TimeOfFlight | | 2 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Br^{79}$ | Γ | 3.6 1 | 3.2 2 | | | TimeOfFlight | | 6 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{79}$ | Γ | 3.6 1 | 3.9 2 | | | TimeOfFlight | | 7 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{79}$ | Γ | 3.9 2 | 3.9 2 | | | TimeOfFlight | | 1 | PR 136B 177 | Oct64 | COL | Garg. |
| $Br^{79}$ | Γ | 3.6 1 | 3.2 2 | | | AreaAnalysis | | 5 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Br^{79}$ | Γ | 2.4 2 | 3.2 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Br^{79}$ | Resonance Energy | 3.6 1 | 3.2 2 | | | TimeOfFlight | | 5 | PR 100 1248 | Nov55 | ANL | Leblanc. |
| $Br^{79}$ | Resonance Energy | 2.4 2 | 3.2 2 | | | Shape Analys | * | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{79}$ | σ(0) | 3.6 1 | 3.2 2 | | | TimeOfFlight | | 6 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{79}$ | Spin of Reson | 3.6 1 | 3.9 2 | | | TimeOfFlight | | 6 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{79}$ | Spin of Reson | 3.6 1 | 3.2 2 | | | AreaAnalysis | | 5 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Br^{79}$ | Spin of Reson | 2.4 2 | 3.2 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Br^{79}$ | Strength Fn(l=0) | 2.0 5 | 2.0 5 | | | AreaAnalysis | | 1 | ZET 45 1294 | Nov63 | DUB | |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Br^{80}$ | Spin cut-off Par | 2.4 4 | 2.4 4 | | | | * | 1 | NP A117 545 | Sep68 | MUA | Chaubey,A.K.+ |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Br^{81}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Br^{81}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Br^{81}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Br^{81}$ | Sigma | 2.0 5 | 4.0 6 | | $I^{127}$ | Activation | | 6 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Br^{81}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | | 1 | PR 114 1619 | Jun59 | OPL | Lyon. |
| $Br^{81}$ | Sigma | 1.7 5 | 1.0 6 | | $U^{235}$(n,f) | Activation | | 8 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Br^{81}$ | Sigma | 1.7 5 | 2.5 6 | N | $U^{235}$(n,f) | Activation | | 10 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Br^{81}$ | Sigma | 1.6 5 | 1.5 9 | | $U^{235}$(n,f) | Activation | | 34 | PR 133B 378 | Jan64 | ANL | Cox,S.A. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | |
| $Br^{81}$ | Sigma | 1.6 8 | 1.5 9 | N | $U^{235}(n,f)$ | Activation | | 17 | PR 133B 378 | Jan64 | ANL | Cox,S.A. |
| $Br^{81}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 3 | JIN 27 903 | 65 | ORL | Emery. |
| $Br^{81}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | | 2 | JIN 27 903 | 65 | ORL | Emery. |
| $Br^{81}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Br^{81}$ | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation | * | 1 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| $Br^{81}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Br^{81}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | Activation | | 3 | JIN 27 903 | 65 | ORL | Emery. |
| $Br^{81}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | | 2 | JIN 27 903 | 65 | ORL | Emery. |
| $Br^{81}$ | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Activation | | 1 | CJP 46 2473 | Nov68 | ARG | Ricabarra. |
| $Br^{81}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Br^{81}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Br^{81}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Br^{81}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | | 2 | JPJ 16 2371 | Dec61 | HYO | Fukuzawa,P.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | * | 3 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Br^{81}$ | Sigma | 1.3 7 | 1.9 7 | | Iron | Activation | * | 10 | ZP 166 477 | Feb62 | HAM | Bormann,M.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | * | 2 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |
| $Br^{81}$ | Sigma | 1.3 7 | 1.5 7 | | Absolute | Activation | | 10 | NP A 93 74 | Mar67 | KTO | Okumura,S. |
| $Br^{81}$ | Sigma | 1.3 7 | 1.5 7 | | Metast/Total | Activation | | 10 | NP A 93 74 | Mar67 | KTO | Okumura,S. |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 3 | NC B 50 367 | Aug67 | TUR | Minetti,B.+ |
| $Br^{81}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Solidstate | C | 2 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | * | 3 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | * | 1 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | $P^{31}(n,p)$ | Activation | * | 2 | RCA 5 28 | May66 | OSL | Kjelberg,A.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | NC B 50 367 | Aug67 | TUR | Minetti,B.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| $Br^{81}$ | Sigma | 1.0 6 | 1.0 6 | | Al(n,alpha) | Activation | * | 2 | KR-123 | Dec67 | KJL | Steinnes,E. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | * | 2 | PR 137B 878 | Feb65 | OSL | Grimeland,B.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | CrystalScint | * | 1 | NP 71 497 | Sep65 | HAM | Koenig,V. |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | $P^{31}(n,p)$ | Activation | * | 1 | RCA 5 28 | May66 | OSL | Kjelberg,A.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | * | 1 | NC B 50 367 | Aug67 | TUR | Minetti,B.+ |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | | 1 | YF 6 240 | Aug67 | KAZ | Vinitskaya. |
| $Br^{81}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Solidstate | C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| | (n,n alpha) REACT | | | | | | | | | | | |
| $Br^{81}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Br^{81}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Mass Spec | | 1 | PR 79 789 | Sep50 | CHI | Reynolds. |
| | γ-WIDTH | | | | | | | | | | | |
| $Br^{81}$ | $\Gamma(\gamma)$ | 1.0 2 | 1.4 2 | | | TimeOfFlight | | 2 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{81}$ | $\Gamma(\gamma)$ | 1.0 2 | 1.4 2 | | | TimeOfFlight | | 2 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{81}$ | $\Gamma(\gamma)$ | 1.0 2 | 1.4 2 | | | AreaAnalysis | | 2 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Br^{81}$ | $\Gamma(\gamma)$ | 1.0 2 | 1.4 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | | |
| $Br^{81}$ | $\Gamma(n)$ | 1.0 2 | 2.0 2 | | | TimeOfFlight | | 3 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{81}$ | $\Gamma(n)$ | 1.0 2 | 1.0 2 | | | TimeOfFlight | | 1 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| $Br^{81}$ | $\Gamma(n)$ | 1.0 2 | 1.4 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{81}$ | $g\Gamma(n)$ | 1.0 2 | 1.4 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{81}$ | $2g\Gamma(n)$ | 1.0 2 | 1.4 2 | | | TimeOfFlight | | 2 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{81}$ | $2g\Gamma(n)$ | 1.4 2 | 1.4 2 | | | | | 1 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| $Br^{81}$ | $2g\Gamma(n)$ | 1.0 2 | 1.0 2 | | | TimeOfFlight | | 1 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| $Br^{81}$ | $2g\Gamma(n)$ | 1.0 2 | 1.4 2 | | | AreaAnalysis | | 2 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Br^{81}$ | $\Gamma(n,l=0)$ | 1.0 2 | 2.0 2 | | | TimeOfFlight | | 3 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{81}$ | $\Gamma(n,l=0)$ | 1.0 2 | 1.4 2 | | | TimeOfFlight | | 2 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{81}$ | $\Gamma(n,l=0)$ | 1.0 2 | 1.0 2 | | | TimeOfFlight | | 1 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| $Br^{81}$ | $\Gamma(n,l=0)$ | 1.0 2 | 1.4 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{81}$ | $g\Gamma(n,l=0)$ | 1.0 2 | 1.4 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{81}$ | $2g\Gamma(n,l=0)$ | 1.4 2 | 1.4 2 | | | | | 1 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| $Br^{81}$ | $2g\Gamma(n,l=0)$ | 1.0 2 | 1.0 2 | | | TimeOfFlight | | 1 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Br^{81}$ | $\Gamma$ | 1.0 2 | 2.0 2 | | | TimeOfFlight | | 3 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{81}$ | $\Gamma$ | 1.0 2 | 1.4 2 | | | TimeOfFlight | | 2 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{81}$ | $\Gamma$ | 1.0 2 | 1.0 2 | | | TimeOfFlight | | 1 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| $Br^{81}$ | $\Gamma$ | 1.0 2 | 1.4 2 | | | AreaAnalysis | | 2 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Br^{81}$ | $\Gamma$ | 1.0 2 | 1.4 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Br^{81}$ | Resonance Energy | 1.0 2 | 1.5 3 | | | TimeOfFlight | | 5 | PR 100 1248 | Nov55 | ANL | Leblanc. |
| $Br^{81}$ | Resonance Energy | 1.0 2 | 1.4 2 | | | Shape Analys | * | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Br^{81}$ | $\sigma(0)$ | 1.0 2 | 2.0 2 | | | TimeOfFlight | | 3 | NP 14 120 | Dec59 | ANL | Leblanc,J.M.+ |
| $Br^{81}$ | Spin of Reson | 1.0 2 | 1.4 2 | | | TimeOfFlight | | 2 | ZET 45 1294 | Nov63 | DUB | |
| $Br^{81}$ | Spin of Reson | 1.0 2 | 1.0 2 | | | TimeOfFlight | | 1 | JULIEN 65A | Jan65 | SAC | Julien,J. |
| $Br^{81}$ | Spin of Reson | 1.0 2 | 1.4 2 | | | AreaAnalysis | | 2 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Br^{81}$ | Spin of Reson | 1.0 2 | 1.4 2 | | | Shape Analys | | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Kr | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | * | 1 | NP A133 410 | Aug69 | BNL | Rorer. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Kr | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| Kr | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | * | 1 | NP A133 410 | Aug69 | BNL | Rorer. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Kr | σ(Averaged) | 2.5 -2 | 2.5 -2 | | | Total | 1 | JNE 6 113 | Dec57 | HAR | Cocking,S.J. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Kr | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | KROHN 66 | 66 | ANL | Krohn. |
| Kr | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | PR 148 1303 | Aug66 | ANL | Krohn. |
| Kr | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | KROHN 66 | 66 | ANL | Krohn. |
| | CHARGED PART EMISS | | | | | | | | | | |
| Kr | Sigma | 6.3 6 | 1.2 7 | | H(n,n) | Gas Scint | 12 | NP 31 166 | 62 | WIS | Shamu,R.E. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Kr | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 80 296 | Oct50 | MCM | Macnamara. |
| Kr | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | JNE 6 113 | Dec57 | HAR | Cocking,S.J. |
| Kr | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| Kr | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | KROHN 66 | 66 | ANL | Krohn. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Kr | Sigma | 1.2 -2 | 1.1 5 | | Absolute | TimeOfFlight | 65 | NRDC-102 | Apr57 | HAR | Cocking. |
| Kr | Sigma | 2.5 -2 | 4.1 1 | | Absolute | TimeOfFlight | 3 | JNE 6 113 | Dec57 | HAR | Cocking,S.J. |
| Kr | Sigma | 1.2 5 | 2.0 7 | | Absolute | Accelerator | 153 | PR 118 683 | May60 | LOK | Imhof,W.L.+ |
| Kr | Sigma | 2.1 6 | 2.8 6 | | Absolute | Accelerator | 5 | SPN- 209 61 | CCP | | Vlasenko,V.P.+ |
| Kr | Sigma | 3.1 -3 | 2.5 -2 | | Absolute | Crystal Spec | 23 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| Kr | Sigma | 7.5 -2 | 6.2 0 | | Absolute | Transmission* | 14 | NP A133 410 | Aug69 | BNL | Rorer. |
| | TOTAL WIDTH | | | | | | | | | | |
| Kr | Γ | 2.8 1 | 4.1 1 | | Absolute | TimeOfFlight | 2 | JNE 6 113 | Dec57 | HAR | Cocking,S.J. |
| | AVERAGED PARAM | | | | | | | | | | |
| Kr | Strength Fn(l=0) | 3.2 2 | 3.2 2 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Kr^{78}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li) Detect | 2 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Kr^{78}$ | Sigma | 1.4 7 | 1.4 7 | | | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Kr^{78}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li) Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | n-WIDTH | | | | | | | | | | |
| $Kr^{78}$ | Γ(n) | 6.4 2 | 6.4 2 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Kr^{78}$ | Γ(n,l=0) | 6.4 2 | 6.4 2 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Kr^{80}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 79 886 | Sep50 | ANL | Reynolds,J.H. |
| $Kr^{80}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 80 296 | Oct50 | MCM | Macnamara. |
| $Kr^{80}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| $Kr^{80}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li) Detect | 1 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Kr^{80}$ | Sigma | 1.4 7 | 1.4 7 | | | Solidstate C | 2 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Kr^{80}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li) Detect | 2 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Kr^{80}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li) Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Kr^{80}$ | Γ(γ) | 1.1 2 | 1.1 2 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | n-WIDTH | | | | | | | | | | |
| $Kr^{80}$ | Γ(n) | 1.1 2 | 6.4 2 | | | TimeOfFlight | 2 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Kr^{80}$ | Γ(n,l=0) | 1.1 2 | 6.4 2 | | | TimeOfFlight | 2 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Kr^{82}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Proportion C | 1 | NSE 21 114 | Jan65 | ANL | Ruby. |
| $Kr^{82}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li) Detect | 1 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Kr^{82}$ | Sigma | 1.4 7 | 1.4 7 | | | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Kr^{82}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li) Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Kr^{82}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li) Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | n-WIDTH | | | | | | | | | | |
| $Kr^{82}$ | Γ(n) | 4.0 1 | 4.0 1 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Kr^{82}$ | Γ(n,l=0) | 4.0 1 | 4.0 1 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Kr^{83}$ | Γ(γ) | 2.8 1 | 2.8 1 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | n-WIDTH | | | | | | | | | | |
| $Kr^{83}$ | Γ(n) | 2.8 1 | 2.3 2 | | | TimeOfFlight | 2 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Kr^{83}$ | Γ(n,l=0) | 2.8 1 | 2.3 2 | | | TimeOfFlight | 2 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Kr^{84}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | (*) 2 642 51 | | ANL | Hoagland. |
| $Kr^{84}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| $Kr^{84}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li)Detect | 1 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Kr^{84}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | n-WIDTH | | | | | | | | | | |
| $Kr^{84}$ | Γ(n) | 5.2 2 | 5.8 2 | | | TimeOfFlight | 2 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Kr^{84}$ | Γ(n,l=0) | 5.2 2 | 5.8 2 | | | TimeOfFlight | 2 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Kr^{86}$ | Sigma | 1.4 7 | 1.4 7 | | | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Kr^{86}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Kr^{86}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Rb | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Ion Chamber | 1 | 55CLEVE-203 | Dec55 | ORL | Brooksbank. |
| Rb | Sigma | 4.0 5 | 4.0 5 | | $U^{235}(n,f)$ | Scint Tank | 1 | PR 120 556 | Oct60 | LAS | Diven. |
| Rb | Sigma | 1.3 2 | 4.2 4 | | | Slowing-Down | 53 | ZET 42 988 | 62 | LEB | Popov. |
| Rb | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Rb | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint* | 1 | NP A154 243 | Oct70 | PR | Rigaud,F.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Rb | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Rb | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| Rb | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | COPLEY 69P | Jun69 | MCM | Copley. |
| Rb | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Rb | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Rb | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Rb | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| Rb | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 4 | COPLEY 69P | Jun69 | MCM | Copley. |
| | (n,p) REACTION | | | | | | | | | | |
| Rb | Sigma | 1.3 7 | 1.7 7 | | | CrystalScint* | 5 | NP 71 497 | Sep65 | HAM | Koenig,V. |
| | (n,alpha) REACTION | | | | | | | | | | |
| Rb | Sigma | 1.3 7 | 1.7 7 | | | CrystalScint* | 5 | NP 71 497 | Sep65 | HAM | Koenig,V. |
| Rb | Sigma | 1.5 7 | 1.5 7 | | Absolute | CrystalScint* | 1 | NP 71 497 | Sep65 | HAM | Koenig,V. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Rb | Sigma | 2.5 -2 | 2.5 -2 | | $Au(n,\gamma)$ | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Rb | Sigma | 2.5 -2 | 2.5 -2 | N | $Au(n,\gamma)$ | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Rb | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Rb | Sigma | 2.0 -2 | 5.0 0 | | Absolute | Crystal Spec | 459 | PR 99 610 | Jul55 | MTR | Joki,E.G.+ |
| Rb | Sigma | 4.6 3 | 6.1 3 | | Absolute | Accelerator | 9 | PR 102 1574 | Jun56 | DKE | Gibbons. |
| Rb | Sigma | 4.7 3 | 2.5 4 | | | Proportion C | 51 | PR 105 198 | Jan57 | DKE | Newson. |
| Rb | Sigma | 1.0 3 | 1.5 4 | | Absolute | Accelerator | 52 | AP 14 346 | 61 | DKE | Newson. |
| Rb | Sigma | 1.5 7 | 1.5 7 | | | | 1 | AHP 20 193 | 66 | DEB | Angeli,I.+ |
| Rb | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 242 | FOSTER 67E | May67 | BNW | Foster. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Rb | Resonance Energy | 2.0 3 | 3.0 3 | | | CaptureGamma | 5 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| Rb | Resonance Energy | 2.0 3 | 3.0 3 | | | Selfindicatn | 5 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Rb | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Rb | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Rb^{85}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Rb^{85}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | BROOKSHANK 56 | 56 | ORL | Brookshank. |
| $Rb^{85}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Rb^{85}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Au(n,\gamma)$ | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Rb^{85}$ | Sigma | 1.6 2 | 1.7 4 | | | Slowing-Down | 39 | ZET 42 988 | 62 | LEB | Popov. |
| $Rb^{85}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Rb^{85}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Rb^{85}$ | Sigma | 2.8 6 | 2.8 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| $Rb^{85}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 29 2853 | Dec67 | CAN | Sims. |
| $Rb^{85}$ | Sigma | 1.4 5 | 2.6 6 | | $U^{235}(n,f)$ | Activation | 13 | JNE 22 267 | May68 | ANL | Stupegia. |
| $Rb^{85}$ | Sigma | 1.6 5 | 1.5 6 | | $U^{235}(n,f)$ | Activation * | 29 | JNE 24 181 | Jul70 | ANL | Dudey,N.D.+ |
| $Rb^{85}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | JIN 29 2853 | Dec67 | CAN | Sims. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Rb^{85}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| $Rb^{85}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Rb^{85}$ | Sigma | 1.0 7 | 1.5 7 | | H(n,n) | Activation | 5 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Rb^{85}$ | Sigma | 1.2 7 | 2.0 7 | | $U^{238}(n,f)$ | Activation | 9 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Rb^{85}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Rb^{85}$ | Sigma | 1.4 7 | 1.5 7 | | Al(n,alpha) | Activation * | 2 | APA 23 42 | May66 | IRK | Rieder,R.+ |
| $Rb^{85}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Rb^{85}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Solidstate C | 2 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Rb^{85}$ | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation * | 28 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| $Rb^{85}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 3 | NP A118 449 | Oct68 | TUR | Minetti,B.+ |
| $Rb^{85}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 2 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Rb^{85}$ | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation * | 10 | 66PARIS/I- 225 | Oct66 | HAM | Bormann,M.+ |
| $Rb^{85}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Rb^{85}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Rb^{85}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Rb^{85}$ | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation * | 10 | 66PARIS/I- 225 | Oct66 | HAM | Bormann,M.+ |
| $Rb^{85}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| | γ-WIDTH | | | | | | | | | | |
| $Rb^{85}$ | $\Gamma(\gamma)$ | 5.3 2 | 1.2 3 | | | | 2 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Rb^{85}$ | $\Gamma(\gamma)$ | 5.3 2 | 1.2 3 | | | CaptureGamma | 2 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Rb^{85}$ | $\Gamma(\gamma)$ | 5.3 2 | 1.2 3 | | | Selfindicatn | 2 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| | n-WIDTH | | | | | | | | | | |
| $Rb^{85}$ | $2g\Gamma(n)$ | 4.1 3 | 6.9 3 | | | AreaAnalysis | 4 | PR 109 926 | Feb58 | ORL | Good. |
| $Rb^{85}$ | $2g\Gamma(n)$ | 5.3 2 | 1.2 3 | | | | 3 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Rb^{85}$ | $2g\Gamma(n)$ | 5.3 2 | 1.2 3 | | | CaptureGamma | 2 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Rb^{85}$ | $2g\Gamma(n)$ | 1.8 2 | 1.2 3 | | | Selfindicatn | 8 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| $Rb^{85}$ | $2g\Gamma(n,l=0)$ | 4.1 3 | 6.9 3 | | | AreaAnalysis | 4 | PR 109 926 | Feb58 | ORL | Good. |
| $Rb^{85}$ | $2g\Gamma(n,l=0)$ | 1.8 2 | 1.2 3 | | | Selfindicatn | 8 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Rb^{85}$ | Resonance Energy | 3.3 | 3 | 3.3 | 3 | | | AreaAnalysis | 1 | PR 109 926 | Feb58 | ORL | Good. |
| $Rb^{85}$ | Resonance Energy | 1.0 | 3 | 1.7 | 3 | | | | 4 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Rb^{85}$ | Strength Fn(l=0) | 6.5 | 2 | 6.5 | 2 | | | Selfindicatn | 1 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| $Rb^{85}$ | Level Spacing | 3.5 | 9 | 4.3 | 9 | | | TimeOfFlight | 2 | AP 14 346 | 61 | DKE | Newson. |
| $Rb^{85}$ | Level Spacing | 6.5 | 2 | 6.5 | 2 | | | Selfindicatn | 1 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Rb^{87}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Rb^{87}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Rb^{87}$ | Sigma | 2.5 | 6 | 4.0 | 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Rb^{87}$ | Sigma | 2.5 | 6 | 4.0 | 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Rb^{87}$ | Sigma | 2.1 | 4 | 2.1 | 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Rb^{87}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Rb^{87}$ | Sigma | 1.1 | 4 | 3.0 | 5 | | | Activation | 6 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| $Rb^{87}$ | Sigma | 1.6 | 5 | 1.6 | 6 | | $U^{235}$(n,f) | Activation * | 24 | JNE 24 181 | Jul70 | ANL | Dudey,N.D.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Rb^{87}$ | Sigma | 1.0 | 7 | 1.5 | 7 | | H(n,n) | Activation | 6 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Rb^{87}$ | Sigma | 1.2 | 7 | 2.0 | 7 | | $U^{238}$(n,f) | Activation | 9 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Rb^{87}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Rb^{87}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 2 | APA 23 42 | May66 | IRK | Rieder,R.+ |
| $Rb^{87}$ | Sigma | 1.3 | 7 | 1.3 | 7 | | Al(n,alpha) | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Rb^{87}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Rb^{87}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation * | 3 | NP A118 449 | Oct68 | TUR | Minetti,B.+ |
| $Rb^{87}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 2 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Rb^{87}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| $Rb^{87}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Rb^{87}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Rb^{87}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Rb^{87}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Solidstate C | 1 | BAP 13 602 | Apr68 | GIT | Ranakumar. |
| | (n,n alpha) REACT | | | | | | | | | | | | |
| $Rb^{87}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Rb^{87}$ | Sigma | 4.6 | 3 | 1.3 | 4 | | Absolute | TimeOfFlight | 56 | PR 109 926 | Feb58 | ORL | Good. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Rb^{87}$ | Γ(γ) | 3.8 | 2 | 3.8 | 2 | | | CaptureGamma | 1 | ZET 49 410 | Aug65 | CCP | Kim Hi San. |
| $Rb^{87}$ | Γ(γ) | 3.8 | 2 | 3.8 | 2 | | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Rb^{87}$ | Γ(γ) | 3.8 | 2 | 3.8 | 2 | | | Selfindicatn | 1 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Rb^{87}$ | 2gΓ(n) | 5.0 | 3 | 8.5 | 3 | | | AreaAnalysis | 4 | PR 109 926 | Feb58 | ORL | Good. |
| $Rb^{87}$ | 2gΓ(n) | 3.8 | 2 | 3.8 | 2 | | | CaptureGamma | 1 | ZET 49 410 | Aug65 | CCP | Kim Hi San. |
| $Rb^{87}$ | 2gΓ(n) | 3.8 | 2 | 3.8 | 2 | | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Rb^{87}$ | 2gΓ(n) | 2.7 | 2 | 3.8 | 2 | | | Selfindicatn | 2 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| $Rb^{87}$ | 2gΓ(n,l=0) | 5.0 | 3 | 8.5 | 3 | | | AreaAnalysis | 4 | PR 109 926 | Feb58 | ORL | Good. |
| $Rb^{87}$ | 2gΓ(n,l=0) | 2.7 | 2 | 3.8 | 2 | | | Selfindicatn | 2 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Rb^{87}$ | Level Spacing | 2.4 | 4 | 2.6 | 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Rb^{88}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | AnothA SameZ | Activation | 1 | CJC 36 731 | 58 | CR | Roy.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Sr | Sigma | 2.4 4 | 8.3 5 | | Absolute | Shell Trans | 3 | AE 8 549 | 60 | CCP | Belanova. |
| Sr | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Sr | Sigma | 2.4 4 | 2.4 4 | | | Long Counter | 1 | AE 19 3 | 65 | OBN | Belanova. |
| Sr | Sigma | 2.4 4 | 2.4 4 | | | | 1 | 66PARIS/I- 455 | Oct66 | OBN | Belanova. |
| Sr | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint* | 1 | NP A154 243 | Oct70 | FR | Rigaud,P.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Sr | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Sr | Sigma | 5.6 4 | 9.8 4 | | Carbon | 4Pi*σ(90°) | 12 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Sr | Sigma | 3.7 6 | 3.7 6 | | | Diff Sig Int | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Sr | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Sr | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Sr | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 21 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Sr | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Sr | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | TimeOfFlight* | 8 | KUIJPER 65L | Dec65 | NED | Kuijper,P. |
| Sr | Ang Distrib | 3.2 6 | 3.2 6 | | | | 14 | NP 89 154 | 66 | BCM | Becker. |
| Sr | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Sr | Sigma | 1.2 6 | 1.2 6 | | | He³ Spec | 2 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Sr | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 2 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Sr | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 54 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Sr | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | TimeOfFlight* | 16 | KUIJPER 65L | Dec65 | NED | Kuijper,P. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Sr | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sr | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sr | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sr | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Sr | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Sr | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,P.C.W.+ |
| Sr | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Sr | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Sr | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Sr | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Sr | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Sr | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Sr | Sigma | 3.7 6 | 3.7 6 | | | Total | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Sr | Sigma | 5.0 4 | 3.2 6 | | Absolute | Accelerator | 95 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Sr | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Sr | Sigma | 7.2 3 | 1.0 5 | | Absolute | Accelerator | 73 | PR 102 1580 | Jun56 | DKE | Newson. |
| Sr | Sigma | 1.6 7 | 1.6 7 | | Absolute | Accelerator | 1 | MAZARI 58B | Feb58 | MEX | Mazari. |
| Sr | Sigma | 1.0 4 | 2.0 5 | | Absolute | Accelerator | 209 | BAP 3 164 | May58 | DKE | Bilpuch. |
| Sr | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Sr | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 241 | POSTER 67E | May67 | BNW | Poster. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Sr | Resonance Energy | 1.3 5 | 1.3 5 | | | AreaAnalysis | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| Sr | Resonance Energy | 1.3 5 | 1.3 5 | | | TimeOfFlight | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Sr | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 4 1154 | Dec66 | FEI | Salnikov,O.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sr^{84}$ | Sigma | 2.5 -2 | 2.5 -2 | | AnothA SameZ | Activation | 1 | NP 1 420 | 56 | MIL | Asdente. |
| $Sr^{84}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 2 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Sr^{84}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | 64PARIS/II- 703 | Jul64 | HUN | Gulyas. |
| $Sr^{84}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NSE 22 373 | 65 | UCB | Kramer. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Sr^{84}$ | Sigma | 1.3 7 | 2.0 7 | | $U^{238}(n,f)$ | Activation | 12 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Sr^{84}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Sr^{84}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Sr^{84}$ | Sigma | 1.3 7 | 2.0 7 | | | Activation | 10 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| $Sr^{84}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | n-WIDTH | | | | | | | | | | |
| $Sr^{84}$ | Γ(n) | 3.6 2 | 3.3 3 | | | AreaAnalysis | 10 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| $Sr^{84}$ | 2gΓ(n) | 4.9 2 | 5.2 2 | | | AreaAnalysis | 2 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| $Sr^{84}$ | Γ(n,l=0) | 3.6 2 | 3.3 3 | | | AreaAnalysis | 10 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Sr^{84}$ | Strength Fn(l=0) | 8.5 6 | 8.5 6 | C | Absolute | TimeOfFlight | 1 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sr^{85}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | CrystalScint | 4 | YF 3 598 | Apr66 | CCP | Vartanov,N.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sr^{86}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Sr^{86}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Sr^{86}$ | Sigma | 1.6 5 | 3.2 5 | | $U^{235}(n,f)$ | Activation | 4 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Sr^{86}$ | Sigma | 1.6 5 | 3.2 5 | N | $U^{235}(n,f)$ | Activation | 4 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Sr^{86}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Sr^{86}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | 64PARIS/II- 703 | Jul64 | HUN | Gulyas. |
| $Sr^{86}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NSE 22 373 | 65 | UCB | Kramer. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | | | |
| $Sr^{86}$ | Sigma | 3.0 | 4 | 1.3 | 5 | | $Ta^{181}$ | Liquid Scint | | 3 | PR 159 1007 | Jul67 | ORL | Macklin. |
| | (n,2n) REACTION | | | | | | | | | | | | | |
| $Sr^{86}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 2 | OSA 96 120 | Mar59 | IRK | Vonach,H.+ |
| $Sr^{86}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | Al(n,alpha) | Activation | * | 1 | OSA 96 120 | Mar59 | IRK | Vonach,H.+ |
| $Sr^{86}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 3 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Sr^{86}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 4 | APA 23 42 | May66 | IRK | Rieder,R.+ |
| $Sr^{86}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Sr^{86}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | * | 3 | NP A118 449 | Oct68 | TUR | Minetti,B.+ |
| $Sr^{86}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Sr^{86}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | $U^{238}$(n,f) | Activation | | 6 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Sr^{86}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Sr^{86}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Sr^{86}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | n-WIDTH | | | | | | | | | | | | | |
| $Sr^{86}$ | Γ(n) | 5.9 | 2 | 1.9 | 4 | | | AreaAnalysis | | 9 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| $Sr^{86}$ | Γ(n,l=0) | 5.9 | 2 | 1.0 | 7 | | | AreaAnalysis | | 9 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Sr^{86}$ | Resonance Energy | 3.0 | 3 | 1.1 | 4 | | | AreaAnalysis | | 3 | PR 109 926 | Feb58 | ORL | Good. |
| $Sr^{86}$ | Resonance Energy | 1.3 | 4 | 1.3 | 4 | | | AreaAnalysis | | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Sr^{86}$ | Resonance Energy | 1.3 | 4 | 1.3 | 4 | | | TimeOfFlight | | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Sr^{86}$ | Strength Fn(l=0) | 8.4 | 6 | 8.4 | 6 | C | Absolute | TimeOfFlight | | 1 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| $Sr^{86}$ | Level Spacing | 1.1 | 5 | 1.1 | 5 | | | TimeOfFlight | | 1 | AP 14 346 | 61 | DKE | Newson. |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Sr^{87}$ | Sigma | 3.0 | 4 | 1.3 | 5 | | $Ta^{181}$ | Liquid Scint | | 3 | PR 159 1007 | Jul67 | ORL | Macklin. |
| | INEL SCATTERING | | | | | | | | | | | | | |
| $Sr^{87}$ | Sigma | 2.2 | 6 | 1.5 | 7 | | | Activation | | 15 | NSE 32 195 | May68 | NDL | Temperley. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Sr^{87}$ | Sigma | 8.3 | 5 | 8.3 | 5 | | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | | | | |
| $Sr^{87}$ | Γ(γ) | 3.6 | 0 | 3.6 | 0 | | | TimeOfFlight | | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| | n-WIDTH | | | | | | | | | | | | | |
| $Sr^{87}$ | Γ(n) | 3.6 | 0 | 3.6 | 0 | | | TimeOfFlight | | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Sr^{87}$ | Γ(n) | 3.6 | 0 | 3.7 | 3 | | | AreaAnalysis | | 19 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| $Sr^{87}$ | 2gΓ(n) | 3.6 | 1 | 1.3 | 3 | | | AreaAnalysis | | 6 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| $Sr^{87}$ | Γ(n,l=0) | 3.6 | 0 | 3.7 | 3 | | | AreaAnalysis | | 19 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Sr^{87}$ | Γ | 3.6 | 0 | 3.6 | 0 | | | TimeOfFlight | | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Sr^{87}$ | Resonance Energy | 6.2 | 2 | 6.2 | 2 | | | TimeOfFlight | | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Sr^{87}$ | σ(0) | 3.6 | 0 | 3.6 | 0 | | | TimeOfFlight | | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Sr^{87}$ | Strength Fn(l=0) | 1.1 | 7 | 1.1 | 7 | C | Absolute | TimeOfFlight | | 1 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Sr^{88}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Sr^{88}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 1 | CJC 36 731 | 58 | CR | Roy.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | | |
| $Sr^{88}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li)Detect | * | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| $Sr^{88}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Ge(Li)Detect | * | 1 | ZN A 26 451 | Mar71 | MUN | Breunlich,W.+ |
| | (n,2n) REACTION | | | | | | | | | | | | | |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Sr^{88}$ | Sigma | 1.3 | 7 | 2.0 | 7 | | | Activation | * | 10 | EANDC/E- 49 4 | Oct63 | HAM | Bormann,M.+ |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | * | 1 | NP A118 449 | Oct68 | TUR | Minetti,B.+ |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Sr^{88}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | | Activation | * | 18 | NP 1 73 | 56 | UK | Cohen,A.V.+ |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Sr^{88}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Sr^{88}$ | Sigma | 8.0 | 6 | 9.4 | 6 | | $Na^{23}$ | Activation | * | 8 | EANDC/E- 89 | Feb68 | GER | Bass,R.+ |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Sr^{88}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $Sr^{88}$ | Sigma | 6.8 | 3 | 1.8 | 4 | | Absolute | TimeOfFlight | | 42 | PR 109 926 | Feb58 | ORL | Good. |
| | n-WIDTH | | | | | | | | | | | | | |
| $Sr^{88}$ | Γ(n) | 1.4 | 4 | 1.4 | 4 | | | AreaAnalysis | | 1 | PR 109 926 | Feb58 | ORL | Good. |
| $Sr^{88}$ | Γ(n) | 1.4 | 4 | 2.1 | 5 | | | AreaAnalysis | | 18 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Sr^{88}$ | Γ(n) | 1.4 | 4 | 2.1 | 5 | | | TimeOfFlight | | 18 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Sr^{88}$ | Γ(n) | 2.8 | 3 | 2.4 | 4 | | | AreaAnalysis | | 4 | EON 2 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | | | |
| $Sr^{88}$ | Γ(n,l=0) | 1.4 | 4 | 1.4 | 4 | | | AreaAnalysis | 1 | PR | 109 | 926 | Feb58 | ORL | Good. |
| $Sr^{88}$ | Γ(n,l=0) | 1.4 | 4 | 1.4 | 5 | | | AreaAnalysis | 4 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| $Sr^{88}$ | Γ(n,l=0) | 1.4 | 4 | 1.4 | 5 | | | TimeOfFlight | 5 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| $Sr^{88}$ | Γ(n,l=0) | 2.8 | 3 | 2.4 | 4 | | | AreaAnalysis | 4 | EON | 2 | 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| $Sr^{88}$ | Γ(n,l=1) | 1.8 | 4 | 2.1 | 5 | | | AreaAnalysis | 14 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| $Sr^{88}$ | Γ(n,l=1) | 1.8 | 4 | 9.6 | 7 | | | TimeOfFlight | 13 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| $Sr^{88}$ | Resonance Energy | 1.8 | 0 | 3.5 | 0 | | | | 2 | ANL-7081 | | 16 | Mar65 | ANL | Bollinger,L.M.+ |
| $Sr^{88}$ | Spin of Reson | 1.2 | 5 | 1.2 | 5 | | | AreaAnalysis | 1 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| $Sr^{88}$ | Strength Fn(l=0) | 1.1 | 5 | 1.1 | 5 | | | TimeOfFlight | 1 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| $Sr^{88}$ | Strength Fn(l=0) | 6.4 | 6 | 6.4 | 6 | C | Absolute | TimeOfFlight | 1 | EON | 2 | 183 | Apr65 | KUR | Adamchuk,Yu.V.+ |
| $Sr^{88}$ | Strength Fn(l=1) | 1.1 | 8 | 1.1 | 8 | | | TimeOfFlight | 1 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| $Sr^{88}$ | Level Spacing | 1.1 | 5 | 1.1 | 5 | | | TimeOfFlight | 2 | AP | 14 | 346 | 61 | DKE | Newson. |
| $Sr^{88}$ | Level Spacing | 1.1 | 5 | 1.1 | 5 | | | TimeOfFlight | 1 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| | (n,n'γ) REACTION | | | | | | | | | | | | | | |
| $Sr^{89}$ | Sigma | 8.3 | 5 | 1.7 | 6 | | | CrystalScint | 18 | PR | 100 | 1329 | Dec55 | BAR | Swann. |
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| $Sr^{90}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation * | 1 | OAW | 174 | 575 | Jan66 | IRK | Zeisel,G. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Y89 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| Y89 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | LYON 56 | 56 | ORL | Lyon. |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| Y89 | Sigma | 2.0 4 | 2.0 4 | | | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| Y89 | Sigma | 1.3 5 | 6.8 5 | | | Activation | 6 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Y89 | Sigma | 4.0 5 | 4.0 5 | | $U^{235}$(n,f) | Scint Tank | 1 | PR 120 556 | Oct60 | LAS | Diven. |
| Y89 | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Y89 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | PR 123 903 | Aug61 | MTR | Heath. |
| Y89 | Sigma | 1.1 7 | 4.7 7 | | | TimeOfFlight | 14 | NP 43 353 | 63 | ORL | Macklin. |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| Y89 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | NYO/GEN/72- 28 | Jan65 | COL | Lister. |
| Y89 | Sigma | 1.7 5 | 3.6 6 | | $U^{235}$(n,f) | Activation | 21 | AE 21 506 | Dec66 | OBN | Tolstikov. |
| Y89 | Sigma | 4.5 3 | 1.5 7 | | $U^{235}$(n,f) | Activation | 38 | NP A 94 157 | Mar67 | LOK | Grench. |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| Y89 | Sigma | 7.0 4 | 2.2 5 | | $Ta^{181}$ | Liquid Scint | 7 | PR 159 1007 | Jul67 | ORL | Macklin. |
| Y89 | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| Y89 | Sigma | 1.5 4 | 2.4 6 | | $U^{235}$(n,f) | Activation | 22 | JNE 22 267 | May68 | ANL | Stupegia. |
| Y89 | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| Y89 | Sigma | 1.6 5 | 1.4 6 | | $U^{235}$(n,f) | Activation * | 24 | JNE 24 181 | Jul70 | ANL | Dudey,N.D.+ |
| Y89 | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint* | 1 | NP A154 243 | Oct70 | PR | Rigaud,F.+ |
| Y89 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| Y89 | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| | γ EMISSION | | | | | | | | | | |
| Y89 | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 1 | AN.PROG.REP.63I1 | Sep63 | TNC | |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Y89 | Sigma | 2.2 6 | 2.2 6 | | Iron | TimeOfFlight | 1 | PR 112 1192 | Nov58 | BNL | Landon. |
| Y89 | Sigma | 1.4 6 | 1.4 6 | | Carbon | Diff Sig Int | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Y89 | Sigma | 3.7 6 | 4.7 6 | | H(n,n) | Diff Sig Int | 3 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Y89 | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Y89 | Sigma | 3.8 6 | 3.8 6 | | Absolute | TimeOfFlight | 1 | 65ANTWRP- 38 | Jul65 | ALD | Towle,J.H.+ |
| Y89 | Ang Distrib | 2.2 6 | 2.2 6 | | Iron | Biased Scint | 14 | PR 112 1192 | Nov58 | BNL | Landon. |
| Y89 | Ang Distrib | 1.4 6 | 1.4 6 | | Carbon | Biased Scint | 11 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Y89 | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 14 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Y89 | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 14 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Y89 | Ang Distrib | 3.8 6 | 3.8 6 | | Absolute | TimeOfFlight | 13 | 65ANTWRP- 38 | Jul65 | ALD | Towle,J.H.+ |
| Y89 | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Y89 | Ang Distrib | 7.6 6 | 7.6 6 | | | TimeOfFlight | 16 | PEREY 68C | Mar68 | ORL | Perey. |
| | INEL SCATTERING | | | | | | | | | | |
| Y89 | Sigma | 2.2 6 | 2.2 6 | | Iron | TimeOfFlight | 1 | PR 112 1192 | Nov58 | BNL | Landon. |
| Y89 | Sigma | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 1 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Y89 | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Y89 | Sigma | 3.8 6 | 3.8 6 | | | TimeOfFlight | 8 | 65ANTWRP- 38 | Jul65 | ALD | Towle,J.H.+ |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | OAW 176 227 | 68 | IRK | Bornemisza-Pauspertl |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | $Pr^{141}$ | Activation * | 1 | AHP 25 91 | Oct68 | DEB | Peto,G.+ |
| Y89 | Ang Distrib | 2.2 6 | 2.2 6 | | Iron | Biased Scint | 12 | PR 112 1192 | Nov58 | BNL | Landon. |
| Y89 | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 13 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Y89 | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 9 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Y89 | Ang Distrib | 3.8 6 | 3.8 6 | | Absolute | TimeOfFlight | 91 | 65ANTWRP- 38 | Jul65 | ALD | Towle,J.H.+ |
| Y89 | Ang Distrib | 7.6 6 | 7.6 6 | | | TimeOfFlight | 1 | PEREY 68C | Mar68 | ORL | Perey. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Y89 | Sigma | 8.3 5 | 1.7 6 | | | CrystalScint | 18 | PR 100 1329 | Dec55 | BAR | Swann. |
| Y89 | Sigma | 5.5 7 | 6.6 7 | | | TimeOfFlight | 2 | NP 43 353 | 63 | ORL | Macklin. |
| Y89 | Sigma | 9.8 5 | 3.4 6 | | Iron | $4\pi*\sigma(90°)$ | 58 | PR 129 704 | Jan63 | BAR | Shafroth. |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | PR 139B1525 | Sep65 | REN | Broadhead. |
| Y89 | Sigma | 2.8 6 | 2.8 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| Y89 | Ang Distrib | 3.5 6 | 1.5 7 | | | Ring Geomtry | 25 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Y89 | Ang Distrib | 3.0 6 | 4.5 6 | | | TimeOfFlight | 127 | PR 158 1041 | Jun67 | TNC | Buchanan,P.S.+ |
| Y89 | Ang Distrib | 1.1 6 | 4.0 6 | | | Ring Geomtry* | 144 | AWRE/O/70- 78 | Oct70 | ALD | Porter,D.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Y89 | σ(Potential) | 2.1 3 | 2.1 3 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| Y89 | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Y89 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Y89 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Proportion C | 1 | ACR 19 679 | 65 | AUL | Villain. |
| Y89 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | NYO/GEN/72- 28 | Jan65 | COL | Lister. |
| Y89 | σ(Incoherent) | 2.5 -2 | 2.5 -2 | | | | 1 | NYO/GEN/72- 28 | Jan65 | COL | Lister. |
| Y89 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | NYO/GEN/72- 28 | Jan65 | COL | Lister. |
| Y89 | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | NYO/GEN/72- 28 | Jan65 | COL | Lister. |
| Y89 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 10 787 | 57 | BNL | Prince. |
| Y89 | Scatt Amplitude | 7.3 -2 | 7.3 -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Y89 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Y89 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | KRI 7 948 | 62 | CCP | Kuz'minov. |
| Y89 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Proportion C | 1 | ACR 19 679 | 65 | AUL | Villain. |
| Y89 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 19 679 | 65 | PR | Villain. |
| Y89 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 19 679 | 65 | PAR | Villain. |
| | (n,2n) REACTION | | | | | | | | | | |
| Y89 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | OSA 96 120 | Mar59 | IRK | Vonach,H.+ |
| Y89 | Sigma | 1.2 7 | 1.5 7 | | H(n,n) | Activation | 8 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | ZET 40 743 | Mar61 | CCP | Glagolev. |
| Y89 | Sigma | 1.6 7 | 1.6 7 | | | Activation | 1 | BAP 6 506 | Dec61 | TNC | Morgan,I.L.+ |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| Y89 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | EANDC/E- 49 83 | Oct63 | PR | Granger,R.+ |
| Y89 | Sigma | 1.4 7 | 1.5 7 | | Al(n,alpha) | Activation * | 2 | APA 23 42 | May66 | IRK | Rieder,R.+ |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| Y89 | Sigma | 1.0 6 | 1.0 6 | | Metast/Grnd | Activation * | 1 | EANDC/E- 89 41 | Feb68 | MUN | Rau,G. |
| Y89 | Sigma | 1.0 6 | 1.0 6 | | $Ni^{58}$(n,p) | Activation * | 1 | RCA 13 169 | Jun70 | KJL | Steinnes,E. |
| Y89 | Sigma | 1.0 6 | 1.5 7 | | | Activation * | 2 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION | | | | | | | | | | |
| Y89 | Sigma | 9.3 6 | 1.4 7 | | H(n,n) | Activation | 5 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| Y89 | Sigma | 7.0 6 | 2.0 7 | | $U^{238}$(n,f) | Activation | 18 | JIN 23 173 | 61 | LAS | Prestwood. |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation * | 1 | NP A 91 222 | Jan67 | DEB | Csikai,J.+ |
| | (n,2p) REACTION | | | | | | | | | | |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| Y89 | Sigma | 9.3 6 | 1.4 7 | | H(n,n) | Activation | 5 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| Y89 | Sigma | 1.3 7 | 1.5 7 | | $U^{238}$(n,f) | Activation | 6 | JIN 23 173 | 61 | LAS | Prestwood. |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| Y89 | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Y89 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Y89 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Y89 | Sigma | 1.4 6 | 4.7 6 | | | Total | 4 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Y89 | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 12 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Y89 | Sigma | 5.5 4 | 3.2 6 | | Absolute | Accelerator | 86 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Y89 | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Y89 | Sigma | 6.5 3 | 2.0 4 | | Absolute | Accelerator | 25 | MARSHAK 56G | Jul56 | DKE | Marshak. |
| Y89 | Sigma | 7.0 2 | 9.0 3 | | | Proportion C | 34 | PR 105 198 | Jan57 | DKE | Newson. |
| Y89 | Sigma | 1.0 4 | 7.4 4 | | Absolute | Accelerator | 107 | PR 105 198 | Jan57 | DKE | Newson. |
| Y89 | Sigma | 2.2 3 | 1.8 4 | | Absolute | TimeOfFlight | 118 | PR 109 926 | Feb58 | ORL | Good. |
| Y89 | Sigma | 5.6 -1 | 4.2 3 | | | TimeOfFlight | 41 | PR 110 692 | May58 | BNL | Seth. |
| Y89 | Sigma | 2.0 -3 | 2.9 -1 | | Absolute | TimeOfFlight | 93 | NSE 7 193 | Feb60 | MTR | Randolf,P.D.+ |
| Y89 | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Y89 | Sigma | 6.2 -4 | 8.2 0 | | | Crystal Spec | 10 | NYO/GRN/72- 28 | Jan65 | COL | Lister. |
| Y89 | Sigma | 1.5 4 | 1.5 4 | | | Breit-Wigner | 1 | NP 62 529 | Feb65 | SAC | Le Poittevin,G.+ |
| Y89 | Sigma | 5.0 3 | 6.4 5 | | Absolute | Accelerator | 97 | PL 16 306 | Jun65 | DKE | Seth. |
| Y89 | Sigma | 1.0 5 | 6.5 5 | | Absolute | | 542 | WHALEN 66 | 66 | ANL | Whalen.+ |
| Y89 | Sigma | 2.4 6 | 1.5 7 | | Absolute | TimeOfFlight | 235 | FOSTER 67E | May67 | BNW | Foster. |
| Y89 | Sigma | 4.5 6 | 7.5 6 | | Absolute | Accelerator | 60 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Y89 | Sigma | 4.5 6 | 7.5 6 | S | Absolute | Accelerator | 60 | PR 158 1142 | Jun67 | WIS | Carlson. |
| | n-WIDTH | | | | | | | | | | |
| Y89 | $\Gamma$(n) | 2.5 3 | 1.3 4 | | | AreaAnalysis | 37 | AP 14 387 | 61 | DKE | Bilpuch. |
| Y89 | $\Gamma$(n) | 2.5 3 | 1.3 4 | | | TimeOfFlight | 37 | AP 14 387 | 61 | DKE | Bilpuch. |
| Y89 | $\Gamma$(n) | 2.6 3 | 1.1 4 | | | TimeOfFlight | 3 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| Y89 | $\Gamma$(n) | 3.4 3 | 1.5 4 | | | TimeOfFlight | 3 | EANDC/E- 49 52 | Oct63 | SAC | Bianchi,G.+ |
| Y89 | $\Gamma$(n) | 2.6 3 | 2.6 4 | | | AreaAnalysis | 10 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| Y89 | g$\Gamma$(n) | 2.6 3 | 3.0 4 | | | AreaAnalysis | 27 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| Y89 | 2g$\Gamma$(n) | 2.5 3 | 1.1 4 | | | AreaAnalysis | 3 | PR 109 926 | Feb58 | ORL | Good. |
| Y89 | $\Gamma$(n,l=0) | 2.6 3 | 1.1 4 | | | TimeOfFlight | 3 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| Y89 | $\Gamma$(n,l=0) | 3.4 3 | 1.5 4 | | | TimeOfFlight | 3 | EANDC/E- 49 52 | Oct63 | SAC | Bianchi,G.+ |
| Y89 | g$\Gamma$(n,l=0) | 2.6 3 | 3.0 4 | | | AreaAnalysis | 9 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| Y89 | 2g$\Gamma$(n,l=0) | -3.0 2 | -3.0 2 | | | Shape Analys | 1 | PR 110 692 | May58 | BNL | Seth. |
| Y89 | g$\Gamma$(n,l=1) | 2.6 3 | 3.0 4 | | | AreaAnalysis | 18 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Y89 | Resonance Energy | 1.4 4 | 1.7 4 | | | AreaAnalysis | 2 | PR 109 926 | Feb58 | ORL | Good. |
| Y89 | Resonance Energy | 3.4 3 | 2.6 4 | | | TimeOfFlight | 13 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| Y89 | Resonance Energy | 2.6 3 | 3.0 4 | | | AreaAnalysis* | 27 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| Y89 | Spin of Reson | 2.6 3 | 1.1 4 | | | TimeOfFlight | 3 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| Y89 | Spin of Reson | 2.6 3 | 3.0 4 | | | AreaAnalysis | 19 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| Y89 | n-Orbit Ang Mom | 2.6 3 | 3.0 4 | | | AreaAnalysis | 27 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| Y89 | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Y89 | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Y89 | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| Y89 | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Y89 | Strength Fn(l=1) | 3.0 4 | 3.0 4 | | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| Y89 | Level Spacing | 5.5 9 | 5.5 9 | | | TimeOfFlight | 1 | AP 14 346 | 61 | DKE | Newson. |
| Y89 | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Y89 | Level Spacing | 2.4 4 | 2.4 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| Y90 | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | JCP 23 2108 | Nov55 | MTR | Smith. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Zr | Sigma | 1.7 5 | 1.0 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Zr | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Zr | Sigma | 1.8 4 | 9.6 5 | | $U^{235}(n,f)$ | Ring Geomtry | 15 | AE 15 323 | Oct63 | CCP | Stavisskii. |
| Zr | Sigma | 1.8 4 | 9.6 5 | N | $U^{235}(n,f)$ | Ring Geomtry | 15 | AE 15 323 | Oct63 | CCP | Stavisskii. |
| Zr | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| Zr | Sigma | 1.3 2 | 3.5 4 | | | Slowing-Down | 47 | AE 19 294 | 65 | CCP | Kapchigashev. |
| Zr | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | | 1 | 68WASH- 857 | Mar68 | GA | Lopez. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Zr | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Zr | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Zr | Sigma | 3.7 6 | 3.7 6 | | | Ring Geomtry | 1 | PR 108 1028 | Nov57 | BAR | Hans,H.S |
| Zr | Sigma | 5.6 4 | 1.1 5 | | Carbon | $4\pi*\sigma(90°)$ | 16 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Zr | Sigma | 1.4 6 | 1.4 6 | | Carbon | Diff Sig Int | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Zr | Sigma | 3.7 6 | 4.7 6 | | H(n,n) | Diff Sig Int | 3 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Zr | Sigma | 3.7 6 | 3.7 6 | | | Diff Sig Int | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Zr | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 25 | NP 48 593 | 63 | ANL | Reitmann. |
| Zr | Sigma | 6.5 5 | 6.5 5 | | | Threshold C | 1 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Zr | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Zr | Sigma | 3.0 5 | 5.0 5 | | | Diff Sig Int | 2 | UPZ 9 577 | 64 | UKR | Korzh. |
| Zr | Sigma | 8.0 5 | 8.0 5 | | | Diff Sig Int | 1 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Zr | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Zr | Ang Distrib | 1.0 6 | 1.0 6 | | | Ring Geomtry | 5 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| Zr | Ang Distrib | 4.1 6 | 4.1 6 | | | Biased Scint | 8 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Zr | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 1 | PR 99 621 | Jul55 | WES | Weddell,J.B.+ |
| Zr | Ang Distrib | 2.5 6 | 7.0 6 | | | Proportion C | 31 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Zr | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 6 | PR 108 110 | Oct57 | NWU | Ahn,S.H.+ |
| Zr | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 18 | PR 108 1028 | Nov57 | BAR | Hans,H.S |
| Zr | Ang Distrib | 1.4 6 | 1.4 6 | | Carbon | Biased Scint | 11 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Zr | Ang Distrib | 3.7 6 | 4.7 6 | | H(n,n) | Biased Scint | 39 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Zr | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 15 | PR 115 1010 | Aug59 | LRL | Anderson,J.D.+ |
| Zr | Ang Distrib | 2.9 6 | 2.9 6 | | | Ring Geomtry | 11 | UPZ 5 704 | 60 | UKR | Strizhak,V.I.+ |
| Zr | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 18 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Zr | Ang Distrib | 3.4 5 | 1.2 6 | | Carbon | Biased Scint | 171 | BAP 7 334 | Apr62 | ANL | Shunk. |
| Zr | Ang Distrib | 6.5 5 | 6.5 5 | | | Threshold C | 8 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Zr | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Zr | Ang Distrib | 1.5 6 | 2.0 6 | | Absolute | CrystalScint | 38 | PR 131 1644 | Aug63 | STP | Wells. |
| Zr | Ang Distrib | 3.0 5 | 5.0 5 | | | Threshold C | 16 | UPZ 9 577 | 64 | UKR | Korzh. |
| Zr | Ang Distrib | 8.0 5 | 8.0 5 | | | Threshold C | 8 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Zr | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Zr | Ang Distrib | 5.0 6 | 5.0 6 | | σ(Total) | TimeOfFlight | 13 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| Zr | Ang Distrib | 1.4 7 | 1.4 7 | | At one Angle | PlasticScint | 12 | NP A 95 320 | Apr67 | CR | Clarke. |
| Zr | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 116 | NP 48 593 | 63 | ANL | Reitmann. |
| Zr | Polarizat n-out | 4.0 5 | 1.0 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| Zr | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Zr | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Zr | Sigma | 1.2 6 | 1.5 6 | | Carbon | TimeOfFlight | 6 | NP 48 593 | 63 | ANL | Reitmann. |
| Zr | Sigma | 1.0 6 | 1.2 6 | | | $He^3$ Spec | 2 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Zr | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 2 | PR 99 621 | Jul55 | WES | Weddell,J.B.+ |
| Zr | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Zr | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 39 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Zr | Ang Distrib | 1.4 7 | 1.4 7 | | At one Angle | PlasticScint | 15 | NP A 95 320 | Apr67 | CR | Clarke. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Zr | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 5 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Zr | Sigma | 1.0 6 | 2.3 6 | | | Ring Geomtry | 25 | PR 101 294 | Jan56 | MIT | Guernsey. |
| Zr | Sigma | 9.0 5 | 4.0 6 | | | | 176 | AP 12 485 | 61 | LAS | Lind. |
| Zr | Ang Distrib | 3.2 6 | 3.2 6 | | | CrystalScint | 5 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Zr | Ang Distrib | 1.0 6 | 3.8 6 | | | Ring Geomtry | 7 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Zr | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 2 | APSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Zr | Sigma | 6.0 4 | 1.4 6 | | Carbon | Diff Sig Int | 18 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Zr | σ(Averaged) | 2.5 -2 | 2.5 -2 | | | | 1 | AECD-2274 | 48 | ORL | Goldhaber. |
| Zr | Ang Distrib | 6.0 4 | 1.4 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Zr | σ(Potential) | 3.1 2 | 3.1 2 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| Zr | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Zr | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 83 88 | Jul51 | CR | Goldschmidt. |
| Zr | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| Zr | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Zr | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Zr | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | NSE 11 298 | Nov61 | MTR | Joki,E.G.+ |
| Zr | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Zr | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| Zr | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | BURNS 67E | May67 | ORL | Burns. |
| | (n,2n) REACTION | | | | | | | | | | |
| Zr | Sigma | 1.4 7 | 1.4 7 | | $Cf^{252}(Nu)$ | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |
| | n-EMISSION | | | | | | | | | | |
| Zr | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 2 | PR 108 110 | Oct57 | NWU | Ahn,S.H.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Zr | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| Zr | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Biased Scint | 1 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| Zr | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 8 | PR 119 1667 | Sep60 | NWU | Ahn,S.H.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | p-EMISSION | | | | | | | | | | |
| Zr | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PR 119 1667 | Sep60 | NWU | Ahn,S.H.+ |
| Zr | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 8 | PR 119 1667 | Sep60 | NWU | Ahn,S.H.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| Zr | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 7 | PR 99 331 | Jul55 | LAS | Ribe,F.L.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Zr | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,P.C.W.+ |
| Zr | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Zr | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Zr | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Zr | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Zr | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | EANDC/E- 57 171 | Feb65 | FAR | Carre,J.C. |
| Zr | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | IBK 19 421 | May68 | BKB | Kocic. |
| Zr | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Zr | Reson Integral | 5.0 -1 | 5.0 -1 | | Boron | Pile Oscilat | 1 | EANDC/E- 57 170 | Feb65 | FAR | Vidal,R. |
| Zr | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Pile Oscilat | 1 | IBK 19 421 | May68 | BKB | Kocic. |
| | ACTIVATION X-SECT | | | | | | | | | | |
| Zr | Sigma | 1.5 7 | 1.5 7 | | Pr[141] | Activation | * 1 | AHP 25 91 | Oct68 | DEB | Peto,G.+ |
| | NONELASTIC SCATT | | | | | | | | | | |
| Zr | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Zr | Sigma | 4.0 6 | 4.5 6 | | Absolute | Shell Trans | 2 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Zr | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Zr | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Zr | Sigma | 8.4 6 | 1.3 7 | | | Shell Trans | 4 | PR 110 1392 | Jun58 | LRL | Ball,W.P.+ |
| Zr | Sigma | 2.6 7 | 2.6 7 | | Absolute | Shell Trans | 1 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| Zr | Sigma | 1.4 6 | 4.7 6 | | | Total | 4 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| Zr | Sigma | 3.7 6 | 3.7 6 | | | Total | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Zr | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 17 | PR 108 110 | Oct57 | NWU | Ahn,S.H.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Zr | Sigma | 1.8 4 | 1.6 6 | | Absolute | Accelerator | 43 | PR 76 277 | Jul49 | WIS | Rockelman. |
| Zr | Sigma | 1.5 -1 | 8.0 0 | | Absolute | TimeOfFlight | 16 | EGELSTAFF 50L | Dec50 | HAR | Egelstaff. |
| Zr | Sigma | 1.4 7 | 1.4 7 | | | Accelerator | 1 | PR 81 139 | Jan51 | CAR | Lasday. |
| Zr | Sigma | 1.0 6 | 3.2 6 | | Absolute | Accelerator | 14 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Zr | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Zr | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Zr | Sigma | 2.9 6 | 1.3 7 | | Absolute | Ion Chamber | 36 | PR 89 775 | Feb53 | LAS | Nereson. |
| Zr | Sigma | 1.9 7 | 1.9 7 | | Absolute | Biased Scint | 1 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| Zr | Sigma | 8.5 2 | 9.6 3 | | Absolute | Accelerator | 22 | HIBDON 54B | Feb54 | ANL | Hibdon. |
| Zr | Sigma | 1.7 2 | 5.6 2 | | Absolute | TimeOfFlight | 27 | CARTER 55D | Apr55 | BNL | Carter. |
| Zr | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Zr | Sigma | 3.8 -4 | 3.1 -3 | | Absolute | TimeOfFlight | 45 | PR 99 611 | Jul55 | BNL | Palevsky. |
| Zr | Sigma | 4.2 3 | 8.0 4 | | Absolute | Accelerator | 69 | PR 102 1580 | Jun56 | DKE | Newson. |
| Zr | Sigma | 7.2 6 | 1.5 7 | S | Absolute | Biased Scint | 4 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Zr | Sigma | 1.2 4 | 2.5 5 | | Absolute | Accelerator | 49 | SETH 58 | 58 | DKE | Seth. |
| Zr | Sigma | 1.6 7 | 1.6 7 | | Absolute | Accelerator | 1 | MAZARI 58B | Feb58 | MEX | Mazari. |
| Zr | Sigma | 5.8 1 | 5.7 2 | | | TimeOfFlight | 39 | PR 110 692 | May58 | BNL | Seth. |
| Zr | Sigma | 7.0 6 | 1.5 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Zr | Sigma | 2.1 6 | 3.1 6 | | Absolute | Accelerator | 17 | ASS 74 64 | 60 | LVN | |
| Zr | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Zr | Sigma | 2.0 -2 | 7.8 1 | | Absolute | Crystal Spec | 529 | NSE 11 298 | Nov61 | MTR | Joki,E.G.+ |
| Zr | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Zr | Sigma | 2.8 2 | 4.2 3 | | Absolute | TimeOfFlight | 985 | CORGE 62K | Nov62 | SAC | Corge. |
| Zr | Sigma | 6.0 3 | 6.4 5 | | Absolute | Accelerator | 70 | PL 16 306 | Jun65 | DKE | Seth. |
| Zr | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 239 | FOSTER 67E | May67 | BNW | Foster. |
| Zr | Sigma | 4.5 6 | 7.5 6 | | Absolute | Accelerator | 60 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Zr | Sigma | 4.5 6 | 7.5 6 | S | Absolute | Accelerator | 60 | PR 158 1142 | Jun67 | WIS | Carlson. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Zr | Spin of Reson | 2.9 2 | 1.5 3 | | | AreaAnalysis | 3 | 68WASH- 857 | Mar68 | GA | Lopez. |
| | AVERAGED PARAM | | | | | | | | | | |
| Zr | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Zr | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Zr | Level Spacing | 0.0 | 0.0 | | | AreaAnalysis | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Zr | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | FRI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Zr^{90}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | BAP 8 81 | Jan63 | ORL | Macklin,R.L.+ |
| $Zr^{90}$ | Sigma | 9.1 2 | 5.0 4 | | | Slowing-Down | 20 | AE 19 294 | 65 | CCP | Kapchigashev. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Zr^{90}$ | Sigma | 2.0 6 | 4.3 6 | | | CrystalScint | 58 | PR 98 1172 | May55 | ORL | Campbell. |
| $Zr^{90}$ | Sigma | 1.7 6 | 4.0 6 | | | | 93 | AP 12 485 | 61 | LAS | Lind. |
| $Zr^{90}$ | Sigma | 2.1 6 | 3.7 6 | | | $4\pi j^* \sigma(90°)$ | 28 | DAY 61 | 61 | LAS | Day. |
| $Zr^{90}$ | Sigma | 2.3 6 | 5.0 6 | | | | 28 | PR 130 1926 | Jun63 | LAS | Wagner. |
| $Zr^{90}$ | Sigma | 1.8 6 | 1.8 6 | S | | Crystal Spec | 1 | MEYERHOF 63J | Oct63 | STF | Meyerhof. |
| $Zr^{90}$ | Sigma | 1.8 6 | 2.1 6 | | Absolute | CrystalScint | 28 | PR 137B1181 | Mar65 | STF | Tucker. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Zr^{90}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Zr^{90}$ | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 3 | REED 60R | Feb60 | LAS | Reed. |
| $Zr^{90}$ | Sigma | 1.2 7 | 2.0 7 | | $U^{238}(n,f)$ | Activation | 15 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Zr^{90}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Zr^{90}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | * 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Zr^{90}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 2 | PR 131 2649 | Sep63 | ARK | Pramlitt. |
| $Zr^{90}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 49 510 | Dec63 | IND | Mangal,S.K.+ |
| $Zr^{90}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | 1 | NP 49 510 | Dec63 | MUA | Mangal,S.K.+ |
| $Zr^{90}$ | Sigma | 1.4 7 | 1.5 7 | | Al(n,alpha) | Activation | * 4 | APA 23 42 | May66 | TRK | Rieder,R.+ |
| $Zr^{90}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | * 1 | AHP 23 87 | May67 | DEB | Csikai. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | | | | |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | * | 3 | NP A118 449 | Oct68 | TUR | Minetti,B.+ |
| $Zr^{90}$ | Sigma | 1.4 | 7 | 1.8 | 7 | | Grnd/Metast | Activation | * | 13 | NP A132 42 | Jul69 | WWA | Abboud,A.+ |
| $Zr^{90}$ | Sigma | 1.4 | 7 | 1.8 | 7 | | $Cu^{63}$(n,2n) | Activation | * | 13 | NP A132 42 | Jul69 | WWA | Abboud,A.+ |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 2 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| $Zr^{90}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | | 6 | EANDC/J- 22 32 | Aug71 | KYU | Kanda,W.+ |
| $Zr^{90}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Metast/Grnd | Activation | | 7 | EANDC/J- 22 32 | Aug71 | KYU | Kanda,W.+ |
| $Zr^{90}$ | Sigma | 1.3 | 7 | 1.5 | 7 | C | Metast/Grnd | Activation | | 6 | EANDC/J- 22 32 | Aug71 | KYU | Kanda,W.+ |
| $Zr^{90}$ | Sigma | 1.0 | 6 | 1.5 | 7 | | | Activation | * | 2 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Zr^{90}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | | 1 | REED 60B | Feb60 | LAS | Reed. |
| $Zr^{90}$ | Sigma | 8.0 | 6 | 2.0 | 7 | | $U^{238}$(n,f) | Activation | | 17 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 1 | PR 123 1365 | Aug61 | RED | Alford. |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| $Zr^{90}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Zr^{90}$ | Sigma | 3.5 | 6 | 1.5 | 7 | | Absolute | Activation | | 11 | NSE 25 285 | Jul66 | BET | Carroll. |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Zr^{90}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | | CrystalScint | | 2 | PR 99 330 | Jul55 | LAS | Brolley,J.E.+ |
| $Zr^{90}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | | 1 | PR 100 429 | Oct55 | ORL | Blosser. |
| $Zr^{90}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | | 1 | REED 60B | Feb60 | LAS | Reed. |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Zr^{90}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| $Zr^{90}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | | 1 | VESELIC 67P | Jun67 | RBZ | Veselic. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Zr^{90}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | $\gamma$-WIDTH | | | | | | | | | | | | | |
| $Zr^{90}$ | $g\Gamma(\gamma)\Gamma(n)/\Gamma$ | 3.8 | 3 | 1.7 | 4 | | | AreaAnalysis | | 10 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| | n-WIDTH | | | | | | | | | | | | | |
| $Zr^{90}$ | $\Gamma(n)$ | 1.8 | 4 | 1.8 | 4 | | | AreaAnalysis | | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{90}$ | $\Gamma(n)$ | 3.9 | 3 | 1.3 | 4 | | | TimeOfFlight | | 2 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{90}$ | $\Gamma(n)$ | 3.9 | 3 | 1.8 | 4 | | | AreaAnalysis | | 4 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{90}$ | $\Gamma(n)$ | 3.8 | 3 | 6.8 | 4 | | | AreaAnalysis | | 13 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{90}$ | $2g\Gamma(n)$ | 3.8 | 6 | 3.8 | 6 | | | TimeOfFlight | | 1 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{90}$ | $\Gamma(n,l=0)$ | 3.8 | 0 | 4.3 | 1 | | | TimeOfFlight | | 8 | BAP 8 556 | 63 | ORL | Block. |
| $Zr^{90}$ | $\Gamma(n,l=0)$ | 1.8 | 4 | 1.8 | 4 | | | AreaAnalysis | | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{90}$ | $\Gamma(n,l=0)$ | 3.9 | 3 | 1.3 | 4 | | | TimeOfFlight | | 2 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{90}$ | $\Gamma(n,l=0)$ | 3.8 | 3 | 6.8 | 4 | | | AreaAnalysis | | 13 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Zr^{90}$ | $\Gamma$ | 3.8 | 0 | 4.3 | 1 | | | TimeOfFlight | | 8 | BAP 8 556 | 63 | ORL | Block. |
| $Zr^{90}$ | $\Gamma$ | 4.0 | 1 | 4.0 | 1 | | | TimeOfFlight | | 1 | GOOD 64A | Jan64 | ORL | Good.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Zr^{90}$ | Resonance Energy | 1.9 | 4 | 3.4 | 4 | | | TimeOfFlight | | 2 | BAP 8 556 | 63 | ORL | Block. |
| $Zr^{90}$ | Resonance Energy | 1.9 | 4 | 4.1 | 4 | | | AreaAnalysis | | 6 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| $Zr^{90}$ | Spin of Reson | 1.8 | 4 | 1.8 | 4 | | | AreaAnalysis | | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{90}$ | Spin of Reson | 3.9 | 3 | 1.3 | 4 | | | TimeOfFlight | | 2 | ORNL-3425 32 | Jan63 | ORL | Block. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Zr^{90}$ | Strength Fn(l=0) | 1.1 | 4 | 1.1 | 4 | | $\sigma$(Total) | AreaAnalysis | | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{90}$ | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Zr^{90}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | | 1 | YP 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Zr^{90}$ | Strength Fn(l=0) | 1.4 | 4 | 4.9 | 4 | | | | | 2 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{90}$ | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Zr^{90}$ | Level Spacing | 1.1 | 4 | 1.1 | 4 | | | AreaAnalysis | | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{90}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | | 1 | YP 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Zr^{90}$ | Level Spacing | 3.5 | 4 | 3.5 | 4 | | | | | 1 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | | |
| $Zr^{91}$ | Sigma | 3.0 | 4 | 3.0 | 4 | | | Moxon-Rae C | | 1 | BAP 8 81 | Jan63 | ORL | Macklin,R.L.+ |
| $Zr^{91}$ | Sigma | 2.7 | 1 | 5.8 | 4 | | | Slowing-Down | | 59 | AE 19 294 | 65 | CCP | Kapchigashev. |
| | (n,n'$\gamma$) REACTION | | | | | | | | | | | | | |
| $Zr^{91}$ | Sigma | 1.2 | 6 | 2.8 | 6 | | | $4\pi*\sigma(90^{o})$ | | 45 | DAY 61 | 61 | LAS | Day. |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Zr^{91}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | | 3 | REED 60B | Feb60 | LAS | Reed. |
| $Zr^{91}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Zr^{91}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Zr^{91}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Zr^{91}$ | Sigma | 4.3 | 6 | 6.0 | 6 | | Absolute | Activation | | 4 | NSE 25 285 | Jul66 | BET | Carroll. |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Zr^{91}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | | 1 | VESELIC 67P | Jun67 | RBZ | Veselic. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Zr^{91}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Zr^{91}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,$\gamma$) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Zr^{91}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | | | 2 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | $\gamma$-WIDTH | | | | | | | | | | | | | |
| $Zr^{91}$ | $\Gamma(\gamma)$ | 1.8 | 2 | 2.4 | 2 | | | TimeOfFlight | | 2 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{91}$ | $\Gamma(\gamma)$ | 2.9 | 2 | 2.9 | 2 | | | Thick+Thin T | | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{91}$ | $\Gamma(\gamma)$ | 1.8 | 2 | 6.8 | 2 | | | AreaAnalysis | | 4 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{91}$ | $\Gamma(\gamma)$ | 1.8 | 2 | 8.9 | 2 | | | Shape Analys | | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH (CONTINUED) | | | | | | | | | | | |
| $Zr^{91}$ | Γ(γ) | 2.9 | 2 | 1.5 | 3 | | AreaAnalysis | 3 | 68WASH- 857 | Mar68 | GA | Lopez. |
| $Zr^{91}$ | 2gΓ(γ) | 2.0 | 3 | 3.7 | 3 | | AreaAnalysis | 4 | 68WASH- 857 | Mar68 | GA | Lopez. |
| $Zr^{91}$ | gΓ(γ)Γ(n)/Γ | 1.8 | 2 | 4.3 | 3 | | AreaAnalysis | 20 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| | n-WIDTH | | | | | | | | | | | |
| $Zr^{91}$ | Γ(n) | 1.8 | 2 | 5.6 | 3 | | AreaAnalysis | 11 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{91}$ | Γ(n) | 2.9 | 2 | 1.5 | 3 | | AreaAnalysis | 3 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{91}$ | Γ(n) | 2.9 | 2 | 6.8 | 2 | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Zr^{91}$ | Γ(n) | 2.9 | 2 | 1.5 | 3 | | AreaAnalysis | 2 | 68WASH- 857 | Mar68 | GA | Lopez. |
| $Zr^{91}$ | gΓ(n) | 1.8 | 2 | 2.0 | 3 | | AreaAnalysis | 10 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{91}$ | gΓ(n) | 1.8 | 2 | 8.9 | 2 | | Shape Analys | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Zr^{91}$ | 2gΓ(n) | 3.0 | 2 | 3.0 | 2 | | AreaAnalysis | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Zr^{91}$ | 2gΓ(n) | 3.0 | 2 | 3.0 | 2 | | AreaAnalysis | 1 | HARVEY 59 | 59 | ORL | Harvey. |
| $Zr^{91}$ | 2gΓ(n) | 1.8 | 2 | 2.5 | 3 | | AreaAnalysis | 5 | BAP 6 69 | 61 | CR | |
| $Zr^{91}$ | 2gΓ(n) | 1.8 | 2 | 2.4 | 3 | | TimeOfFlight | 10 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{91}$ | 2gΓ(n) | 5.6 | 3 | 5.6 | 3 | | AreaAnalysis | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{91}$ | 2gΓ(n) | 1.8 | 2 | 2.7 | 3 | | TimeOfFlight | 10 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{91}$ | 2gΓ(n) | 2.4 | 2 | 1.7 | 3 | | AreaAnalysis | 9 | 68WASH- 857 | Mar68 | GA | Lopez. |
| $Zr^{91}$ | gΓ(n,l=0) | 1.8 | 2 | 1.5 | 3 | | AreaAnalysis | 4 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{91}$ | 2gΓ(n,l=0) | 1.8 | 2 | 2.4 | 3 | | TimeOfFlight | 10 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{91}$ | 2gΓ(n,l=0) | 2.7 | 3 | 2.7 | 3 | | AreaAnalysis | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{91}$ | 2gΓ(n,l=0) | 2.9 | 2 | 1.5 | 3 | | TimeOfFlight | 3 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{91}$ | gΓ(n,l=1) | 2.4 | 2 | 2.0 | 3 | | AreaAnalysis | 5 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Zr^{91}$ | Γ | 3.0 | 2 | 3.0 | 2 | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Zr^{91}$ | Γ | 6.8 | 2 | 6.8 | 2 | | AreaAnalysis | 1 | BAP 6 69 | 61 | CR | |
| $Zr^{91}$ | Γ | 1.8 | 2 | 1.6 | 3 | | TimeOfFlight | 6 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{91}$ | Γ | 1.8 | 2 | 2.0 | 3 | | AreaAnalysis | 8 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{91}$ | Γ | 1.8 | 2 | 8.9 | 2 | | Shape Analys | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESCN PARAM | | | | | | | | | | | |
| $Zr^{91}$ | Resonance Energy | 1.8 | 2 | 2.0 | 3 | | AreaAnalysis* | 10 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{91}$ | Resonance Energy | 1.8 | 2 | 8.9 | 2 | | Shape Analys* | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Zr^{91}$ | Resonance Energy | 1.6 | 2 | 3.9 | 3 | | | 7 | 68WASH- 857 | Mar68 | GA | Lopez. |
| $Zr^{91}$ | Resonance Energy | 4.3 | 3 | 1.1 | 4 | | AreaAnalysis | 22 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| $Zr^{91}$ | Spin of Reson | 2.9 | 2 | 1.5 | 3 | | TimeOfFlight | 3 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{91}$ | Spin of Reson | 2.7 | 3 | 2.7 | 3 | | AreaAnalysis | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{91}$ | Spin of Reson | 2.9 | 2 | 1.5 | 3 | | TimeOfFlight | 3 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{91}$ | Spin of Reson | 2.7 | 3 | 2.7 | 3 | | TimeOfFlight | 1 | BLOCK 64A | Jan64 | ORL | Block. |
| $Zr^{91}$ | Spin of Reson | 2.9 | 2 | 1.5 | 3 | | AreaAnalysis | 3 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{91}$ | Spin of Reson | 2.9 | 2 | 6.8 | 2 | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Zr^{91}$ | n-Orbit Ang Mom | 1.8 | 2 | 2.0 | 3 | | AreaAnalysis | 9 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{91}$ | n-Orbit Ang Mom | 1.8 | 2 | 8.9 | 2 | | Shape Analys | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Zr^{91}$ | Strength Fn(l=0) | 2.9 | 3 | 2.9 | 3 | σ(Total) | AreaAnalysis | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{91}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Zr^{91}$ | Strength Fn(l=0) | 2.0 | 3 | 2.0 | 3 | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| $Zr^{91}$ | Strength Fn(l=1) | 2.0 | 3 | 2.0 | 3 | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| $Zr^{91}$ | Level Spacing | 2.9 | 3 | 2.9 | 3 | | AreaAnalysis | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{91}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Zr^{92}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Zr^{92}$ | Sigma | 3.0 | 4 | 3.0 | 4 | | Moxon-Rae C | 1 | BAP 8 81 | Jan63 | ORL | Macklin,R.L.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Zr^{92}$ | Sigma | 9.5 | 5 | 3.1 | 6 | | 4Pi*σ(90°) | 109 | DAY 61 | 61 | LAS | Day. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Zr^{92}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | CrystalScint | 1 | REED 60B | Feb60 | LAS | Reed. |
| $Zr^{92}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Zr^{92}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Zr^{92}$ | Sigma | 1.5 | 7 | 1.5 | 7 | $Cu^{63}(n,2n)$ | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| $Zr^{92}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Zr^{92}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Zr^{92}$ | Sigma | 6.0 | 6 | 6.0 | 6 | Absolute | Activation | 1 | NSE 25 285 | Jul66 | BRT | Carroll. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Zr^{92}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | CrystalScint | 1 | REED 60B | Feb60 | LAS | Reed. |
| $Zr^{92}$ | Sigma | 1.3 | 7 | 2.0 | 7 | $U^{238}(n,f)$ | Activation | 9 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Zr^{92}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Zr^{92}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | 1 | VESELIC 67P | Jun67 | RBZ | Veselic. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Zr^{92}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | | |
| $Zr^{92}$ | gΓ(γ)Γ(n)/Γ | 2.0 | 3 | 9.7 | 3 | | AreaAnalysis | 10 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| | n-WIDTH | | | | | | | | | | | |
| $Zr^{92}$ | Γ(n) | 6.9 | 3 | 6.9 | 3 | | AreaAnalysis | 1 | BAP 6 69 | 61 | CR | |
| $Zr^{92}$ | Γ(n) | 2.0 | 3 | 4.7 | 3 | | AreaAnalysis | 2 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{92}$ | Γ(n) | 2.7 | 3 | 4.7 | 4 | | TimeOfFlight | 4 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{92}$ | Γ(n) | 1.9 | 3 | 6.9 | 3 | | AreaAnalysis | 5 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{92}$ | Γ(n) | 2.7 | 3 | 4.7 | 4 | | AreaAnalysis | 12 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{92}$ | 2gΓ(n) | 2.7 | 6 | 2.7 | 6 | | TimeOfFlight | 1 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{92}$ | Γ(n,l=0) | 2.7 | 0 | 6.9 | 0 | | TimeOfFlight | 8 | BAP 8 556 | 63 | ORL | Block. |
| $Zr^{92}$ | Γ(n,l=0) | 4.7 | 3 | 4.7 | 3 | | AreaAnalysis | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{92}$ | Γ(n,l=0) | 2.7 | 3 | 6.9 | 3 | | TimeOfFlight | 2 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{92}$ | Γ(n,l=0) | 2.7 | 3 | 4.7 | 4 | | AreaAnalysis | 12 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Zr^{92}$ | Γ | 2.7 | 0 | 6.9 | 0 | | | TimeOfFlight | 8 | BAP 8 556 | 63 | ORL | Block. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Zr^{92}$ | Resonance Energy | 2.7 | 4 | 5.2 | 4 | | | AreaAnalysis | 3 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{92}$ | Resonance Energy | 1.2 | 4 | 3.9 | 4 | | | AreaAnalysis | 16 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| $Zr^{92}$ | Spin of Reson | 4.7 | 3 | 4.7 | 3 | | | AreaAnalysis | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{92}$ | Spin of Reson | 2.7 | 3 | 6.9 | 3 | | | TimeOfFlight | 2 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{92}$ | Spin of Reson | 2.3 | 6 | 2.3 | 6 | C | | CaptureGamma | 1 | NP 50 209 | Jan64 | CRC | Bartholomew,G. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Zr^{92}$ | Strength Fn(l=0) | 1.2 | 3 | 1.2 | 3 | | σ(Total) | AreaAnalysis | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{92}$ | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Zr^{92}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Zr^{92}$ | Strength Fn(l=0) | 6.0 | 3 | 3.2 | 4 | | | | 2 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{92}$ | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Zr^{92}$ | Level Spacing | 4.4 | 3 | 4.4 | 3 | | | AreaAnalysis | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{92}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Zr^{92}$ | Level Spacing | 2.6 | 4 | 2.6 | 4 | | | | 1 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Zr^{93}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pile Oscilat | 1 | ORNL-1879 50 | 55 | ORL | Pomerance. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Zr^{94}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Zr^{94}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Ion Chamber | 1 | 55CLEVE-203 | Dec55 | ORL | Brooksbank. |
| $Zr^{94}$ | Sigma | 2.4 | 4 | 2.4 | 4 | S | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Zr^{94}$ | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Zr^{94}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Zr^{94}$ | Sigma | 3.0 | 4 | 3.0 | 4 | | | Moxon-Rae C | 1 | BAP 8 81 | Jan63 | ORL | Macklin,R.L.+ |
| $Zr^{94}$ | Sigma | 1.5 | 3 | 6.0 | 4 | | | Slowing-Down | 15 | AE 19 294 | 65 | CCP | Kapchigashev. |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Zr^{94}$ | Sigma | 9.4 | 5 | 3.1 | 6 | | | 4Pi*σ(90°) | 123 | DAY 61 | 61 | LAS | Day. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Zr^{94}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | REED 60B | Feb60 | LAS | Reed. |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| $Zr^{94}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Zr^{94}$ | Sigma | 6.0 | 6 | 6.0 | 6 | | Absolute | Activation | 1 | NSE 25 285 | Jul66 | BET | Carroll. |
| | (n,d) REACTION | | | | | | | | | | | | |
| $Zr^{94}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | REED 60B | Feb60 | LAS | Reed. |
| | (n,$He^3$) REACTION | | | | | | | | | | | | |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Zr^{94}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | | CrystalScint | 2 | PR 99 330 | Jul55 | LAS | Brolley,J.E.+ |
| $Zr^{94}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 1 | PR 100 429 | Oct55 | ORL | Blosser. |
| $Zr^{94}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | REED 60B | Feb60 | LAS | Reed. |
| $Zr^{94}$ | Sigma | 1.2 | 7 | 2.0 | 7 | | $U^{238}$(n,f) | Activation | 13 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| $Zr^{94}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Zr^{94}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Zr^{94}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Zr^{94}$ | gΓ(γ)Γ(n)/Γ | 2.2 | 3 | 2.0 | 4 | | | AreaAnalysis | 14 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| | n-WIDTH | | | | | | | | | | | | |
| $Zr^{94}$ | Γ(n) | 1.3 | 4 | 2.0 | 4 | | | AreaAnalysis | 2 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{94}$ | Γ(n) | 2.2 | 3 | 2.4 | 4 | | | TimeOfFlight | 5 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{94}$ | Γ(n) | 2.3 | 3 | 2.0 | 4 | | | AreaAnalysis | 5 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{94}$ | Γ(n) | 5.7 | 3 | 4.2 | 4 | | | AreaAnalysis | 19 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{94}$ | Γ(n,l=0) | 5.7 | 0 | 1.9 | 1 | | | TimeOfFlight | 4 | BAP 8 556 | 63 | ORL | Block. |
| $Zr^{94}$ | Γ(n,l=0) | 7.1 | 3 | 7.1 | 3 | | | TimeOfFlight | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{94}$ | Γ(n,l=0) | 5.7 | 3 | 4.2 | 4 | | | AreaAnalysis | 19 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Zr^{94}$ | Γ | 5.7 | 0 | 1.9 | 1 | | | TimeOfFlight | 4 | BAP 8 556 | 63 | ORL | Block. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Zr^{94}$ | Resonance Energy | 2.2 | 4 | 4.4 | 4 | | | AreaAnalysis | 3 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{94}$ | Resonance Energy | 2.2 | 4 | 2.7 | 4 | | | AreaAnalysis | 6 | RPI/328- 142 (2) | Sep68 | RPI | Bartolome. |
| $Zr^{94}$ | Spin of Reson | 7.1 | 3 | 7.1 | 3 | | | TimeOfFlight | 1 | ORNL-3425 32 | Jan63 | ORL | Block. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Zr^{94}$ | Strength Fn(l=0) | 1.1 | 4 | 1.1 | 4 | | σ(Total) | AreaAnalysis | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{94}$ | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Zr^{94}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Zr^{94}$ | Strength Fn(l=0) | 1.0 | 4 | 3.2 | 4 | | | | 2 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{94}$ | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Zr^{94}$ | Level Spacing | 1.1 | 4 | 1.1 | 4 | | | AreaAnalysis | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{94}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Zr^{94}$ | Level Spacing | 2.2 | 4 | 2.2 | 4 | | | | 1 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Zr^{96}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Zr^{96}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Ion Chamber | 1 | 55CLEVE-203 | Dec55 | ORL | Brooksbank. |
| $Zr^{96}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Zr^{96}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Zr^{96}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Zr^{96}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | BAP 8 81 | Jan63 | ORL | Macklin,R.L.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Zr^{96}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Zr^{96}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | | 2 | JIN 22 1 | 61 | ALD | Wallis. |
| | (n,np)+(n,d) REACT | | | | | | | | | | |
| $Zr^{96}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | 63BOMBAY-240 | Feb63 | SAH | Ganguly. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Zr^{96}$ | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | REED 60B | Feb60 | LAS | Reed. |
| $Zr^{96}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Zr^{96}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| $Zr^{96}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Zr^{96}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,n alpha) REACT | | | | | | | | | | |
| $Zr^{96}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Zr^{96}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | |
| $Zr^{96}$ | Γ(γ) | 3.0 2 | 3.0 2 | | | TimeOfFlight | 1 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{96}$ | Γ(γ) | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | n-WIDTH | | | | | | | | | | |
| $Zr^{96}$ | Γ(n) | 3.0 2 | 1.5 4 | | | | 7 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{96}$ | Γ(n) | 3.0 2 | 5.5 3 | | | AreaAnalysis | 5 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{96}$ | Γ(n) | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{96}$ | Γ(n) | 2.7 3 | 5.8 4 | | | AreaAnalysis | 19 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{96}$ | gΓ(n) | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{96}$ | 2gΓ(n) | 3.0 2 | 3.0 2 | | | TimeOfFlight | 1 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{96}$ | Γ(n,l=0) | 3.8 0 | 5.9 0 | | | | 5 | BAP 8 556 | 63 | ORL | Block. |
| $Zr^{96}$ | Γ(n,l=0) | 3.0 2 | 1.5 4 | | | | 7 | ORNL-3425 32 | Jan63 | ORL | Block. |
| $Zr^{96}$ | Γ(n,l=0) | 2.7 3 | 5.8 4 | | | AreaAnalysis | 19 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{96}$ | gΓ(n,l=0) | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{96}$ | 2gΓ(n,l=0) | 3.0 2 | 3.0 2 | | | TimeOfFlight | 1 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Zr^{96}$ | Γ | 3.0 2 | 3.0 2 | | | TimeOfFlight | 1 | CR 254 4009 | Jun62 | SAC | Julien,J.+ |
| $Zr^{96}$ | Γ | 3.8 0 | 5.9 0 | | | | 5 | BAP 8 556 | 63 | ORL | Block. |
| $Zr^{96}$ | Γ | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Zr^{96}$ | Resonance Energy | 3.0 2 | 3.0 2 | | | AreaAnalysis* | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{96}$ | Resonance Energy | 9.0 3 | 1.8 4 | | | AreaAnalysis | 3 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{96}$ | Spin of Reson | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Zr^{96}$ | n-Orbit Ang Mom | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Zr^{96}$ | Strength Fn(l=0) | 1.0 3 | 1.0 3 | | σ(Total) | AreaAnalysis | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{96}$ | Strength Fn(l=0) | 2.9 3 | 3.2 4 | | | | 2 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| $Zr^{96}$ | Level Spacing | 2.9 3 | 2.9 3 | | | AreaAnalysis | 1 | NP 53 667 | May64 | KUR | Moskalev,S.S.+ |
| $Zr^{96}$ | Level Spacing | 2.9 3 | 2.9 3 | | | | 1 | PR 165 1329 | Jan68 | ORL | Good,W.M.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Zrmix | Sigma | 9.5 5 | 5.5 6 | | | 4Pi*σ(90°) | 15 | AEC/U-3387 115 | Nov56 | WES | Griffith,G.L. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Activation | 1 | CP-2376 | Nov44 | ANL | Seren. |
| $Nb^{93}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Nb^{93}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Nb^{93}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Nb^{93}$ | Sigma | 1.7 5 | 1.0 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| $Nb^{93}$ | Sigma | 7.0 4 | 1.4 6 | | $I^{127}$ | Activation | 16 | AE 9 401 | Nov60 | CCP | Stavisskii. |
| $Nb^{93}$ | Sigma | 7.0 4 | 1.4 6 | N | $I^{127}$ | Activation | 16 | AE 9 401 | Nov60 | CCP | Stavisskii. |
| $Nb^{93}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | IDO-16760 13 | 61 | MTR | Schuman. |
| $Nb^{93}$ | Sigma | 2.0 4 | 9.6 5 | | $U^{235}(n,f)$ | Ring Geomtry | 13 | AE 10 264 | Mar61 | CCP | Stavisskii. |
| $Nb^{93}$ | Sigma | 2.0 4 | 9.6 5 | N | $U^{235}(n,f)$ | Ring Geomtry | 13 | AE 10 264 | Mar61 | CCP | Stavisskii. |
| $Nb^{93}$ | Sigma | 7.5 3 | 1.7 5 | | Indium | Scint Tank | 51 | PR 122 182 | Apr61 | ORL | Gibbons. |
| $Nb^{93}$ | Sigma | 1.5 1 | 5.6 4 | | | Slowing-Down | 83 | ZET 42 988 | 62 | LEB | Popov. |
| $Nb^{93}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | JIN 24 1321 | Dec62 | ARK | Bramlitt. |
| $Nb^{93}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Nb^{93}$ | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| $Nb^{93}$ | Sigma | 1.2 4 | 1.6 5 | N | Au(n,γ) | Scint Tank | 70 | 66PARIS/I- 513 | Oct66 | KPK | Kompe,D. |
| $Nb^{93}$ | Sigma | 7.0 4 | 1.8 5 | | $Ta^{181}$ | Liquid Scint | 6 | PR 159 1007 | Jul67 | ORL | Macklin. |
| $Nb^{93}$ | Sigma | 1.1 4 | 1.6 5 | | Au(n,γ) | Scint Tank | 71 | KPK- 635 | Oct67 | KPK | Poenitz,W.P.+ |
| $Nb^{93}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint* | 1 | NP A173 551 | Oct71 | PR | Rigaud,F.+ |
| $Nb^{93}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | Activation | 1 | IDO-16760 13 | 61 | MTR | Schuman. |
| $Nb^{93}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| $Nb^{93}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| | γ,EMISSION | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.0 6 | 4.2 6 | | | Ge(Li)Detect | 51 | ORO/2791-26 | Aug67 | TNC | |
| $Nb^{93}$ | Sigma | 4.2 6 | 4.2 6 | | | Ge(Li)Detect | 1 | ORO/2791-26 (1) | Aug67 | TNC | |
| $Nb^{93}$ | Sigma | 6.0 6 | 6.0 6 | | | γ-Spectromet | 4 | NSE 40 294 | May70 | LAS | Drake. |
| $Nb^{93}$ | Ang Distrib | 1.0 6 | 4.2 6 | | | Ge(Li)Detect | 52 | ORO/2791-26 | Aug67 | TNC | |
| $Nb^{93}$ | Ang Distrib | 4.0 6 | 7.7 6 | | | γ-Spectromet | 11 | NSE 40 294 | May70 | LAS | Drake. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Nb^{93}$ | Sigma | 5.6 4 | 9.7 4 | | Carbon | $4Pi*\sigma(90°)$ | 12 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| $Nb^{93}$ | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 25 | NP 48 593 | 63 | ANL | Reitmann. |
| $Nb^{93}$ | Sigma | 4.0 6 | 4.0 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| $Nb^{93}$ | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| $Nb^{93}$ | Sigma | 3.2 5 | 1.4 6 | | Carbon | TimeOfFlight | 33 | SMITH 66L | Dec66 | ANL | Smith. |
| $Nb^{93}$ | Sigma | 8.0 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 1 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| $Nb^{93}$ | Sigma | 1.5 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 8 | AWRE/O/71- 66 | Nov71 | ALD | Coles,R.E. |
| $Nb^{93}$ | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Nb^{93}$ | Ang Distrib | 5.0 6 | 5.0 6 | | H(n,n) | Biased Scint | 7 | THOMSON 60G | Jul60 | LAS | Thomson. |
| $Nb^{93}$ | Ang Distrib | 3.4 5 | 1.2 6 | | Carbon | Biased Scint | 149 | BAP 7 334 | Apr62 | ANL | Shunk. |
| $Nb^{93}$ | Ang Distrib | 4.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 6 | PR 129 1649 | Feb63 | LAS | Thomson. |
| $Nb^{93}$ | Ang Distrib | 4.0 6 | 4.0 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| $Nb^{93}$ | Ang Distrib | 5.0 6 | 5.0 6 | | σ(Total) | TimeOfFlight | 13 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| $Nb^{93}$ | Ang Distrib | 5.9 6 | 7.5 6 | | | TimeOfFlight | 12 | NSE 36 275 | May69 | LAS | Hopkins. |
| $Nb^{93}$ | Ang Distrib | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 19 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| $Nb^{93}$ | Ang Distrib | 1.5 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 80 | AWRE/O/71- 66 | Nov71 | ALD | Coles,R.E. |
| $Nb^{93}$ | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 110 | NP 48 593 | 63 | ANL | Reitmann. |
| $Nb^{93}$ | Legendre Fit | 3.2 5 | 1.4 6 | | Carbon | TimeOfFlight | 165 | SMITH 66L | Dec66 | ANL | Smith. |
| $Nb^{93}$ | Legendre Fit | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 14 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| $Nb^{93}$ | Legendre Fit | 1.5 6 | 5.0 6 | C | H(n,n) | TimeOfFlight* | 60 | AWRE/O/71- 66 | Nov71 | ALD | Coles,R.E. |
| | INEL SCATTERING | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 4.0 5 | 1.2 6 | | | | 10 | AE 14 400 | 63 | CCP | Glazkov. |
| $Nb^{93}$ | Sigma | 1.0 6 | 1.5 6 | | Carbon | TimeOfFlight | 21 | NP 48 593 | 63 | ANL | Reitmann. |
| $Nb^{93}$ | Sigma | 8.0 5 | 1.2 6 | | | $He^3$ Spec | 8 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| $Nb^{93}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | NUK 10 225 | Oct67 | WUR | Hegedues,F. |
| $Nb^{93}$ | Sigma | 2.0 6 | 3.5 6 | | H(n,n) | TimeOfFlight* | 51 | 70HELSNK/II-349 | Jun70 | AE | Almen,E.+ |
| $Nb^{93}$ | Sigma | 3.1 6 | 3.1 6 | | Iron | Ge(Li)Detect* | 25 | ZP 240 430 | Dec70 | MUN | Goebel,H.+ |
| $Nb^{93}$ | Sigma | 1.2 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 150 | AWRE/O/71- 66 | Nov71 | ALD | Coles,R.E. |
| $Nb^{93}$ | Ang Distrib | 4.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 34 | PR 129 1649 | Feb63 | LAS | Thomson. |
| $Nb^{93}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 39 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| $Nb^{93}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Ratio | TimeOfFlight | 10 | INDC-260 16 | Feb69 | OBN | Salnikov. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 9.3 5 | 2.1 6 | | Iron | CrystalScint | 49 | NP 14 78 | 59 | BAR | Nath. |
| $Nb^{93}$ | Sigma | 1.0 6 | 2.4 6 | | Iron | Ring Geomtry | 40 | AE 16 103 | Feb64 | OBN | Broder,D.L.+ |
| $Nb^{93}$ | Sigma | 3.1 6 | 3.1 6 | | Iron | Ge(Li)Detect* | 43 | ZP 240 430 | Dec70 | MUN | Goebel,H.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 6.0 4 | 1.8 6 | | Carbon | Diff Sig Int | 22 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| $Nb^{93}$ | Sigma | 5.6 4 | 9.7 4 | | Carbon | $4Pi*\sigma(90°)$ | 12 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| $Nb^{93}$ | Ang Distrib | 6.0 4 | 1.8 6 | | Carbon | ModeratrTank | 110 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Nb^{93}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Nb^{93}$ | σ(Potential) | 1.1 2 | 1.1 2 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| $Nb^{93}$ | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Nb^{93}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Nb^{93}$ | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Nb^{93}$ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Nb^{93}$ | Scatt Amplitude | 4.5 -4 | 4.5 -4 | | | Mirror Refl * | 1 | ZN A 26 391 | Mar71 | MUN | Koester,L.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | OSA 96 120 | Mar59 | IRK | Vonach,H.+ |
| $Nb^{93}$ | Sigma | 9.3 6 | 1.5 7 | | H(n,n) | Count Telesc | 12 | UCRL- 6028 | Jun60 | LRL | Teves. |
| $Nb^{93}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | ZET 40 743 | Mar61 | CCP | Glagolev. |
| $Nb^{93}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Nb^{93}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 2 | JIN 24 1321 | Dec62 | ARK | Bramlitt. |
| $Nb^{93}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 2 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Nb^{93}$ | Sigma | 1.0 6 | 1.0 6 | | | | 1 | BANDC/E- 57 71 | Feb65 | MOL | Fabry,A.+ |
| $Nb^{93}$ | Sigma | 1.4 7 | 1.5 7 | | Al(n,alpha) | Activation * | 2 | APA 23 42 | May66 | IRK | Rieder,R.+ |
| $Nb^{93}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Nb^{93}$ | Sigma | 1.3 7 | 1.3 7 | | Absolute | Activation * | 6 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| $Nb^{93}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.0 | 7 | 2.0 | 7 | | Absolute | Activation * | 32 | ZP 238 23 | Sep70 | GEL | Paulsen,A.+ |
| $Nb^{93}$ | Sigma | 1.7 | 7 | 1.7 | 7 | | $Co^{59}$ | TimeOfFlight* | 1 | ZP 238 23 | Sep70 | GEL | Paulsen,A.+ |
| $Nb^{93}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 2 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | ZP 244 352 | Jul71 | MON | Haering,M.+ |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,3n) REACTION | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 2.0 | 7 | 2.0 | 7 | | Copper | Activation * | 1 | NP A118 379 | Oct68 | GEL | Liskien,H. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | PR 108 779 | Nov57 | PEN | Verbinski. |
| | (n,2p) REACTION | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,$He^3$) REACTION | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 1 | PR 110 531 | Apr58 | ORL | Blosser. |
| $Nb^{93}$ | Sigma | 8.4 | 6 | 1.5 | 7 | | H(n,n) | Count Telesc | 14 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Nb^{93}$ | Sigma | 7.0 | 6 | 2.0 | 7 | | $U^{238}$(n,f) | Activation | 12 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 123 1365 | Aug61 | RED | Alford. |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | JIN 24 1321 | Dec62 | ARK | Bramlitt. |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | JIN 24 1321 | Dec62 | ARK | Bramlitt. |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 2 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Diff Sig Int | 2 | NP 54 17 | May64 | RBZ | Kulisic,P.+ |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 1 | PR C 1 1233 | Apr70 | ARK | Husain,L.+ |
| | (n,n alpha) REACT | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | JIN 24 1321 | Dec62 | ARK | Bramlitt. |
| $Nb^{93}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | ReactivityCo | 1 | PR 72 16 | Jul47 | ANL | Anderson. |
| $Nb^{93}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | ReactivityCo | 1 | PR 72 16 | Jul47 | ANL | Anderson. |
| $Nb^{93}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,F.C.W.+ |
| $Nb^{93}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 2 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Nb^{93}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Nb^{93}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Nb^{93}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Total | 1 | PR 93 1062 | Mar54 | WTS | Walt,M.+ |
| $Nb^{93}$ | Sigma | 2.9 | 6 | 2.9 | 6 | | | Proportion C | 1 | AE 5 565 | Dec58 | CCP | Kukhtevich,V.I.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Nb^{93}$ | Sigma | 1.2 | 5 | 3.2 | 6 | | Absolute | Accelerator | 31 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| $Nb^{93}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $Nb^{93}$ | Sigma | 3.3 | 1 | 9.6 | 3 | | Absolute | TimeOfFlight | 188 | BOLLINGER 55D | Apr55 | ANL | Bollinger. |
| $Nb^{93}$ | Sigma | 3.0 | 0 | 3.2 | 2 | | Absolute | TimeOfFlight | 96 | PILCHER 55I | Sep55 | BNL | Pilcher. |
| $Nb^{93}$ | Sigma | 4.5 | 2 | 1.0 | 4 | | Absolute | Accelerator | 30 | PR 105 198 | Jan57 | DKE | Newson. |
| $Nb^{93}$ | Sigma | 2.9 | 1 | 2.0 | 4 | | Absolute | TimeOfFlight | 634 | PR 109 1258 | Feb58 | ANL | Saplakoglu. |
| $Nb^{93}$ | Sigma | 4.7 | 1 | 1.7 | 2 | | | TimeOfFlight | 50 | PR 110 692 | May58 | BNL | Seth. |
| $Nb^{93}$ | Sigma | 3.7 | 6 | 3.7 | 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| $Nb^{93}$ | Sigma | 1.0 | 4 | 1.0 | 5 | | Absolute | TimeOfFlight | 10 | PR 137B 83 | Jan65 | BNL | Jain,A.P.+ |
| $Nb^{93}$ | Sigma | 8.2 | 1 | 7.5 | 3 | | Absolute | TimeOfFlight | 6306 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Nb^{93}$ | Sigma | 2.1 | 2 | 1.0 | 4 | P | Absolute | TimeOfFlight | 21666 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Nb^{93}$ | Sigma | 4.0 | 3 | 6.4 | 5 | | Absolute | Accelerator | 102 | PL 16 306 | Jun65 | DKE | Seth. |
| $Nb^{93}$ | Sigma | 1.1 | 3 | 9.5 | 5 | | Absolute | TimeOfFlight | 25 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Nb^{93}$ | Sigma | 2.4 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 234 | FOSTER 67E | May67 | BNW | Foster. |
| $Nb^{93}$ | Sigma | 4.5 | 6 | 7.5 | 6 | | Absolute | Accelerator | 60 | PR 158 1142 | Jun67 | WIS | Carlson. |
| $Nb^{93}$ | Sigma | 4.5 | 6 | 7.5 | 6 | S | Absolute | Accelerator | 60 | PR 158 1142 | Jun67 | WIS | Carlson. |
| $Nb^{93}$ | Sigma | 3.3 | 6 | 5.1 | 6 | | Absolute | Transmission | 62 | ARS 64 373 | Dec68 | JNE | |
| $Nb^{93}$ | Sigma | 1.5 | 6 | 5.0 | 6 | C | | TimeOfFlight* | 8 | AWRE/O/71- 66 | Nov71 | ALD | Coles,R.E. |
| | $\gamma$-WIDTH | | | | | | | | | | | | |
| $Nb^{93}$ | $\Gamma(\gamma)$ | 3.6 | 1 | 1.4 | 3 | | | MultiLvl Fit | 17 | NP 70 497 | Aug65 | SAC | Le Poittevin,G.+ |
| $Nb^{93}$ | $\Gamma(\gamma)$ | 9.4 | 1 | 3.8 | 2 | | | | 6 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Nb^{93}$ | $\Gamma(\gamma)$ | 9.4 | 1 | 3.8 | 2 | | | Selfindicatn | 6 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| $Nb^{93}$ | $\Gamma(\gamma)$ | 3.6 | 1 | 1.4 | 3 | | | AreaAnalysis | 14 | NP A 93 340 | Mar67 | GA | Lopez,W.M.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Nb^{93}$ | $2g\Gamma(n)$ | 3.5 | 1 | 1.2 | 3 | | Absolute | Accelerator | 35 | MURADYAN 65F | Jun65 | KUR | Muradyan,H.V.+ |
| $Nb^{93}$ | $2g\Gamma(n)$ | 3.6 | 1 | 4.1 | 3 | | | MultiLvl Fit | 104 | NP 70 497 | Aug65 | SAC | Le Poittevin,G.+ |
| $Nb^{93}$ | $2g\Gamma(n)$ | 9.4 | 1 | 3.8 | 2 | | | | 6 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Nb^{93}$ | $2g\Gamma(n)$ | 4.2 | 1 | 3.8 | 2 | | | Selfindicatn | 9 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| $Nb^{93}$ | $2g\Gamma(n)$ | 3.6 | 1 | 1.4 | 3 | | | AreaAnalysis | 39 | NP A 93 340 | Mar67 | GA | Lopez,W.M.+ |
| $Nb^{93}$ | $2g\Gamma(n,l=0)$ | 2.4 | 2 | 7.3 | 3 | | | AreaAnalysis | 206 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Nb^{93}$ | $2g\Gamma(n,l=0)$ | 1.1 | 2 | 4.1 | 3 | | | MultiLvl Fit | 37 | NP 70 497 | Aug65 | SAC | Le Poittevin,G.+ |
| $Nb^{93}$ | $\Gamma(n,l=1)$ | 4.2 | 1 | 5.0 | 3 | | | AreaAnalysis | 113 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Nb^{93}$ | $\Gamma$ | 3.6 | 1 | 4.1 | 3 | | | MultiLvl Fit | 74 | NP 70 497 | Aug65 | SAC | Le Poittevin,G.+ |
| $Nb^{93}$ | $\Gamma$ | 9.4 | 1 | 3.8 | 2 | | | Selfindicatn | 6 | NP 72 298 | Oct65 | DUB | Iliescu,N.+ |
| | OTHER RESCN PARAM | | | | | | | | | | | | |
| $Nb^{93}$ | n-Orbit Ang Mom | 3.6 | 1 | 4.1 | 3 | | | MultiLvl Fit | 73 | NP 70 497 | Aug65 | SAC | Le Poittevin,G.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Nb^{93}$ | Strength Funct | 5.0 | 2 | 3.7 | 3 | | | AreaAnalysis | 7 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Nb^{93}$ | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Nb^{93}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Nb^{93}$ | Strength Fn(l=0) | 2.0 | 6 | 2.0 | 6 | | | | 1 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Nb^{93}$ | Strength Fn(l=0) | 4.1 | 3 | 4.1 | 3 | | | | 2 | CEA/R-3609 68 | | SAC | Morgenstern,J. |
| $Nb^{93}$ | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM (CONTINUED) | | | | | | | | | | | | | |
| $Nb^{93}$ | Strength Fn(l=1) | 2.0 | 6 | 2.0 | 6 | | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Nb^{93}$ | Strength Fn(l=1) | 4.1 | 3 | 4.1 | 3 | | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Nb^{93}$ | Strength Fn(l=1) | 3.0 | 4 | 3.0 | 4 | | | | * | 1 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| $Nb^{93}$ | Strength Fn(l=1) | 1.5 | 5 | 1.5 | 5 | | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| $Nb^{93}$ | Strength Fn(l=2) | 2.0 | 6 | 2.0 | 6 | | | | | 1 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Nb^{93}$ | Strength Fn(l=2) | 1.5 | 5 | 1.5 | 5 | | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| $Nb^{93}$ | Str Fnct Part(γ) | 1.5 | 5 | 1.5 | 5 | | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| $Nb^{93}$ | Level Spacing | 3.0 | 3 | 3.2 | 3 | | | AreaAnalysis | | 2 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Nb^{93}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.... |
| | LEVEL DENS PARAM | | | | | | | | | | | | | |
| $Nb^{93}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | | 2 | YF 2 826 | Nov65 | PEI | Anufrienko,V.E.+ |
| $Nb^{93}$ | Nucl Temperature | 3.5 | 6 | 5.0 | 6 | C | | | * | 4 | AWRE/O/71- 66 | Nov71 | ALD | Coles,R.E. |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Nb^{94}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | AnothA SameZ | Activation | | 1 | PR 92 369 | Oct53 | KAP | Douglas. |
| $Nb^{94}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 1 | IDO-16760 13 | 61 | MTR | Schuman. |
| $Nb^{94}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | Activation | | 1 | IDO-16760 13 | 61 | MTR | Schuman. |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Nb^{95}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 1 | ORNL-3488 9 | 63 | ORL | Halperin. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Mo | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| Mo | Sigma | 2.4 4 | 8.3 5 | | Absolute | Shell Trans | 3 | AE 8 549 | 60 | CCP | Belanova. |
| Mo | Sigma | 1.7 5 | 1.0 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Mo | Sigma | 5.0 4 | 9.6 5 | | $U^{235}(n,f)$ | | 11 | SPN- 227 | 61 | CCP | Stavisskii,Yu.Ya.+ |
| Mo | Sigma | 1.5 4 | 9.7 5 | N | Indium | CrystalScint | 13 | SPN- 227 | 61 | CCP | Stavisskii,Yu.Ya.+ |
| Mo | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Mo | Sigma | 3.0 4 | 3.0 4 | | | TimeOfFlight | 1 | NP 43 353 | 63 | ORL | Macklin. |
| Mo | Sigma | 1.0 0 | 4.9 4 | | σ(Thermal) | Slowing-Down | 136 | AE 15 120 | Aug63 | LEB | Kapchigashev. |
| Mo | Sigma | 8.0 1 | 2.9 4 | | | Slowing-Down | 47 | NUK 6 371 | Dec64 | KPK | Mitzel,P.+ |
| Mo | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| Mo | Sigma | 1.2 4 | 1.7 5 | N | Au(n,γ) | Scint Tank | 70 | 66PARIS/I- 513 | Oct66 | KPK | Kompe,D. |
| Mo | Sigma | 9.6 2 | 1.1 6 | | | TimeOfFlight* | 95 | 70HELSNK/II-265 | Jun70 | GA | Fricke,M.P.+ |
| Mo | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STP | Sher. |
| Mo | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Mo | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Mo | Sigma | 3.7 6 | 3.7 6 | | | Ring Geomtry | 1 | PR 108 1028 | Nov57 | BAR | Hans,H.S |
| Mo | Sigma | 5.6 4 | 1.0 5 | | Carbon | $4Pi*\sigma(90°)$ | 14 | PR 109 1620 | Mar58 | DKP | Block,R.C.+ |
| Mo | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Mo | Sigma | 3.0 5 | 8.0 5 | | | Diff Sig Int | 3 | UFZ 9 929 | 64 | UKR | Korzh. |
| Mo | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Mo | Sigma | 3.0 5 | 1.4 6 | S | Carbon | TimeOfFlight | 24 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Mo | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Mo | Sigma | 3.2 5 | 1.4 6 | | Carbon | TimeOfFlight | 58 | NP A 93 609 | Mar67 | ANL | Smith. |
| Mo | Sigma | 1.5 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 8 | AWRE/O/70- 89 | Oct70 | ALD | Coles,R.E.+ |
| Mo | Sigma | 8.0 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 1 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Mo | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Mo | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 1 | BAP 1 55 | Feb56 | WES | Weddell,J.B.+ |
| Mo | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 19 | PR 108 1028 | Nov57 | BAR | Hans,H.S |
| Mo | Ang Distrib | 5.0 6 | 5.0 6 | | | Biased Scint | 1 | PR 109 2105 | Mar58 | WES | Hill. |
| Mo | Ang Distrib | 2.9 6 | 2.9 6 | | | Ring Geomtry | 10 | UFZ 5 704 | 60 | UKR | Strizhak,V.I.+ |
| Mo | Ang Distrib | 4.1 6 | 4.1 6 | | H(n,n) | Biased Scint | 16 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Mo | Ang Distrib | 1.4 7 | 1.4 7 | | | Biased Scint | 1 | ZET 41 313 | Aug61 | UKR | Strizhak,V.I.+ |
| Mo | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 14 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Mo | Ang Distrib | 3.0 5 | 8.0 5 | | | Threshold C | 24 | UFZ 9 929 | 64 | UKR | Korzh. |
| Mo | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 14 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Mo | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Mo | Ang Distrib | 1.5 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 80 | AWRE/O/70- 89 | Oct70 | ALD | Coles,R.E.+ |
| Mo | Ang Distrib | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 19 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Mo | Legendre Fit | 3.0 5 | 1.4 6 | S | Carbon | TimeOfFlight | 117 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Mo | Legendre Fit | 1.0 3 | 1.4 6 | | Carbon | TimeOfFlight | 282 | NP A 93 609 | Mar67 | ANL | Smith. |
| Mo | Legendre Fit | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 11 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Mo | Polarizat n-out | 3.5 5 | 1.5 6 | | Absolute | PlasticScint | 44 | NP 25 604 | Jun61 | HAR | Brown,D.+ |
| Mo | Polarizat n-out | 4.0 5 | 1.0 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| | ELASTIC+SCME INEL | | | | | | | | | | |
| Mo | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Threshold C | 30 | ZET 41 313 | Aug61 | UKR | Strizhak,V.I.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Mo | Sigma | 4.1 6 | 4.1 6 | | H(n,n) | Diff Sig Int | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Mo | Sigma | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 1 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Mo | Sigma | 4.0 5 | 1.0 6 | | | | 12 | AE 14 400 | 63 | CCP | Glazkov. |
| Mo | Sigma | 4.0 5 | 1.2 6 | | | $He^3$ Spec | 20 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Mo | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Mo | Sigma | 1.0 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 142 | AWRE/O/70- 89 | Oct70 | ALD | Coles,R.E.+ |
| Mo | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 2 | BAP 1 55 | Feb56 | WES | Weddell,J.B.+ |
| Mo | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 2 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Mo | Ang Distrib | 4.1 6 | 4.1 6 | | | TimeOfFlight | 22 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Mo | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 12 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Mo | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 10 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Mo | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 48 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Mo | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 2 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Mo | Sigma | 7.9 5 | 1.5 6 | | H(n,n) | Ring Geomtry | 14 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| Mo | Ang Distrib | 3.2 6 | 3.2 6 | | | CrystalScint | 3 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Mo | Sigma | 3.0 4 | 1.4 6 | | Carbon | Diff Sig Int | 18 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Mo | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Mo | σ(Potential) | 1.6 2 | 1.6 2 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| Mo | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mo | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mo | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Mo | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Mo | Sigma | 1.4 7 | 1.4 7 | | $Cf^{252}(Nu)$ | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |
| | (n,p) REACTION | | | | | | | | | | |
| Mo | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NC 13 730 | Aug59 | CIS | Colli. |
| Mo | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAP | Allan,D.L. |
| | (n,np) REACTION | | | | | | | | | | |
| Mo | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NC 13 730 | Aug59 | CIS | Colli. |
| | MISC FISS QUANT | | | | | | | | | | |
| Mo | Neutron/Capture | 1.4 7 | 1.4 7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Mo | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,F.C.W.+ |
| Mo | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Mo | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT (CONTINUED) | | | | | | | | | | |
| Mo | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Mo | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Mo | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE .3 507 | 57 | CCP | Klimentov. |
| Mo | Reson Integral | 5.0 -1 | 5.0 -1 | | Boron | Pile Oscilat | 1 | EANDC/E- 57 170 | Feb65 | PAR | Vidal,R. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Mo | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Mo | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Mo | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| Mo | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Mo | Sigma | 4.0 5 | 2.6 6 | | Absolute | Shell Trans | 11 | AE 12 62 | Jan62 | CCP | Abramov. |
| Mo | Sigma | 8.0 5 | 8.0 5 | | | Total | 1 | UFZ 9 929 | 64 | UKR | Korzh. |
| Mo | Sigma | 2.4 4 | 2.4 4 | | | Shell Trans | 1 | AE 20 431 | May66 | CCP | Koroleva,V.P.+ |
| Mo | Ang Distrib | 1.5 7 | 1.5 7 | | | Biased Scint | 10 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| Mo | Ang Distrib. | 1.5 7 | 1.5 7 | | | TimeOfFlight | 96 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Mo | Sigma | 2.4 -3 | 8.0 0 | | Absolute | Crystal Spec | 78 | NAT 166 825 | Nov50 | HAR | Egelstaff. |
| Mo | Sigma | 1.4 0 | 1.2 4 | | Absolute | TimeOfFlight | 80 | PPS 65 992 | 52 | HAR | Hodgson. |
| Mo | Sigma | 2.0 4 | 3.2 6 | | Absolute | Accelerator | 44 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Mo | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Mo | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Mo | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Mo | Sigma | 1.2 -3 | 5.7 -3 | | Absolute | TimeOfFlight | 21 | EGELSTAFF 54L | Dec54 | HAR | Egelstaff. |
| Mo | Sigma | 1.4 2 | 2.9 5 | | Absolute | TimeOfFlight | 49 | EGELSTAFF 55P | Jun55 | HAR | Egelstaff. |
| Mo | Sigma | 3.4 1 | 7.3 2 | | Absolute | TimeOfFlight | 166 | PR 99 10 | Jul55 | BNL | Harvey. |
| Mo | Sigma | 2.0 3 | 7.9 4 | | Absolute | Accelerator | 68 | PR 102 1580 | Jun56 | DKE | Newson. |
| Mo | Sigma | 7.2 6 | 1.5 7 | S | Absolute | Biased Scint | 5 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Mo | Sigma | 4.0 6 | 8.0 6 | | | CrystalScint | 38 | PR 110 466 | Apr58 | COL | Weil. |
| Mo | Sigma | 1.3 1 | 3.0 2 | | | TimeOfFlight | 23 | PR 110 692 | May58 | BNL | Seth. |
| Mo | Sigma | 7.1 6 | 1.5 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Mo | Sigma | 4.1 6 | 4.1 6 | | | TimeOfFlight | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Mo | Sigma | 1.2 7 | 2.0 7 | | Absolute | PlasticScint | 13 | NP 16 313 | May60 | HAR | Mccallum,G.J.+ |
| Mo | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 6 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Mo | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Mo | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Mo | Sigma | 4.4 0 | 2.2 3 | | | | 520 | ANL-6534 | Aug62 | ANL | Cote. |
| Mo | Sigma | 2.8 2 | 1.5 3 | | Absolute | TimeOfFlight | 801 | CORGE 62K | Nov62 | SAC | Corge. |
| Mo | Sigma | 1.0 4 | 1.0 5 | | Absolute | TimeOfFlight | 10 | PR 137B 83 | Jan65 | BNL | Jain,A.P.+ |
| Mo | Sigma | 5.5 1 | 6.6 4 | | Absolute | TimeOfFlight | 9571 | GARG 65H 1 | Aug65 | COL | Garg,J.B. |
| Mo | Sigma | 6.1 0 | 6.7 5 | P | Absolute | TimeOfFlight | 35937 | GARG 65H 1 | Aug65 | COL | Garg,J.B. |
| Mo | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 247 | FOSTER 67E | May67 | BNW | Foster. |
| Mo | Sigma | 1.5 6 | 5.0 6 | | | TimeOfFlight* | 8 | AWRE/O/70- 89 | Oct70 | ALD | Coles,R.E.+ |
| | n-WIDTH | | | | | | | | | | |
| Mo | Γ(n) | 4.5 1 | 1.3 2 | | Absolute | AreaAnalysis | 3 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Mo | Γ(n) | 1.2 4 | 1.7 5 | | Au(n,γ) | Scint Tank | 70 | KFK- 635 | Oct67 | KFK | Poenitz,W.P.+ |
| Mo | 2gΓ(n) | 4.1 2 | 5.1 2 | | | AreaAnalysis | 3 | PR 99 10 | Jul55 | BNL | Harvey. |
| Mo | 2gΓ(n) | 1.2 1 | 1.2 1 | | | AreaAnalysis | 3 | NUK 6 371 | Dec64 | KFK | Mitzel,P.+ |
| Mo | Γ(n,l=0) | 4.5 1 | 1.3 2 | | Absolute | AreaAnalysis | 3 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Mo | 2gΓ(n,l=0) | 4.1 2 | 5.1 2 | | | AreaAnalysis | 3 | PR 99 10 | Jul55 | BNL | Harvey. |
| Mo | 2gΓ(n,l=0) | 1.2 1 | 1.2 1 | | | AreaAnalysis | 3 | NUK 6 371 | Dec64 | KFK | Mitzel,P.+ |
| Mo | 2agΓ(n,l=0) | 7.1 1 | 5.0 3 | | | AreaAnalysis | 168 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | TOTAL WIDTH | | | | | | | | | | |
| Mo | $\Gamma^2\sigma_0(0)$ | 4.5 1 | 1.3 2 | | Absolute | AreaAnalysis | 3 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Mo | Resonance Energy | 1.6 2 | 8.4 2 | | | TimeOfFlight | 10 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Mo | Resonance Energy | 2.6 2 | 2.2 3 | | | TimeOfFlight | 39 | CR 254 4287 | Jun62 | SAC | Corge,C.+ |
| Mo | Resonance Energy | 4.7 3 | 3.1 4 | | | AreaAnalysis | 59 | PR 166 1234 | Feb68 | COL | Wynchank. |
| Mo | Resonance Energy | 1.1 2 | 1.2 3 | | | Shape Analys* | 30 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| Mo | Spin of Reson | 3.8 2 | 1.2 3 | | | Shape Analys | 6 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Mo | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| Mo | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Mo | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Mo | Strength Fn(l=1) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Mo | Strength Fn(l=2) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Mo | Str Fnct Part(γ) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Mo | Level Spacing | 5.0 2 | 2.5 3 | | | AreaAnalysis | 2 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Mo | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Mo | Nucl Temperature | 2.5 6 | 5.0 6 | | H(n,n) | TimeOfFlight* | 6 | AWRE/O/70- 89 | Oct70 | ALD | Coles,R.E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Mo^{92}$ | Sigma | 1.3 7 | 2.7 7 | | Copper | Activation | 6 | PR 88 618 | Nov52 | LAS | Brolley. |
| $Mo^{92}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Mo^{92}$ | Sigma | 1.4 7 | 1.5 7 | | Absolute | Activation | 4 | JPJ 12 443 | May57 | KON | Yasumi. |
| $Mo^{92}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Mo^{92}$ | Sigma | 1.4 7 | 1.4 7 | S | Copper | Activation | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Mo^{92}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Mo^{92}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Mo^{92}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Mo^{92}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| $Mo^{92}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Mo^{92}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Mo^{92}$ | Sigma | 1.5 7 | 1.5 7 | | Grnd/Metast | Activation * | 1 | AHP 18 295 | May65 | DEB | Bacso,J.+ |
| $Mo^{92}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation * | 2 | AHP 18 295 | May65 | DEB | Bacso,J.+ |
| $Mo^{92}$ | Sigma | 1.4 7 | 1.5 7 | | Arb Units | Activation * | 24 | 65ANTWRP-102 A | Jul65 | DEB | Csikai,J. |
| $Mo^{92}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | 65ANTWRP-102 B | Jul65 | DEB | Csikai,J. |
| $Mo^{92}$ | Sigma | 1.5 7 | 1.5 7 | | Ground/Total | Activation * | 1 | NP A 94 476 | Mar67 | MUA | Rama Prasad,P.+ |
| $Mo^{92}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 2 | NP A 94 476 | Mar67 | MUA | Rama Prasad,P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION (CONTINUED) | | | | | | | | | | |
| Mo92 | Sigma | 1.6 7 | 1.6 7 | | Cu63(n,2n) | Activation | * 1 | AHP 23 87 | May67 | DEB | Csikai. |
| Mo92 | Sigma | 1.3 7 | 1.8 7 | | | Activation | 13 | 67TOKYO-366 | Sep67 | JAD | Decowski. |
| Mo92 | Sigma | 1.4 7 | 1.8 7 | | Ratio | Activation | 12 | 67TOKYO-366 | Sep67 | JAD | Decowski. |
| Mo92 | Sigma | 1.4 7 | 1.4 7 | | Copper | Activation | 1 | NP A103 616 | Nov67 | ITY | Cuzzocrea,P.+ |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | * 3 | NP A118 449 | Oct68 | TUR | Minetti,B.+ |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | | Activation | * 2 | JIN 31 1 | Jan69 | BIA | Crumpton,D.+ |
| Mo92 | Sigma | 1.4 7 | 1.8 7 | | Grnd/Metast | Activation | * 12 | NP A132 42 | Jul69 | WWA | Abboud,A.+ |
| Mo92 | Sigma | 1.3 7 | 1.8 7 | | Cu63(n,2n) | Activation | * 13 | NP A132 42 | Jul69 | WWA | Abboud,A.+ |
| Mo92 | Sigma | 1.3 7 | 1.5 7 | | Absolute | Activation | 42 | EANDC/J- 22 32 | Aug71 | KYU | Kanda,W.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 24 1317 | 62 | ARK | Bramlitt. |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | | Activation | * 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| Mo92 | Sigma | 1.0 6 | 1.0 6 | | S32(n,p) | Activation | 1 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| Mo92 | Sigma | 2.0 6 | 2.0 6 | | | Activation | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| Mo92 | Sigma | 1.0 6 | 1.0 6 | | Al(n,alpha) | Activation | 1 | NSE 29 7 | Jul67 | ISP | Bresesti,A.M.+ |
| Mo92 | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| Mo92 | Sigma | 1.0 6 | 1.0 6 | | | Activation | 2 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |
| Mo92 | Sigma | 1.3 7 | 1.5 7 | | Absolute | Activation | 10 | EANDC/J- 22 32 | Aug71 | KYU | Kanda,W.+ |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | | Activation | * 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,np) REACTION | | | | | | | | | | |
| Mo92 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NC 13 730 | Aug59 | CIS | Colli. |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,t) REACTION | | | | | | | | | | |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | | Activation | * 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 24 1317 | 62 | ARK | Bramlitt. |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| Mo92 | Sigma | 1.4 7 | 1.4 7 | | Copper | Activation | 1 | NP A103 616 | Nov67 | ITY | Cuzzocrea,P.+ |
| Mo92 | Sigma | 1.3 7 | 1.5 7 | | Absolute | Activation | 31 | EANDC/J- 22 32 | Aug71 | KYU | Kanda,W.+ |
| Mo92 | Sigma | 1.5 7 | 1.5 7 | | | Activation | * 2 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Mo92 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | |
| Mo92 | Γ(n) | 3.5 2 | 1.7 4 | | | AreaAnalysis | 5 | ZET 44 1187 | 63 | CCP | Pevzner. |
| Mo92 | 2gΓ(n) | 3.5 2 | 3.5 2 | | | AreaAnalysis | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| Mo92 | Γ(n,l=0) | 3.5 2 | 1.7 4 | | | AreaAnalysis | 5 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Mo92 | Resonance Energy | 2.0 3 | 2.0 3 | | | AreaAnalysis | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Mo94 | Sigma | 7.9 5 | 1.5 6 | | | Ring Geomtry | 8 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| Mo94 | Sigma | 7.9 5 | 1.5 6 | | H(n,n) | Ring Geomtry | 8 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| | n-WIDTH | | | | | | | | | | |
| Mo94 | Γ(n) | 1.5 3 | 5.4 3 | | | AreaAnalysis | 3 | ZET 44 1187 | 63 | CCP | Pevzner. |
| Mo94 | Γ(n,l=0) | 1.5 3 | 5.4 3 | | | AreaAnalysis | 3 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | (n,γ) REACTION | | | | | | | | | | |
| Mo95 | Sigma | 3.2 1 | 4.6 4 | | | Slowing-Down | 47 | 64DUBNA- 104 | Jun64 | LEB | |
| Mo95 | Spectrum | 2.5 -2 | 2.5 -2 | | | γ-Spectromet* | 291 | NP A159 49 | Dec70 | KFK | Heck,D.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Mo95 | Sigma | 1.0 6 | 1.0 6 | | S32(n,p) | Activation | 1 | JNE 18 417 | Aug64 | AUL | Boldeman,J.W.+ |
| Mo95 | Sigma | 2.0 6 | 2.0 6 | | | Activation | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| Mo95 | Sigma | 1.5 7 | 1.5 7 | | | Activation | * 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Mo95 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| Mo95 | Sigma | 2.4 4 | 8.3 5 | | | | 3 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | |
| Mo95 | Γ(γ) | 4.5 1 | 5.5 2 | | | AreaAnalysis | 3 | ZET 44 1187 | 63 | CCP | Pevzner. |
| Mo95 | Γ(γ) | 4.5 1 | 1.6 2 | | | | 2 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| Mo95 | Γ(γ) | 4.5 1 | 1.6 2 | | | AreaAnalysis | 4 | PR 179 1148 | Mar69 | ANL | Shwe. |
| | n-WIDTH | | | | | | | | | | |
| Mo95 | Γ(n) | 4.5 1 | 1.1 3 | | | AreaAnalysis | 11 | PR 179 1148 | Mar69 | ANL | Shwe. |
| Mo95 | 2gΓ(n) | 4.5 1 | 7.0 2 | | | AreaAnalysis | 4 | PR 99 10 | Jul55 | BNL | Harvey. |
| Mo95 | 2gΓ(n) | 4.5 1 | 4.5 1 | | | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Mo95 | 2gΓ(n) | 4.5 1 | 7.4 3 | | | AreaAnalysis | 14 | ZET 44 1187 | 63 | CCP | Pevzner. |
| Mo95 | 2gΓ(n) | 4.5 1 | 1.6 2 | | | | 2 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| Mo95 | 2gΓ(n) | 1.2 2 | 1.4 3 | | | AreaAnalysis | 11 | PR 179 1148 | Mar69 | ANL | Shwe. |
| Mo95 | 2gΓ(n,l=0) | 4.5 1 | 7.0 2 | | | AreaAnalysis | 4 | PR 99 10 | Jul55 | BNL | Harvey. |
| Mo95 | 2gΓ(n,l=0) | 4.5 1 | 4.5 1 | | | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Mo95 | 2gΓ(n,l=0) | 2.1 2 | 2.1 2 | | | | 1 | PR 127 1687 | Sep62 | ANL | Jackson. |
| Mo95 | 2gΓ(n,l=0) | 4.5 1 | 7.4 3 | | | AreaAnalysis | 14 | ZET 44 1187 | 63 | CCP | Pevzner. |
| Mo95 | Γ(n,l=1) | 1.1 2 | 4.8 2 | | | AreaAnalysis | 7 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | TOTAL WIDTH | | | | | | | | | | |
| Mo95 | Γ2σ(0) | 4.5 1 | 4.5 1 | | | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Mo95 | Resonance Energy | 1.2 8 | 5.7 8 | | | CaptureGamma | 3 | PR 127 1687 | Sep62 | ANL | Jackson. |
| Mo95 | Resonance Energy | 6.3 2 | 1.4 3 | | | AreaAnalysis | 5 | ZET 44 1187 | 63 | CCP | Pevzner. |
| Mo95 | Resonance Energy | 4.5 1 | 1.1 3 | | | Shape Analys* | 15 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| Mo95 | Spin of Reson | 4.5 1 | 1.1 3 | | | Shape Analys | 9 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM (CONTINUED) | | | | | | | | | | | |
| $Mo^{95}$ | n-Orbit Ang Mom | 4.5 | 1 | 1.0 | 9 | | CaptureGamma | 5 | PR 127 1687 | Sep62 | ANL | Jackson. |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Mo^{95}$ | Strength Funct | 3.5 | 2 | 3.5 | 2 | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Mo^{95}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Mo^{95}$ | Strength Fn(l=0) | 7.1 | 2 | 7.1 | 2 | | Holograph | 1 | PR 166 1234 | Feb68 | COL | Wynchank. |
| $Mo^{95}$ | Strength Fn(l=0) | 7.7 | 2 | 7.7 | 2 | | | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{95}$ | Strength Fn(l=1) | 7.7 | 2 | 7.7 | 2 | | | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{95}$ | Level Spacing | 3.5 | 2 | 3.5 | 2 | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Mo^{95}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Mo^{95}$ | Level Spacing | 7.7 | 2 | 7.7 | 2 | | | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| | $(n,\gamma)$ REACTION | | | | | | | | | | | |
| $Mo^{96}$ | Sigma | 8.3 | 1 | 5.0 | 4 | | Slowing-Down | 43 | 64DUBNA- 104 | Jun64 | LEB | |
| | (n,p) REACTION | | | | | | | | | | | |
| $Mo^{96}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Mo^{96}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Al(n,alpha) | Activation | 2 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Mo^{96}$ | Sigma | 1.4 | 7 | 1.4 | 7 | $Cu^{63}(n,2n)$ | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Mo^{96}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Copper | Activation | 1 | NP A103 616 | Nov67 | ITY | Cuzzocrea,P.+ |
| $Mo^{96}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Mo^{96}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | $\gamma$-WIDTH | | | | | | | | | | | |
| $Mo^{96}$ | $\Gamma(\gamma)$ | 1.3 | 2 | 1.3 | 2 | | AreaAnalysis | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{96}$ | $\Gamma(\gamma)$ | 1.3 | 2 | 1.3 | 2 | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Mo^{96}$ | $\Gamma(\gamma)$ | 1.1 | 2 | 1.3 | 2 | | AreaAnalysis | 2 | PR 179 1148 | Mar69 | ANL | Shwe. |
| | n-WIDTH | | | | | | | | | | | |
| $Mo^{96}$ | $\Gamma(n)$ | 1.3 | 2 | 1.3 | 2 | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Mo^{96}$ | $\Gamma(n)$ | 1.3 | 2 | 1.3 | 2 | | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Mo^{96}$ | $\Gamma(n)$ | 1.1 | 2 | 3.3 | 3 | | AreaAnalysis | 4 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{96}$ | $\Gamma(n)$ | 1.1 | 2 | 1.3 | 2 | | AreaAnalysis | 2 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{96}$ | $2g\Gamma(n)$ | 1.3 | 2 | 1.3 | 2 | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Mo^{96}$ | $\Gamma(n,l=0)$ | 1.3 | 2 | 1.3 | 2 | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Mo^{96}$ | $\Gamma(n,l=0)$ | 1.3 | 2 | 1.3 | 2 | | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Mo^{96}$ | $\Gamma(n,l=0)$ | 1.1 | 2 | 3.3 | 3 | | AreaAnalysis | 4 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{96}$ | $\Gamma(n,l=1)$ | 1.1 | 2 | 1.1 | 2 | | AreaAnalysis | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Mo^{96}$ | $\Gamma^2\sigma(0)$ | 1.3 | 2 | 1.3 | 2 | | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Mo^{96}$ | Resonance Energy | 3.7 | 3 | 3.7 | 3 | | AreaAnalysis | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Mo^{96}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Mo^{96}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | $(n,\gamma)$ REACTION | | | | | | | | | | | |
| $Mo^{97}$ | Sigma | 2.8 | 1 | 6.1 | 4 | | Slowing-Down | 60 | 64DUBNA- 104 | Jun64 | LEB | |
| | (n,p) REACTION | | | | | | | | | | | |
| $Mo^{97}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Mo^{97}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Mo^{97}$ | Sigma | 1.4 | 7 | 1.4 | 7 | $Cu^{63}(n,2n)$ | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Mo^{97}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Copper | Activation | 1 | NP A103 616 | Nov67 | ITY | Cuzzocrea,P.+ |
| $Mo^{97}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Mo^{97}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Mo^{97}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | 3 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | $\gamma$-WIDTH | | | | | | | | | | | |
| $Mo^{97}$ | $\Gamma(\gamma)$ | 7.1 | 1 | 7.1 | 1 | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Mo^{97}$ | $\Gamma(\gamma)$ | 7.1 | 1 | 5.8 | 2 | | AreaAnalysis | 3 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{97}$ | $\Gamma(\gamma)$ | 7.2 | 1 | 7.2 | 1 | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Mo^{97}$ | $\Gamma(\gamma)$ | 1.6 | 1 | 1.1 | 2 | | AreaAnalysis | 5 | PR 179 1148 | Mar69 | ANL | Shwe. |
| | n-WIDTH | | | | | | | | | | | |
| $Mo^{97}$ | $\Gamma(n)$ | 7.1 | 1 | 1.3 | 3 | | AreaAnalysis | 9 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{97}$ | $2g\Gamma(n)$ | 7.1 | 1 | 5.8 | 2 | | AreaAnalysis | 4 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Mo^{97}$ | $2g\Gamma(n)$ | 7.2 | 1 | 7.2 | 1 | | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Mo^{97}$ | $2g\Gamma(n)$ | 7.1 | 1 | 1.3 | 3 | | AreaAnalysis | 10 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{97}$ | $2g\Gamma(n)$ | 7.2 | 1 | 7.2 | 1 | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Mo^{97}$ | $2g\Gamma(n)$ | 1.6 | 1 | 1.5 | 3 | | AreaAnalysis | 11 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{97}$ | $2g\Gamma(n,l=0)$ | 7.1 | 1 | 5.8 | 2 | | AreaAnalysis | 4 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Mo^{97}$ | $2g\Gamma(n,l=0)$ | 7.2 | 1 | 7.2 | 1 | | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Mo^{97}$ | $2g\Gamma(n,l=0)$ | 7.1 | 1 | 1.3 | 3 | | AreaAnalysis | 10 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{97}$ | $\Gamma(n,l=1)$ | 2.1 | 2 | 3.1 | 2 | | AreaAnalysis | 3 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Mo^{97}$ | $\Gamma^2\sigma(0)$ | 7.2 | 1 | 7.2 | 1 | | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Mo^{97}$ | Resonance Energy | 2.7 | 2 | 2.0 | 3 | | AreaAnalysis | 4 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{97}$ | Resonance Energy | 7.1 | 1 | 1.2 | 3 | | Shape Analys* | 10 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| $Mo^{97}$ | Spin of Reson | 7.1 | 1 | 1.2 | 3 | | Shape Analys | 7 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | |
| $Mo^{97}$ | Strength Funct | 2.9 2 | 2.9 2 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Mo^{97}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Mo^{97}$ | Strength Fn(l=0) | 6.3 8 | 6.3 8 | | | Holograph | 1 | PR 166 1234 | Feb68 | COL | Wynchank. |
| $Mo^{97}$ | Strength Fn(l=0) | 7.7 2 | 7.7 2 | | | | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{97}$ | Strength Fn(l=1) | 7.7 2 | 7.7 2 | | | | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{97}$ | Level Spacing | 2.9 2 | 2.9 2 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Mo^{97}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Mo^{97}$ | Level Spacing | 7.7 2 | 7.7 2 | | | | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Mo^{98}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Mo^{98}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Mo^{98}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 91 1423 | Sep53 | BNL | Hughes,D.J.+ |
| $Mo^{98}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Mo^{98}$ | Sigma | 2.0 4 | 2.0 4 | N | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Mo^{98}$ | Sigma | 2.4 4 | 2.4 4 | | Indium | Activation | 1 | NP 9 569 | 59 | LVN | Vervier,J.P. |
| $Mo^{98}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Mo^{98}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 2 | JIN 21 1 | 61 | HAR | Cabell. |
| $Mo^{98}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 14 53 | Apr61 | AE | |
| $Mo^{98}$ | Sigma | 5.0 0 | 3.1 4 | | | Slowing-Down | 63 | AE 15 120 | Aug63 | LEB | Kapchigashev. |
| $Mo^{98}$ | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Mo^{98}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 29 2853 | Dec67 | CAN | Sims. |
| $Mo^{98}$ | Sigma | 1.0 6 | 1.0 6 | | Indium | * | 1 | 68WASH-1263 | Mar68 | MOL | Fabry,A.+ |
| $Mo^{98}$ | Sigma | 3.6 3 | 2.6 6 | | $U^{235}(n,f)$ | Activation | 28 | JNE 22 267 | May68 | ANL | Stupegia. |
| $Mo^{98}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Mo^{98}$ | Sigma | 2.3 5 | 2.7 6 | | $U^{235}(n,f)$ | Activation | 16 | AE 26 67 | Jan69 | ORN | Dovbenko. |
| $Mo^{98}$ | Reson Integral | 5.0 2 | 5.0 2 | | σ(Thermal) | Proportion C* | 1 | JNE 14 53 | Apr61 | AE | |
| $Mo^{98}$ | Reson Integral | 6.2 -1 | 6.2 -1 | | Au(n,γ) | Activation | 1 | DP- 817 | Jan63 | SRL | Baumann. |
| $Mo^{98}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | JIN 29 2853 | Dec67 | CAN | Sims. |
| | (n,p) REACTION | | | | | | | | | | |
| $Mo^{98}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Mo^{98}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Mo^{98}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 2 | NP 85 288 | Sep66 | SAH | Gujrathi,S.C.+ |
| $Mo^{98}$ | Sigma | 1.4 7 | 1.4 7 | | Copper | Activation | 1 | NP A103 616 | Nov67 | ITY | Cuzzocrea,P.+ |
| $Mo^{98}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Mo^{98}$ | Sigma | 2.0 6 | 2.0 6 | | | Activation | 1 | NUK 9 228 | Mar67 | MUN | Rau,G. |
| $Mo^{98}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Mo^{98}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 98 412 | Oct52 | ORL | Pomerance. |
| $Mo^{98}$ | Reson Integral | 5.0 5 | 5.0 5 | | Au(n,γ) | Activation | 1 | JIN 21 1 | 61 | HAR | Cabell. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Mo^{98}$ | Sigma | 1.8 5 | 1.2 8 | | Absolute | TimeOfFlight | 1934 | LANGSFORD 66A | Jan66 | HAR | Langsford,A.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Mo^{98}$ | Γ(γ) | 4.7 2 | 4.7 2 | | | AreaAnalysis | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{98}$ | Γ(γ) | 1.2 1 | 1.2 1 | | | Shape Analys | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{98}$ | Γ(γ) | 1.2 1 | 1.2 1 | | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Mo^{98}$ | Γ(γ) | 1.2 1 | 4.3 2 | | | AreaAnalysis | 2 | PR 179 1148 | Mar69 | ANL | Shwe. |
| | n-WIDTH | | | | | | | | | | |
| $Mo^{98}$ | Γ(n) | 4.3 2 | 9.0 3 | | | AreaAnalysis | 6 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{98}$ | Γ(n) | 1.2 1 | 1.2 1 | | | Shape Analys | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{98}$ | Γ(n) | 1.2 1 | 1.2 1 | | | TimeOfFlight | 1 | COTE 66 | 66 | ANL | Cote. |
| $Mo^{98}$ | Γ(n) | 1.2 1 | 1.1 3 | | | AreaAnalysis | 7 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{98}$ | 2gΓ(n) | 1.2 1 | 1.2 1 | | | | 1 | ZET 49 410 | Aug65 | DUB | Kim Hi San. |
| $Mo^{98}$ | Γ(n,l=0) | 4.3 2 | 9.0 3 | | | AreaAnalysis | 8 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{98}$ | Γ(n,l=0) | 1.2 1 | 1.2 1 | | | Shape Analys | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{98}$ | Γ(n,l=1) | 4.7 2 | 6.1 2 | | | AreaAnalysis | 2 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{98}$ | Γ(n,l=1) | 1.2 1 | 1.2 1 | | | Shape Analys | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Mo^{98}$ | Resonance Energy | 1.1 3 | 1.1 3 | | | AreaAnalysis | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Mo^{98}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Mo^{98}$ | Strength Fn(l=0) | 2.0 6 | 2.0 6 | | | | 1 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Mo^{98}$ | Strength Fn(l=0) | 1.5 3 | 1.5 3 | | | Holograph | 1 | PR 166 1234 | Feb68 | COL | Wynchank. |
| $Mo^{98}$ | Strength Fn(l=0) | 7.7 2 | 7.7 2 | | | | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{98}$ | Strength Fn(l=1) | 2.0 6 | 2.0 6 | | | | 1 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Mo^{98}$ | Strength Fn(l=2) | 2.0 6 | 2.0 6 | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Mo^{98}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Mo^{98}$ | Level Spacing | 2.4 4 | 2.4 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Mo^{100}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Mo^{100}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Mo^{100}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 2 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Mo^{100}$ | Sigma | 2.5 6 | 4.0 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Mo^{100}$ | Sigma | 2.5 6 | 4.0 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Mo^{100}$ | Sigma | 2.0 5 | 4.0 6 | | $I^{127}$ | Activation | 6 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Mo^{100}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Mo^{100}$ | Sigma | 2.4 4 | 2.4 4 | | Indium | Activation | 1 | NP 9 569 | 59 | LVN | Vervier,J.P. |
| $Mo^{100}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Mo^{100}$ | Sigma | 1.5 5 | 6.2 6 | | $U^{235}(n,f)$ | Activation | 24 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Mo^{100}$ | Sigma | 1.5 5 | 1.0 6 | N | $U^{235}(n,f)$ | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Mo^{100}$ | Sigma | 4.0 3 | 1.5 5 | | | Activation | 9 | AP 10 477 | 60 | DKE | Weston. |
| $Mo^{100}$ | Sigma | 4.0 3 | 1.5 5 | N | | Activation | 9 | AP 10 477 | 60 | DKE | Weston. |
| $Mo^{100}$ | Sigma | 2.5 4 | 2.1 6 | | $U^{235}(n,f)$ | Ring Geomtry | 18 | TOLSTIKOV 60 | 60 | CCP | Tolstikov. |
| $Mo^{100}$ | Sigma | 2.5 4 | 8.0 5 | N | $U^{235}(n,f)$ | Ring Geomtry | 12 | TOLSTIKOV 60 | 60 | CCP | Tolstikov. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | |
| $Mo^{100}$ | Sigma | 1.9 2 | 3.5 4 | | | Slowing-Down | 39 | AE 15 120 | Aug63 | LEB | Kapchigashev. |
| $Mo^{100}$ | Sigma | 5.0 3 | 1.6 5 | | σ(E≠E(th)) | Ring Geomtry | 8 | AE 17 505 | Dec64 | CCP | Tolstikov. |
| $Mo^{100}$ | Reson Integral | 6.2 -1 | 6.2 -1 | | Au(n,γ) | Activation | 1 | DP- 817 | Jan63 | SRL | Baumann. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Mo^{100}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Mo^{100}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Mo^{100}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Mo^{100}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Mo^{100}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Mo^{100}$ | Sigma | 1.4 7 | 1.4 7 | | Copper | Activation | 1 | NP A103 616 | Nov67 | ITY | Cuzzocrea,P.+ |
| $Mo^{100}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | BAP 14 495 | Apr69 | GIT | Ranakumar. |
| $Mo^{100}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Mo^{100}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Mo^{100}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | NP 30 49 | Feb62 | RBZ | Strohal,P.+ |
| $Mo^{100}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Mo^{100}$ | Sigma | 1.4 7 | 1.4 7 | | Copper | Activation | 1 | NP A103 616 | Nov67 | ITY | Cuzzocrea,P.+ |
| $Mo^{100}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Mo^{100}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | |
| $Mo^{100}$ | Γ(γ) | 3.6 2 | 3.6 2 | | | AreaAnalysis | 1 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{100}$ | Γ(γ) | 9.7 1 | 9.7 1 | | | AreaAnalysis | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| | n-WIDTH | | | | | | | | | | |
| $Mo^{100}$ | Γ(n) | 9.9 1 | 1.9 3 | | | AreaAnalysis | 5 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{100}$ | 2gΓ(n) | 9.7 1 | 9.7 1 | | | AreaAnalysis | 1 | PR 179 1148 | Mar69 | ANL | Shwe. |
| $Mo^{100}$ | Γ(n,l=0) | 9.9 1 | 1.9 3 | | | AreaAnalysis | 6 | ZET 44 1187 | 63 | CCP | Pevzner. |
| $Mo^{100}$ | Γ(n,l=1) | 9.9 1 | 3.6 2 | | | AreaAnalysis | 2 | ZET 44 1187 | 63 | CCP | Pevzner. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Mo^{100}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Mo^{100}$ | Strength Fn(l=0) | 2.0 6 | 2.0 6 | | | | 1 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Mo^{100}$ | Strength Fn(l=0) | 6.2 2 | 6.2 2 | | | Holograph | 1 | PR 166 1234 | Feb68 | COL | Wynchank. |
| $Mo^{100}$ | Strength Fn(l=1) | 2.0 6 | 2.0 6 | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Mo^{100}$ | Strength Fn(l=2) | 2.0 6 | 2.0 6 | | | | 1 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Mo^{100}$ | Strength Fn(l=2) | 9.2 5 | 9.2 5 | | | | 1 | YF 5 129 | Jan67 | CCP | Kononov. |
| $Mo^{100}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | INEL SCATTERING | | | | | | | | | | |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP 73 349 | Nov65 | ANL | Golchert,N.W.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 1 | NP 73 349 | Nov65 | IIT | Golchert,N.W.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Tc99 | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | NRDC-103 | 58 | HAR | Hay.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Tc99 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| Tc99 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| | (n,2n) REACTION | | | | | | | | | | |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP 73 349 | Nov65 | ANL | Golchert,N.W.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP 73 349 | Nov65 | ANL | Golchert,N.W.+ |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 1 | NP 73 349 | Nov65 | IIT | Golchert,N.W.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP 73 349 | Nov65 | ANL | Golchert,N.W.+ |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 1 | NP 73 349 | Nov65 | IIT | Golchert,N.W.+ |
| | (n,n alpha) REACT | | | | | | | | | | |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP 73 349 | Nov65 | ANL | Golchert,N.W.+ |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 1 | NP 73 349 | Nov65 | IIT | Golchert,N.W.+ |
| | (n,p alpha) REACT | | | | | | | | | | |
| Tc99 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 1 | NP 73 349 | Nov65 | IIT | Golchert,N.W.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Tc99 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | ORNL-1975 31 | Sep55 | ORL | Pomerance. |
| Tc99 | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | NRDC-103 | 58 | HAR | Hay.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Tc99 | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | NRDC-103 | 58 | HAR | Hay.+ |
| Tc99 | Sigma | 1.0 -2 | 1.0 1 | | Absolute | Crystal Spec | 85 | 58GENEVA/16- 44 | Sep58 | HAR | Pattenden. |
| Tc99 | Sigma | 2.0 0 | 1.3 5 | | Absolute | TimeOfFlight | 110 | HARVEY 59L | Dec59 | ORL | Harvey. |
| Tc99 | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 237 | FOSTER 67E | May67 | BNW | Foster. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ru | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 3 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| Ru | Sigma | 1.7 5 | 1.0 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Ru | Sigma | 2.4 2 | 8.7 3 | | | TimeOfFlight | 36 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Ru | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ORNL-3679 12 | 64 | ORL | Halperin. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ru | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ru | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ru | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ru | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ru | Resen Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ru | Sigma | 3.0 4 | 6.5 5 | | | Accelerator | 102 | SETH 65J | Oct65 | DKE | Seth. |
| Ru | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 242 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | |
| Ru | Γ(γ) | 1.0 1 | 1.0 2 | | | AreaAnalysis | 3 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| | n-WIDTH | | | | | | | | | | |
| Ru | 2agΓ(n) | 1.0 1 | 3.5 2 | | | AreaAnalysis | 6 | NP 42 676 | 63 | BNL | Bolotin. |
| Ru | 2agΓ(n) | 1.0 1 | 1.4 2 | | | AreaAnalysis | 4 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| Ru | Γ | 2.5 1 | 1.6 2 | | | AreaAnalysis | 4 | NP 42 676 | 63 | BNL | Bolotin. |
| Ru | Γ | 1.0 1 | 1.0 2 | | | AreaAnalysis | 3 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| Ru | $\Gamma^2_o(0)$ | 9.8 0 | 4.1 1 | | | AreaAnalysis | 4 | PR 92 702 | Nov53 | COL | Melkonian,E.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Ru | Resonance Energy | 3.4 1 | 5.5 2 | | | Shape Analys* | 40 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Ru | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Ru | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ru^{96}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ru^{96}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ru^{96}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ru^{96}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | BAP 4 288 | Apr59 | ANL | Rayburn. |
| $Ru^{96}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Ru^{96}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| $Ru^{96}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | APA 23 42 | May66 | IRK | Rieder,R.+ |
| $Ru^{96}$ | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation * | 9 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Ru^{96}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| | (n,np)+(n,d) REACT | | | | | | | | | | |
| $Ru^{96}$ | Sigma | 1.4 7 | 1.4 7 | | | * | 1 | APA 23 42 | May66 | IRK | Rieder,R.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ru^{98}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ORNL-3679 12 | 64 | ORL | Halperin. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ru^{99}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ORNL-3679 12 | 64 | ORL | Halperin. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ru^{99}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ru^{99}$ | Sigma | 2.2 5 | 8.3 5 | | | | 2 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | |
| $Ru^{99}$ | Γ(γ) | 2.3 2 | 2.3 2 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ru^{99}$ | Γ(γ) | 2.5 1 | 2.5 1 | | | AreaAnalysis | 1 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| | n-WIDTH | | | | | | | | | | |
| $Ru^{99}$ | 2gΓ(n) | 2.3 2 | 2.3 2 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ru^{99}$ | 2gΓ(n) | 2.5 1 | 2.5 1 | | | AreaAnalysis | 1 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ru^{99}$ | Γ | 2.3 2 | 2.3 2 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ru^{99}$ | Γ | 2.5 1 | 2.5 1 | | | AreaAnalysis | 1 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ru^{99}$ | Resonance Energy | 2.5 1 | 5.1 2 | | | Shape Analys* | 12 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| $Ru^{99}$ | Spin of Reson | 2.5 1 | 2.5 1 | | | AreaAnalysis | 1 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Ru^{99}$ | Spin of Reson | 2.5 1 | 5.1 2 | | | Shape Analys | 12 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ru^{100}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ORNL-3679 12 | 64 | ORL | Halperin. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ru^{100}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 85 476 | Sep66 | MUA | Rama Prasad,P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Ru^{101}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ORNL-3679 12 | 64 | ORL | Halperin. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ru^{101}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ru^{101}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ru^{101}$ | Sigma | 2.2 5 | 8.3 5 | | | | 2 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | |
| $Ru^{101}$ | Γ(γ) | 4.2 1 | 3.8 2 | | | AreaAnalysis | 3 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ru^{101}$ | Γ(γ) | 1.6 1 | 5.2 1 | | | AreaAnalysis | 3 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| | n-WIDTH | | | | | | | | | | |
| $Ru^{101}$ | 2gΓ(n) | 1.6 1 | 4.6 2 | | | AreaAnalysis | 11 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ru^{101}$ | 2gΓ(n) | 1.6 1 | 1.1 2 | | | AreaAnalysis | 7 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ru^{101}$ | Γ | 4.2 1 | 3.8 2 | | | AreaAnalysis | 3 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ru^{101}$ | Γ | 1.6 1 | 5.2 1 | | | AreaAnalysis | 3 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ru^{101}$ | Resonance Energy | 4.2 1 | 5.4 2 | | | Shape Analys* | 25 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| $Ru^{101}$ | Spin of Reson | 4.2 1 | 4.2 1 | | | AreaAnalysis | 1 | 65ANTWRP-185 | Jul65 | DUB | Kim Hi San.+ |
| $Ru^{101}$ | Spin of Reson | 4.2 1 | 5.4 2 | | | Shape Analys | 24 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ru^{102}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ru^{102}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Ru^{102}$ | Sigma | 2.5 -2 | 2.5 -2 | | AnothA SameZ | Activation | 1 | NST 6 587 | Oct69 | JAE | Ishikawa,H. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ru^{102}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| $Ru^{102}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 85 476 | Sep66 | MUA | Rama Prasad,P.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Ru^{102}$ | Γ(γ) | 2.0 2 | 2.0 2 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| | n-WIDTH | | | | | | | | | | |
| $Ru^{102}$ | Γ(n) | 2.0 2 | 2.0 2 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ru^{102}$ | Γ | 2.0 2 | 2.0 2 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ru^{104}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ru^{104}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Ru^{104}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Ru^{104}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | ORNL-3679 11 | 64 | ORL | |
| $Ru^{104}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| $Ru^{104}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Ru^{104}$ | Sigma | 3.0 6 | 3.0 6 | | $P^{31}$(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Petc. |
| $Ru^{104}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | Activation | 1 | ORNL-3679 11 | 64 | ORL | |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ru^{104}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| $Ru^{104}$ | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation * | 8 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Ru^{104}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ru^{104}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ru^{105}$ | Sigma | 2.5 -2 | 2.5 -2 | | AnothA SameZ | Activation | 1 | NC 17 687 | 60 | OSU | Sharma. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ru^{106}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | NSE 21 20 | 65 | CR | Werner. |
| $Ru^{106}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | NSE 21 20 | 65 | CR | Werner. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Rh^{103}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Rh^{103}$ | Sigma | 2.5 6 | 4.0 6 | | $I^{127}$ | Activation | 6 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Rh^{103}$ | Sigma | 2.5 6 | 4.0 6 | M | $I^{127}$ | Activation | 6 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Rh^{103}$ | Sigma | 1.7 5 | 1.0 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| $Rh^{103}$ | Sigma | 6.5 4 | 6.5 4 | | Indium | Scint Tank | 1 | PR 122 182 | Apr61 | ORL | Gibbons. |
| $Rh^{103}$ | Sigma | 2.1 2 | 8.6 3 | | | TimeOfFlight | 57 | 61SACLAY-203 | Jul61 | ORL | Block. |
| $Rh^{103}$ | Sigma | 3.9 -1 | 3.4 4 | | | Slowing-Down | 96 | ZET 42 988 | 62 | LEB | Popov. |
| $Rh^{103}$ | Sigma | 1.1 2 | 2.7 4 | | | Moxon-Rae C | 664 | NIM 24 445 | 63 | HAR | Moxon,M.C.+ |
| $Rh^{103}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Rh^{103}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation * | 1 | NP 41 316 | Mar63 | DEB | Bacso,J.+ |
| $Rh^{103}$ | Sigma | 2.4 4 | 1.5 7 | | Stand Source | Activation * | 5 | NP 41 316 A | Mar63 | DEB | Csikai,J.+ |
| $Rh^{103}$ | Sigma | 3.2 -2 | 1.5 7 | | Grnd/Metast | Activation * | 5 | NP 41 316 A | Mar63 | DEB | Csikai,J.+ |
| $Rh^{103}$ | Sigma | 2.5 6 | 2.5 6 | | Ratio | Activation * | 1 | NP 41 316 A | Mar63 | DEB | Csikai,J.+ |
| $Rh^{103}$ | Sigma | 3.0 4 | 3.0 4 | | Indium | Scint Tank | 1 | PR 129 2695 | Mar63 | ORL | Macklin. |
| $Rh^{103}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | NP 60 241 | 64 | ANL | Bishop. |
| $Rh^{103}$ | Sigma | 1.4 5 | 1.7 6 | | $U^{235}(n,f)$ | Activation | 42 | PR 133B 378 | Jan64 | ANL | Cox,S.A. |
| $Rh^{103}$ | Sigma | 7.8 3 | 6.4 4 | | Ratio | Activation | 3 | ARB.BER- 19 | Nov65 | KPK | Poenitz,W.P. |
| $Rh^{103}$ | Sigma | 2.5 -2 | 2.5 -2 | | Indium | Activation | 2 | CJP 44 1985 | Sep66 | CR | Walker. |
| $Rh^{103}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 2 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| $Rh^{103}$ | Sigma | 1.3 7 | 1.5 7 | | σ(E≠E(th)) | Activation * | 7 | NP A 95 229 A | Mar67 | DEB | Csikai,J.+ |
| $Rh^{103}$ | Sigma | 7.0 4 | 1.8 5 | | $Ta^{181}$ | Liquid Scint | 4 | PR 159 1007 | Jul67 | ORL | Macklin. |
| $Rh^{103}$ | Sigma | 3.0 6 | 3.0 6 | | Al(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Rh^{103}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint* | 1 | NP A173 551 | Oct71 | FR | Rigaud,F.+ |
| $Rh^{103}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| $Rh^{103}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Indium | Activation | 3 | CJP 44 1985 | Sep66 | CR | Walker. |
| $Rh^{103}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 156 | BAS 29 739 | May65 | CCP | Sumbaev,O.I.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| $Rh^{103}$ | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 14 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| $Rh^{103}$ | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 14 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 1 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| $Rh^{103}$ | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| $Rh^{103}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Rh^{103}$ | Sigma | 1.4 7 | 1.4 7 | | Copper | Activation | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Rh^{103}$ | Sigma | 1.7 5 | 1.5 7 | | | Activation | 39 | 68WASH- 803 | Mar68 | CR | Butler. |
| $Rh^{103}$ | Sigma | 4.8 6 | 1.5 7 | | $S^{32}(n,p)$ | Activation | 22 | 68WASH- 803 | Mar68 | CR | Butler. |
| $Rh^{103}$ | Sigma | 1.8 5 | 4.6 6 | | | Activation | 14 | NST 6 485 | Sep69 | KTO | Kimura,I.+ |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Indium | Activation * | 1 | CSIKAI 71A | Jan71 | KOS | Csikai,G. |
| $Rh^{103}$ | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 12 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| $Rh^{103}$ | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 9 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 2.8 5 | 1.1 6 | | $Ta^{181}$ | CrystalScint | 32 | PR 107 155 | Jul57 | BAR | Rothman. |
| $Rh^{103}$ | Ang Distrib | 2.5 6 | 2.5 6 | | $Co^{59}$ | | 5 | SCHERRER 55J | Oct55 | NRL | Scherrer. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 1.0 7 | 1.5 7 | | H(n,n) | Count Telesc | 10 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Rh^{103}$ | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation * | 8 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| $Rh^{103}$ | Sigma | 1.1 7 | 2.0 7 | | Absolute | Activation * | 78 | ZP 238 23 | Sep70 | GEL | Paulsen,A.+ |
| | (n,3n) REACTION | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 2.0 7 | 2.0 7 | | Copper | Activation * | 1 | NP A118 379 | Oct68 | GEL | Liskien,H. |
| $Rh^{103}$ | Sigma | 1.8 7 | 2.0 7 | | Absolute | Activation * | 6 | ZP 238 23 | Sep70 | GEL | Paulsen,A.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 1 | PM 2 785 | 57 | GLS | Brown. |
| $Rh^{103}$ | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | PR 108 779 | Nov57 | PEN | Verbinski. |
| $Rh^{103}$ | Ang Distrib | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 13 | PM 2 785 | 57 | GLS | Brown. |
| $Rh^{103}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Biased Scint | 8 | PR 108 779 | Nov57 | PEN | Verbinski. |
| $Rh^{103}$ | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Biased Scint | 1 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| $Rh^{103}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 18 | PR 123 1738 | Sep61 | BRN | Peck. |
| $Rh^{103}$ | (θ,E)-Distrib | 1.4 7 | 1.4 7 | | | * | 44 | PIGNANELLI 69A | Jan69 | MIL | Colli,L.+ |
| | (n,2p) REACTION | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 30 3145 | 68 | ARK | Husain. |
| | p-EMISSION | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 1 | PM 2 785 | 57 | GLS | Brown. |
| $Rh^{103}$ | Ang Distrib | 1.3 7 | 1.3 7 | | | Nuc Emulsion | 14 | PM 2 785 | 57 | GLS | Brown. |
| $Rh^{103}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 18 | PR 123 1738 | Sep61 | BRN | Peck. |
| $Rh^{103}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | * | 1 | NC 21 966 | Sep62 | MIL | Colli,L.+ |
| | (n,$He^3$) REACTION | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 117 1568 | Mar60 | ARK | Kumabe. |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Accelerator * | 1 | APA 20 304 | Aug65 | IRK | Prevert,B. |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | CSIKAI 65H | Aug65 | HUN | Csikai. |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | AHP 21 225 | 66 | DEB | Csikai,J. |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 30 3145 | 68 | ARK | Husain. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Stand Source | Activation * | 1 | NP 41 316 A | Mar63 | DEB | Csikai,J.+ |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | | Count Telesc | 4 | NP 73 548 | Nov65 | RBZ | Kulisic,P.+ |
| $Rh^{103}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 85 476 | Sep66 | MUA | Rama Prasad,P.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,n alpha) REACT | | | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | NP 75 215 | Jan66 | PPO | Gray. |
| $Rh^{103}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | JIN 30 3145 | 68 | ARK | Husain. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Rh^{103}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Rh^{103}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Rh^{103}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Rh^{103}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | AERE/R-2333 | 57 | HAR | Cummins. |
| $Rh^{103}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | JAERI-1009 | Jul60 | JAE | Fuketa,T.+ |
| $Rh^{103}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Rh^{103}$ | Sigma | 1.3 | 0 | 1.3 | 0 | | σ(Total) | Neutron Det | 1 | CJP 31 432 | May53 | CRC | Brockhouse,B.N. |
| $Rh^{103}$ | Sigma | 3.0 | 1 | 2.9 | 2 | | Absolute | TimeOfFlight | 95 | PIRK 58C | Mar58 | HAR | Pirk. |
| $Rh^{103}$ | Sigma | 1.5 | 1 | 1.3 | 4 | | Absolute | TimeOfFlight | 157 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| $Rh^{103}$ | Sigma | 1.9 | 1 | 5.0 | 2 | | Absolute | TimeOfFlight | 1987 | JPR 22 708 | 61 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Sigma | 2.3 | 1 | 3.0 | 2 | | Absolute | TimeOfFlight | 634 | AERE/R-4131 | Sep63 | HAR | Pattenden. |
| $Rh^{103}$ | Sigma | 1.0 | 4 | 1.0 | 5 | | Absolute | TimeOfFlight | 10 | PR 137B 83 | Jan65 | BNL | Jain,A.P.+ |
| $Rh^{103}$ | Sigma | 4.0 | 3 | 6.4 | 5 | | Absolute | Accelerator | 122 | PL 16 306 | Jun65 | DKE | Seth. |
| $Rh^{103}$ | Sigma | 1.8 | 2 | 7.6 | 2 | | Absolute | TimeOfFlight | 3002 | 65ANTWRP-165 | Jul65 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Sigma | 6.3 | 2 | 4.2 | 3 | | Absolute | TimeOfFlight | 3674 | RIBON 66J | Oct66 | SAC | Ribon,P. |
| $Rh^{103}$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 242 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Rh^{103}$ | Γ(γ) | 9.5 | 1 | 2.7 | 2 | | | TimeOfFlight | 9 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| $Rh^{103}$ | Γ(γ) | 4.7 | 1 | 3.2 | 2 | | | TimeOfFlight | 6 | AEC/TR-5734 48 | 62 | CCP | |
| $Rh^{103}$ | Γ(γ) | 1.5 | 2 | 2.9 | 2 | | | TimeOfFlight | 5 | AEC/TR-5734 52 | 62 | CCP | |
| $Rh^{103}$ | Γ(γ) | 4.7 | 1 | 3.2 | 2 | | | Selfindicatn | 9 | ZET 45 1743 | Dec63 | DUB | Wang. |
| $Rh^{103}$ | Γ(γ) | 1.3 | 0 | 7.0 | 2 | | | TimeOfFlight | 35 | 65ANTWRP-165 | Jul65 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Γ(γ) | 1.3 | 0 | 4.1 | 3 | | | Shape Analys* | 124 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| $Rh^{103}$ | <Γ(γ)> | 4.1 | 3 | 4.1 | 3 | | | Shape Analys* | 1 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Rh^{103}$ | Γ(n) | 1.2 | 2 | 2.9 | 2 | | | TimeOfFlight | 9 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| $Rh^{103}$ | Γ(n) | 9.5 | 1 | 9.5 | 1 | R | | TimeOfFlight | 2 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| $Rh^{103}$ | Γ(n) | 1.5 | 2 | 5.5 | 2 | | | AreaAnalysis* | 7 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Rh^{103}$ | gΓ(n) | 1.3 | 0 | 1.3 | 0 | | | * | 1 | 68MADRAS-288 | Feb68 | TRM | Ramakrishna,D.V.S.+ |
| $Rh^{103}$ | 2gΓ(n) | 1.3 | 0 | 1.3 | 0 | | | Crystal Spec | 1 | PR 91 53 | Jul53 | BNL | Sailor,V.L. |
| $Rh^{103}$ | 2gΓ(n) | 1.3 | 0 | 1.3 | 0 | | | Crystal Spec | 1 | AERE/NP/M- 87 | 58 | HAR | |
| $Rh^{103}$ | 2gΓ(n) | 4.4 | 1 | 3.3 | 2 | | | AreaAnalysis | 12 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| $Rh^{103}$ | 2gΓ(n) | 3.1 | 2 | 6.3 | 2 | | | TimeOfFlight | 5 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| $Rh^{103}$ | 2gΓ(n) | 3.4 | 1 | 1.1 | 2 | | | TimeOfFlight | 23 | AEC/TR-5734 48 | 62 | CCP | |
| $Rh^{103}$ | 2gΓ(n) | 3.4 | 1 | 3.2 | 2 | | | Selfindicatn | 17 | ZET 45 1743 | Dec63 | DUB | Wang. |
| $Rh^{103}$ | 2gΓ(n) | 3.4 | 1 | 2.9 | 2 | | | AreaAnalysis | 14 | PATTENDEN 64D | Apr64 | HAR | Pattenden. |
| $Rh^{103}$ | 2gΓ(n) | 1.3 | 0 | 7.6 | 2 | | | TimeOfFlight | 63 | 65ANTWRP-165 | Jul65 | SAC | Ribon,P.+ |
| $Rh^{103}$ | 2gΓ(n) | 1.3 | 0 | 4.1 | 3 | | | Shape Analys* | 274 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| $Rh^{103}$ | 2gΓ(n,l=0) | 3.4 | 1 | 3.2 | 2 | | | Selfindicatn | 17 | ZET 45 1743 | Dec63 | DUB | Wang. |
| $Rh^{103}$ | 2gΓ(n,l=0) | 3.4 | 1 | 2.9 | 2 | | | AreaAnalysis | 14 | PATTENDEN 64D | Apr64 | HAR | Pattenden. |
| $Rh^{103}$ | 2gΓ(n,l=0) | 1.3 | 0 | 4.1 | 3 | | | Shape Analys* | 274 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Rh^{103}$ | Γ | 1.3 | 0 | 1.3 | 0 | | σ(Total) | Neutron Det | 1 | CJP 31 432 | May53 | CRC | Brockhouse,B.N. |
| $Rh^{103}$ | Γ | 1.3 | 0 | 1.3 | 0 | | | Crystal Spec | 1 | PR 91 53 | Jul53 | BNL | Sailor,V.L. |
| $Rh^{103}$ | Γ | 1.3 | 0 | 1.3 | 0 | | | Crystal Spec | 1 | AERE/NP/M- 87 | 58 | HAR | |
| $Rh^{103}$ | Γ | 4.7 | 1 | 9.6 | 1 | | | TimeOfFlight | 3 | JPR 22 708 | 61 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Γ | 4.7 | 1 | 6.5 | 2 | | | TimeOfFlight | 11 | AEC/TR-5734 48 | 62 | CCP | |
| $Rh^{103}$ | Γ | 4.7 | 1 | 3.2 | 2 | | | Selfindicatn | 9 | ZET 45 1743 | Dec63 | DUB | Wang. |
| $Rh^{103}$ | Γ | 1.3 | 0 | 7.0 | 2 | | | Shape Analys | 34 | 65ANTWRP-165 | Jul65 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Γ | 1.3 | 0 | 1.3 | 0 | | | * | 1 | 68MADRAS-288 | Feb68 | TRM | Ramakrishna,D.V.S.+ |
| $Rh^{103}$ | Γ | 1.5 | 2 | 5.5 | 2 | | | AreaAnalysis* | 7 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Rh^{103}$ | Γ | 1.3 | 0 | 4.1 | 3 | | | Shape Analys* | 124 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Γσ(0) | 4.6 | 1 | 1.2 | 2 | | | TimeOfFlight | 4 | PIRK 58C | Mar58 | HAR | Pirk. |
| $Rh^{103}$ | $Γ^2σ(0)$ | 1.3 | 0 | 1.3 | 0 | | | Crystal Spec | 1 | PR 91 53 | Jul53 | BNL | Sailor,V.L. |
| $Rh^{103}$ | $Γ^2σ(0)$ | 1.5 | 2 | 1.9 | 2 | | | TimeOfFlight | 2 | EVANS 57 | 57 | HAR | Evans. |
| $Rh^{103}$ | $Γ^2σ(0)$ | 1.2 | 2 | 1.2 | 2 | | | TimeOfFlight | 1 | PIRK 59 | 58 | HAR | Pirk. |
| $Rh^{103}$ | $Γ^2σ(0)$ | 1.5 | 2 | 1.9 | 2 | | | TimeOfFlight | 2 | PIRK 58C | Mar58 | HAR | Pirk. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Rh^{103}$ | Resonance Energy | 3.3 | 2 | 1.9 | 3 | | | TimeOfFlight | 64 | BIS 1960 | Apr60 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Resonance Energy | 3.4 | 1 | 1.3 | 3 | | | TimeOfFlight | 31 | JPR 22 708 | 61 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Resonance Energy | 3.4 | 1 | 3.7 | 2 | | | TimeOfFlight | 21 | CR 254 2546 | 62 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Resonance Energy | 1.9 | 1 | 1.9 | 1 | | | TimeOfFlight | 1 | AERE/PR/NP- 2 26 | May62 | HAR | Pattenden. |
| $Rh^{103}$ | Resonance Energy | 3.4 | 1 | 1.6 | 2 | | | TimeOfFlight | 5 | AERE/PR/NP- 2 27 | May62 | HAR | Brooks,P.D.+ |
| $Rh^{103}$ | Resonance Energy | 3.6 | 2 | 8.4 | 2 | | | Selfindicatn | 9 | ZET 45 1743 | Dec63 | DUB | Wang. |
| $Rh^{103}$ | Resonance Energy | 1.3 | 0 | 1.3 | 0 | | | * | 1 | 68MADRAS-288 | Feb68 | TRM | Ramakrishna,D.V.S.+ |
| $Rh^{103}$ | Resonance Energy | 1.5 | 2 | 5.5 | 2 | | | AreaAnalysis* | 7 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Rh^{103}$ | Resonance Energy | 1.3 | 0 | 4.1 | 3 | | | Shape Analys* | 274 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Resonance Energy | 9.6 | 1 | 1.9 | 2 | | | * | 3 | PR C 2 1793 | Nov70 | BNL | Rimawi,K.+ |
| $Rh^{103}$ | σ(0) | 1.3 | 0 | 1.3 | 0 | | | Crystal Spec | 1 | PR 91 53 | Jul53 | BNL | Sailor,V.L. |
| $Rh^{103}$ | σ(0) | 1.3 | 0 | 1.3 | 0 | | | Crystal Spec | 1 | AERE/NP/M- 87 | 58 | HAR | |
| $Rh^{103}$ | σ(0) | 4.6 | 1 | 9.5 | 1 | | | TimeOfFlight | 3 | PIRK 58 | 58 | HAR | Pirk. |
| $Rh^{103}$ | σ(0) | 4.7 | 1 | 9.6 | 1 | | | TimeOfFlight | 3 | JPR 22 708 | 61 | SAC | Ribon,P.+ |
| $Rh^{103}$ | σ(0) | 1.3 | 0 | 1.3 | 0 | | | * | 1 | 68MADRAS-288 | Feb68 | TRM | Ramakrishna,D.V.S.+ |
| $Rh^{103}$ | Spin of Reson | 1.3 | 0 | 1.3 | 0 | | | | 1 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| $Rh^{103}$ | Spin of Reson | 1.8 | 2 | 6.3 | 2 | | | | 6 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| $Rh^{103}$ | Spin of Reson | 1.5 | 2 | 2.9 | 2 | | | TimeOfFlight | 5 | AEC/TR-5734 52 | 62 | CCP | |
| $Rh^{103}$ | Spin of Reson | 9.5 | 1 | 3.2 | 2 | | | CaptureGamma | 8 | ZET 45 1743 | Dec63 | DUB | Wang. |
| $Rh^{103}$ | Spin of Reson | 1.5 | 2 | 5.5 | 2 | | | AreaAnalysis* | 7 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Rh^{103}$ | Spin of Reson | 1.3 | 0 | 4.1 | 3 | | | Shape Analys* | 65 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Spin of Reson | 9.6 | 1 | 1.9 | 2 | | | * | 3 | PR C 2 1793 | Nov70 | BNL | Rimawi,K.+ |
| $Rh^{103}$ | n-Orbit Ang Mom | 1.3 | 0 | 4.1 | 3 | | | Shape Analys* | 119 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Rh^{103}$ | Strength Fn(l=0) | 1.7 | 2 | 1.7 | 2 | | | TimeOfFlight | 1 | AEC/TR-5734 48 | 62 | CCP | |
| $Rh^{103}$ | Strength Fn(l=0) | 1.6 | 2 | 1.6 | 2 | | | | 1 | AERE/PR/NP- 4 10 | May63 | HAR | Pattenden,N.J.+ |
| $Rh^{103}$ | Strength Fn(l=0) | 1.7 | 2 | 1.7 | 2 | | | Selfindicatn | 1 | ZET 45 1743 | Dec63 | DUB | Wang. |
| $Rh^{103}$ | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Rh^{103}$ | Strength Fn(l=0) | 8.0 | 2 | 8.0 | 2 | | | Shape Analys | 2 | 65ANTWRP-165 | Jul65 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YP 4 686 | Oct66 | CCP | Kapchigashev,S |
| $Rh^{103}$ | Strength Fn(l=0) | 2.0 | 6 | 2.0 | 6 | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Rh^{103}$ | Strength Fn(l=0) | 4.1 | 3 | 4.1 | 3 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Rh^{103}$ | Strength Fn(l=0) | 4.1 | 3 | 4.1 | 3 | | | Shape Analys* | 9 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Strength Fn(l=1) | 1.6 | 2 | 1.6 | 2 | | | | 1 | AERE/PR/NP- 4 10 | May63 | HAR | Pattenden,N.J.+ |
| $Rh^{103}$ | Strength Fn(l=1) | 8.0 | 2 | 8.0 | 2 | | | Shape Analys | 1 | JPR 24 987 | Nov63 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Strength Fn(l=1) | 1.7 | 2 | 1.7 | 2 | | | Selfindicatn | 1 | ZET 45 1743 | Dec63 | DUB | Wang. |
| $Rh^{103}$ | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Rh^{103}$ | Strength Fn(l=1) | 6.4 | 4 | 6.4 | 4 | | | | 1 | EANDC/E- 66 5 | Feb66 | KPK | Poenitz,W. |
| $Rh^{103}$ | Strength Fn(l=1) | 2.0 | 6 | 2.0 | 6 | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Rh^{103}$ | Strength Fn(l=1) | 4.1 | 3 | 4.1 | 3 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Rh^{103}$ | Strength Fn(l=1) | 1.3 | 3 | 1.3 | 3 | | | Shape Analys* | 2 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| $Rh^{103}$ | Strength Fn(l=2) | 2.0 | 6 | 2.0 | 6 | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Rh^{103}$ | Level Spacing | 1.7 | 2 | 1.7 | 2 | | | Selfindicatn | 1 | ZET 45 1743 | Dec63 | DUB | Wang. |
| $Rh^{103}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YP 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Rh^{103}$ | Level Spacing | 5.0 | 4 | 5.0 | 4 | | | Slowing-Down | 1 | YP 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Rh^{103}$ | Lvl Spacing(l=0) | 4.1 | 3 | 4.1 | 3 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Rh^{103}$ | Lvl Spacing(l=0) | 4.1 | 3 | 4.1 | 3 | | | Shape Analys* | 1 | NP A143 130 | Mar70 | SAC | Ribon,P.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Rh^{104}$ | Spin cut-off Par | 2.4 | 4 | 2.4 | 4 | | | * | 1 | NP A117 545 | Sep68 | MUA | Chaubey,A.K.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Rh^{105}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | JIN 24 1009 | 62 | ANL | Cuninghame. |
| $Rh^{105}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | ANL-6797 388 | 63 | ANL | Glendenin. |
| $Rh^{105}$ | Sigma | 2.5 | -2 | 2.5 | -2 | S | $Co^{59}$ | Activation | 1 | ANL-6797 388 | 63 | ANL | Glendenin. |
| $Rh^{105}$ | Sigma | 2.5 | -2 | 2.5 | -2 | S | | Activation | 1 | ORNL-3488 16 | 63 | ORL | Lantz. |
| $Rh^{105}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | NSE 20 298 | 64 | ANL | Glendenin. |
| $Rh^{105}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | AnothA SameZ | Activation | 1 | ORNL-3679 12 | 64 | ORL | Halperin. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Pd | Sigma | 1.0 4 | 1.7 5 | | Indium | Scint Tank | 38 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Pd | Sigma | 2.0 2 | 8.6 3 | | | TimeOfFlight | 40 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Pd | Sigma | 1.2 4 | 1.6 5 | N | Au(n,γ) | Scint Tank | 71 | 66PARIS/I- 513 | Oct66 | KFK | Kompe,D. |
| Pd | Sigma | 1.2 4 | 1.6 5 | | Au(n,γ) | Scint Tank | 71 | KFK- 635 | Oct67 | KFK | Poenitz,W.P.+ |
| Pd | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| Pd | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 41 | BAS 29 760 | May65 | CCP | Groshev,L.V.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Pd | Sigma | 6.0 4 | 1.8 6 | | Carbon | Diff Sig Int | 22 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Pd | Ang Distrib | 6.0 4 | 1.8 6 | | Carbon | ModeratrTank | 110 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Pd | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pd | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Scattering | 1 | PR 83 379 | Jul51 | BNL | Weiss. |
| Pd | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pd | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pd | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Pd | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | PR 108 779 | Nov57 | PEN | Verbinski. |
| Pd | Ang Distrib | 1.4 7 | 1.4 7 | | | Biased Scint | 5 | PR 108 779 | Nov57 | PEN | Verbinski. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Pd | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,P.C.W.+ |
| Pd | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Pd | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Pd | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Pd | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Pd | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Pd | Sigma | 8.2 0 | 7.6 4 | | Absolute | TimeOfFlight | 382 | 55GENEVA/ 4- 22 | Aug55 | CCP | Vladimirski. |
| Pd | Sigma | 1.5 7 | 1.5 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| Pd | Sigma | 7.0 6 | 2.6 7 | S | Absolute | Biased Scint | 6 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Pd | Sigma | 6.8 6 | 1.5 7 | | Absolute | Biased Scint | 6 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Pd | Sigma | 5.0 3 | 2.9 5 | | Absolute | Accelerator | 61 | BILPUCH 59I | Sep59 | DKE | Bilpuch. |
| Pd | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Pd | Sigma | 2.0 -3 | 6.3 -2 | | Absolute | Crystal Spec | 47 | 62MADRAS-369 | Mar62 | TRM | Duggal. |
| Pd | Sigma | 1.2 0 | 1.0 1 | | Absolute | TimeOfFlight | 25 | 63KRLSRH-112 | Oct63 | KIL | Biel,W.+ |
| Pd | Sigma | 5.0 3 | 6.4 5 | | Absolute | Accelerator | 95 | PL 16 306 | Jun65 | DKE | Seth. |
| Pd | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 252 | POSTER 67E | May67 | BNW | Foster. |
| Pd | Sigma | 4.8 -3 | 9.3 0 | | Absolute | TimeOfFlight | 177 | NSE 30 145 | Oct67 | MIT | Teich,M.C.+ |
| Pd | Sigma | 1.0 5 | 1.5 6 | | Absolute | Transmission* | 670 | WHALEN 70P 3 | Jun70 | ANL | Whalen,J.F.+ |
| | γ-WIDTH | | | | | | | | | | |
| Pd | Γ(γ) | 1.3 1 | 3.2 1 | | Absolute | AreaAnalysis | 3 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| | n-WIDTH | | | | | | | | | | |
| Pd | 2agΓ(n) | 1.1 2 | 3.0 2 | | | AreaAnalysis | 3 | CHRIEN 59 | 59 | BNL | Chrien. |
| Pd | 2agΓ(n,l=0) | 1.1 2 | 3.0 2 | | | AreaAnalysis | 3 | CHRIEN 59 | 59 | BNL | Chrien. |
| | TOTAL WIDTH | | | | | | | | | | |
| Pd | Γ | 2.8 2 | 2.8 2 | | Absolute | AreaAnalysis | 1 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Pd | Γ | 3.0 6 | 3.0 6 | | | TimeOfFlight | 1 | NSE 30 145 | Oct67 | MIT | Teich,M.C.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Pd | Resonance Energy | 1.9 2 | 9.2 2 | | | AreaAnalysis | 8 | CHRIEN 59 | 59 | BNL | Chrien. |
| Pd | Resonance Energy | 2.9 0 | 3.3 1 | | | TimeOfFlight | 4 | NWS 50 236 | 63 | KIL | |
| Pd | Resonance Energy | 6.3 1 | 8.0 2 | | | Shape Analys* | 62 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| Pd | σ(0) | 3.0 6 | 3.0 6 | | | TimeOfFlight | 1 | NSE 30 145 | Oct67 | MIT | Teich,M.C.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Pd | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Pd | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Pd | Strength Fn(l=1) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Pd | Strength Fn(l=2) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Pd | Str Fnct Part(γ) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Pd^{102}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| $Pd^{102}$ | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation * | 9 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Pd^{104}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| | (n,p) REACTION | | | | | | | | | | |
| $Pd^{105}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pd^{105}$ | Sigma | 2.4 4 | 2.4 4 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | |
| $Pd^{105}$ | Γ(γ) | 1.2 1 | 5.6 1 | | Absolute | Shape Analys | 5 | PL 16 159 | May65 | ISP | Coceva,C.+ |
| $Pd^{105}$ | Γ(γ) | 1.2 1 | 5.6 1 | | | Shape Analys | 5 | 65ANTWRP- 72 | Jul65 | ISP | Coceva,C.+ |
| | n-WIDTH | | | | | | | | | | |
| $Pd^{105}$ | Γ(n) | 1.2 1 | 5.6 1 | | Absolute | Shape Analys | 6 | PL 16 159 | May65 | ISP | Coceva,C.+ |
| $Pd^{105}$ | Γ(n) | 1.2 1 | 8.7 1 | | | Shape Analys | 9 | 65ANTWRP- 72 | Jul65 | ISP | Coceva,C.+ |
| $Pd^{105}$ | 2gΓ(n) | 1.2 1 | 3.6 2 | | | AreaAnalysis | 13 | CHRIEN 59 | 59 | BNL | Chrien. |
| $Pd^{105}$ | 2gΓ(n) | 9.4 1 | 9.4 1 | | | AreaAnalysis | 1 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| $Pd^{105}$ | Γ(n,l=0) | 1.2 1 | 5.6 1 | | Absolute | Shape Analys | 6 | PL 16 159 | May65 | ISP | Coceva,C.+ |
| $Pd^{105}$ | Γ(n,l=0) | 1.2 1 | 8.7 1 | | | Shape Analys | 9 | 65ANTWRP- 72 | Jul65 | ISP | Coceva,C.+ |
| $Pd^{105}$ | 2gΓ(n,l=0) | 1.2 1 | 1.5 2 | | | AreaAnalysis | 12 | CHRIEN 59 | 59 | BNL | Chrien. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | |
| $Pd^{105}$ | $2g\Gamma(n,l=0)$ | 9.4 | 1 | 9.4 | 1 | | | AreaAnalysis | 1 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Pd^{105}$ | Resonance Energy | 5.5 | 1 | 8.1 | 2 | | | Shape Analys* | 54 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| $Pd^{105}$ | Resonance Energy | 1.2 | 1 | 3.1 | 2 | | | * | 13 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| $Pd^{105}$ | Spin of Reson | 1.2 | 1 | 3.9 | 2 | | | CaptureGamma | 26 | 64PARIS/II- 673 | Jul64 | ANL | Bollinger. |
| $Pd^{105}$ | Spin of Reson | 1.2 | 1 | 1.5 | 2 | | Absolute | TimeOfFlight | 12 | PL 16 159 | May65 | ISP | Coceva,C.+ |
| $Pd^{105}$ | Spin of Reson | 1.2 | 1 | 8.7 | 1 | | | Shape Analys | 9 | 65ANTWRP- 72 | Jul65 | ISP | Coceva,C.+ |
| $Pd^{105}$ | Spin of Reson | 5.5 | 1 | 8.1 | 2 | | | Shape Analys | 50 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| $Pd^{105}$ | Spin of Reson | 1.2 | 1 | 3.1 | 2 | | | * | 13 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Pd^{105}$ | Strength Fn(l=0) | 9.0 | 1 | 9.0 | 1 | | | Transmission | 2 | 65ANTWRP- 72 | Jul65 | ISP | Coceva,C.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Pd^{106}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 2 | ORNL-3679 10 | 64 | ORL | |
| $Pd^{106}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NSE 31 545 | Mar68 | USA | Tilbury. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Pd^{106}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Pd^{106}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Ge(Li) Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Pd^{106}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | Activation | 1 | ORNL-3679 10 | 64 | ORL | |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Pd^{108}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Pd^{108}$ | Sigma | 2.4 | 4 | 2.4 | 4 | S | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Pd^{108}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | ZN A 13 820 | 58 | GER | Meister. |
| $Pd^{108}$ | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Pd^{108}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 2 | NP 12 261 | 59 | MUA | Sehgal. |
| $Pd^{108}$ | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Pd^{108}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Pd^{108}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | NP 60 241 | 64 | ANL | Bishop. |
| $Pd^{108}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Pd^{108}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NSE 31 545 | Mar68 | USA | Tilbury. |
| $Pd^{108}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 2 | NP A117 545 A | Sep68 | MUA | Chaubey,A.K.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Pd^{108}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation * | 1 | NP A118 449 | Oct68 | TUR | Minetti,B.+ |
| $Pd^{108}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Ge(Li) Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | (n,np) REACTION | | | | | | | | | | | | |
| $Pd^{108}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 74 632 | 59 | ALD | Barry,J.F.+ |
| | (n,np)+(n,d) REACT | | | | | | | | | | | | |
| $Pd^{108}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | 1 | 63BOMBAY-240 | Feb63 | SAH | Ganguly. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Pd^{108}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 1 | PR 110 531 | Apr58 | ORL | Blosser. |
| $Pd^{108}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| $Pd^{108}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Ge(Li) Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Pd^{108}$ | $\Gamma(\gamma)$ | 3.0 | 0 | 3.3 | 1 | | | Shape Analys | 2 | 65ANTWRP- 72 | Jul65 | ISP | Coceva,C.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Pd^{108}$ | $\Gamma(n)$ | 9.1 | 1 | 9.1 | 1 | | | AreaAnalysis | 1 | CHRIEN 59 | 59 | BNL | Chrien. |
| $Pd^{108}$ | $\Gamma(n)$ | 3.3 | 1 | 3.3 | 1 | | | AreaAnalysis | 1 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| $Pd^{108}$ | $\Gamma(n)$ | 3.0 | 0 | 9.2 | 1 | | | Shape Analys | 3 | 65ANTWRP- 72 | Jul65 | ISP | Coceva,C.+ |
| $Pd^{108}$ | $\Gamma(n,l=0)$ | 9.1 | 1 | 9.1 | 1 | | | AreaAnalysis | 1 | CHRIEN 59 | 59 | BNL | Chrien. |
| $Pd^{108}$ | $\Gamma(n,l=0)$ | 3.0 | 0 | 9.2 | 1 | | | Shape Analys | 3 | 65ANTWRP- 72 | Jul65 | ISP | Coceva,C.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Pd^{108}$ | Resonance Energy | 9.1 | 1 | 9.1 | 1 | | Absolute | Shape Analys | 1 | PL 16 159 | May65 | ISP | Coceva,C.+ |
| $Pd^{108}$ | Resonance Energy | 9.1 | 1 | 9.1 | 1 | | | Shape Analys* | 1 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Pd^{109}$ | Spin cut-off Par | 2.4 | 4 | 2.4 | 4 | | | * | 1 | NP A117 545 | Sep68 | MUA | Chaubey,A.K.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Pd^{110}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Pd^{110}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Pd^{110}$ | Sigma | 2.5 | 6 | 4.0 | 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Pd^{110}$ | Sigma | 2.5 | 6 | 4.0 | 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Pd^{110}$ | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Pd^{110}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| $Pd^{110}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | JIN 28 1 | Jan66 | TRM | Namboodiri,M.+ |
| $Pd^{110}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Pd^{110}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Pd^{110}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP 49 510 | Dec63 | IND | Mangal,S.K.+ |
| $Pd^{110}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,p) | Activation | 1 | NP 49 510 | Dec63 | MUA | Mangal,S.K.+ |
| $Pd^{110}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation * | 1 | NP 51 337 | Feb64 | TUR | Bonazzola,G.C.+ |
| $Pd^{110}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Ge(Li) Detect | 2 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| $Pd^{110}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | Absolute | Activation * | 20 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $Pd^{110}$ | (n,np)+(n,d) REACT Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | 63BOMBAY-240 | Feb63 | SAH | Ganguly. |
| $Pd^{110}$ | (n,alpha) REACTION Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Ag | Sigma | 2.4 | 4 | 8.3 | 5 | | Absolute | Shell Trans | 3 | AE 8 549 | 60 | CCP | Belanova. |
| Ag | Sigma | 2.4 | 4 | 2.4 | 4 | S | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| Ag | Sigma | 3.7 | 1 | 9.8 | 3 | | | Slowing-Down | 37 | ZET 38 989 | Mar60 | LEB | Isakov. |
| Ag | Sigma | 1.7 | 5 | 1.0 | 6 | | U235(n,f) | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Ag | Sigma | 9.8 | 3 | 1.7 | 5 | | Indium | Scint Tank | 53 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Ag | Sigma | 1.9 | 2 | 8.4 | 3 | | | TimeOfFlight | 42 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Ag | Sigma | 1.8 | 4 | 3.0 | 5 | | σ(E≠E(th)) | CrystalScint* | 8 | AP 23 425 | 63 | FOA | Bergqvist. |
| Ag | Sigma | 1.1 | 2 | 1.3 | 4 | | Boron | Moxon-Rae C | 610 | NIM 24 445 | 63 | HAR | Moxon,M.C.+ |
| Ag | Sigma | 1.0 | -2 | 2.7 | 4 | | | Liquid Scint | 275 | GA-3874 | Mar63 | GA | Haddad. |
| Ag | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | EANDC- 33 41 | Sep63 | ORL | Schmitt. |
| Ag | Sigma | 2.5 | 1 | 2.0 | 4 | | | Slowing-Down | 54 | NUK 6 371 | Dec64 | KFK | Mitzel,F.+ |
| Ag | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| Ag | Sigma | 2.9 | 4 | 1.4 | 5 | | Indium | TimeOfFlight | 18 | 66PARIS/I- 469 | Oct66 | OBN | Kononov. |
| Ag | Sigma | 1.3 | 4 | 1.5 | 5 | N | Au(n,γ) | Scint Tank | 65 | 66PARIS/I- 513 | Oct66 | KFK | Kompe,D. |
| Ag | Sigma | 1.0 | 5 | 1.8 | 5 | | Ta181 | Liquid Scint | 4 | PR 159 1007 | Jul67 | ORL | Macklin. |
| Ag | Sigma | 1.3 | 4 | 1.5 | 5 | | Au(n,γ) | Scint Tank | 65 | KFK- 635 | Oct67 | KFK | Poenitz,W.P.+ |
| Ag | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| | γ,EMISSION | | | | | | | | | | | | |
| Ag | Sigma | 2.3 | 6 | 2.9 | 6 | | Copper | Ion Chamber | 7 | JMJ 23 925 | 41 | JAP | Nonaka,I.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Ag | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ag | Sigma | 5.6 | 4 | 1.0 | 5 | | Carbon | 4Pi*σ(90°) | 14 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Ag | Sigma | 6.7 | 6 | 6.7 | 6 | | | Diff Sig Int | 1 | PR 128 351 | Oct62 | NRL | Malmberg. |
| Ag | Sigma | 6.5 | 5 | 6.5 | 5 | | | Threshold C | 1 | UFZ 8 1323 | 63 | UKR | Korzh. |
| Ag | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Ag | Sigma | 2.0 | 6 | 2.0 | 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Ag | Sigma | 3.0 | 5 | 1.4 | 6 | | Carbon | TimeOfFlight | 24 | NP 78 389 | Apr66 | ANL | Vonach,W.G.+ |
| Ag | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ag | Ang Distrib | 5.0 | 5 | 1.5 | 6 | | | Ring Geomtry | 4 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Ag | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 22 | PR 110 160 | Apr58 | LRL | Anderson,J.D.+ |
| Ag | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 17 | ZET 40 725 | Mar61 | UKR | Strizhak,V.I.+ |
| Ag | Ang Distrib | 6.5 | 5 | 6.5 | 5 | | | Threshold C | 8 | UFZ 8 1323 | 63 | UKR | Korzh. |
| Ag | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Ag | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | σ(Total) | TimeOfFlight | 13 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| Ag | Legendre Fit | 3.0 | 5 | 1.4 | 6 | | Carbon | TimeOfFlight | 111 | NP 78 389 | Apr66 | ANL | Vonach,W.G.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| Ag | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Ag | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 22 | TSUKADA 62 | 62 | JAE | Tsukada,K.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| Ag | Sigma | 3.2 | 5 | 9.9 | 5 | | H(n,n) | Ring Geomtry | 85 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| Ag | Sigma | 2.8 | 6 | 2.8 | 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| Ag | Sigma | 3.0 | 4 | 1.4 | 6 | | Carbon | Diff Sig Int | 20 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Ag | Ang Distrib | 3.0 | 4 | 1.4 | 6 | | Carbon | ModeratrTank | 100 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Ag | σ(Potential) | 6.8 | 1 | 6.8 | 1 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| Ag | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ag | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ag | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ag | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| Ag | Sigma | 1.4 | 7 | 1.4 | 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| Ag | Sigma | 1.4 | 7 | 1.4 | 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| | (n,p) REACTION | | | | | | | | | | | | |
| Ag | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | NC 13 730 | Aug59 | CIS | Colli. |
| Ag | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | (n,np) REACTION | | | | | | | | | | | | |
| Ag | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | NC 13 730 | Aug59 | CIS | Colli. |
| | (n,t) REACTION | | | | | | | | | | | | |
| Ag | Sigma | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation | 1 | HPA 36 298 | May63 | ETH | Heinrich,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | JNE 1 144 | 54 | HAR | Green. |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Pile Oscilat | 1 | JNE 1 144 | 54 | HAR | Green. |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | JNE 1 144 | 54 | HAR | Green. |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pulse Decay | 1 | PR 95 582 | Jul54 | LAS | Scott. |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | JAERI-1009 | Jul60 | JAE | Fuketa,T.+ |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pile Oscilat | 1 | KE 6 336 | Oct63 | ROS | Huettel,G.+ |
| Ag | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| Ag | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Ag | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| Ag | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Pile Oscilat | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| Ag | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Boron | Pile Oscilat | 1 | IRK 18 11 | Nov67 | BKB | Markovic. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| Ag | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| Ag | Sigma | 1.0 | 6 | 1.0 | 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ag | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| Ag | Sigma | 4.0 | 6 | 4.5 | 6 | | Absolute | Shell Trans | 2 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Ag | Sigma | 3.5 | 6 | 1.4 | 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | NONELASTIC SCATT (CONTINUED) | | | | | | | | | | |
| Ag | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Ag | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Ag | Sigma | 1.0 6 | 7.0 6 | | Absolute | Shell Trans | 3 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Ag | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Ag | Sigma | 8.2 6 | 2.0 7 | | Absolute | Shell Trans | 6 | PR 113 1088 | Feb59 | RIC | Bonner,T.W.+ |
| Ag | Sigma | 6.5 5 | 6.5 5 | | | Total | 1 | UPZ 8 1323 | 63 | UKR | Korzh. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ag | Sigma | 2.5 7 | 2.5 7 | | Absolute | Threshold C | 1 | PR 68 240 | Dec45 | HRV | Sherr. |
| Ag | Sigma | 2.4 4 | 1.6 6 | | Absolute | Accelerator | 35 | PR 76 277 | Jul49 | WIS | Bockelman. |
| Ag | Sigma | 1.0 6 | 3.2 6 | | Absolute | Accelerator | 14 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Ag | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Ag | Sigma | 3.0 7 | 1.4 8 | | Absolute | Count Telesc | 11 | PM 44 95 | 53 | HAR | Taylor. |
| Ag | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 29 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Ag | Sigma | 5.1 0 | 5.0 2 | | Absolute | TimeOfFlight | 154 | PR 95 476 | Jul54 | BNL | Seidl. |
| Ag | Sigma | 5.1 -3 | 8.2 -2 | | Absolute | Crystal Spec | 20 | PR 96 1297 | Dec54 | ORL | Allen. |
| Ag | Sigma | 1.3 7 | 1.6 7 | | Absolute | Accelerator | 6 | PR 97 985 | Feb55 | MRX | Bonner. |
| Ag | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Ag | Sigma | 1.3 7 | 1.6 7 | | Absolute | Accelerator | 10 | PR 100 972 | Nov55 | MEX | Mazari. |
| Ag | Sigma | 4.0 1 | 6.7 2 | | Absolute | TimeOfFlight | 123 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| Ag | Sigma | 2.3 3 | 1.1 4 | | Absolute | Accelerator | 21 | PR 105 198 | Jan57 | DKE | Newson. |
| Ag | Sigma | 7.0 6 | 1.4 7 | S | Absolute | Biased Scint | 5 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Ag | Sigma | 9.8 0 | 1.3 2 | | | TimeOfFlight | 35 | PR 110 692 | May58 | BNL | Seth. |
| Ag | Sigma | 6.8 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Ag | Sigma | 5.0 3 | 1.9 5 | | Absolute | Accelerator | 39 | BILPUCH 59I | Sep59 | DKE | Bilpuch. |
| Ag | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Ag | Sigma | 6.7 6 | 6.7 6 | | Absolute | Accelerator | 1 | PR 128 351 | Oct62 | NRL | Malmberg. |
| Ag | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Ag | Sigma | 1.0 4 | 1.0 5 | | Absolute | TimeOfFlight | 10 | PR 137B 83 | Jan65 | BNL | Jain,A.P.+ |
| Ag | Sigma | 8.1 1 | 4.0 3 | | Absolute | TimeOfFlight | 5965 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| Ag | Sigma | 0.0 | 4.1 3 | P | Absolute | TimeOfFlight | 11301 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| Ag | Sigma | 5.0 3 | 6.4 5 | | Absolute | Accelerator | 95 | PL 16 306 | Jun65 | DKE | Seth. |
| Ag | Sigma | 3.2 5 | 3.2 5 | | Absolute | TimeOfFlight | 1 | WHALEN 66 | 66 | ANL | Whalen.+ |
| Ag | Sigma | 1.0 5 | 6.5 5 | | Absolute | TimeOfFlight | 266 | ANL-7210 16 | Jun66 | ANL | Whalen,J.P.+ |
| Ag | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 245 | FOSTER 67E | May67 | BNW | Foster. |
| Ag | Sigma | 4.5 6 | 7.9 6 | | Absolute | Accelerator | 68 | PR 158 1142 | Jun67 | WIS | Carlson. |
| | γ-WIDTH | | | | | | | | | | |
| Ag | Γ(γ) | 1.3 2 | 6.1 2 | | | AreaAnalysis | 16 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ag | Γ(γ) | 1.4 2 | 3.2 2 | | | CaptureGamma | 13 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| | n-WIDTH | | | | | | | | | | |
| Ag | Γ(n) | 3.1 2 | 3.2 2 | | | CaptureGamma | 2 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| Ag | 2gΓ(n) | 1.4 2 | 3.2 2 | | | AreaAnalysis | 7 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| Ag | 2gΓ(n) | 1.6 1 | 2.5 2 | | | AreaAnalysis | 16 | CU- 155 | Dec56 | COL | |
| Ag | 2gΓ(n) | 1.6 1 | 7.3 2 | | | AreaAnalysis | 79 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ag | 2gΓ(n,l=0) | 1.4 2 | 3.2 2 | | | AreaAnalysis | 7 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| Ag | 2gΓ(n,l=0) | 1.6 1 | 7.3 2 | | | AreaAnalysis | 79 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ag | 4agΓ(n,l=0) | 1.0 3 | 9.9 3 | | | AreaAnalysis | 353 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| Ag | Γ(n,l=1) | 8.2 1 | 3.9 2 | | | AreaAnalysis | 18 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ag | 4agΓ(n,l=1) | 1.0 3 | 7.3 3 | | | AreaAnalysis | 37 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| Ag | Γ(n)σ(0) | 1.6 1 | 1.7 2 | | | | 8 | BAP 8 334 | Apr63 | CP | Singh. |
| | TOTAL WIDTH | | | | | | | | | | |
| Ag | Γ | 1.6 1 | 1.7 2 | | | AreaAnalysis | 8 | CU- 155 | Dec56 | COL | |
| Ag | Γσ(0) | 1.6 1 | 2.5 2 | | | AreaAnalysis | 16 | CU- 155 | Dec56 | COL | |
| | OTHER RESON PARAM | | | | | | | | | | |
| Ag | Spin of Reson | 1.3 2 | 6.1 2 | | | AreaAnalysis | 16 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ag | Spin of Reson | 1.4 2 | 3.2 2 | | | CaptureGamma | 9 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| Ag | Spin of Reson | 1.6 1 | 1.7 2 | | | | 7 | BAP 8 334 | Apr63 | CP | Singh. |
| | AVERAGED PARAM | | | | | | | | | | |
| Ag | Strength Funct | 5.0 5 | 2.0 6 | | | AreaAnalysis | 5 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| Ag | Strength Fn(l=0) | 3.6 2 | 3.6 2 | | | AreaAnalysis | 1 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ag | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Ag | Strength Fn(l=0) | 7.0 2 | 7.0 2 | | | AreaAnalysis | 2 | INDC-156 P.64 | Oct66 | SAC | Julien,J.+ |
| Ag | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Ag | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Ag | Strength Fn(l=1) | 3.0 4 | 3.0 4 | | | * | 1 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| Ag | Strength Fn(l=1) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| Ag | Strength Fn(l=2) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| Ag | Str Fnct Part(γ) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| Ag | Level Spacing | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ag | Level Spacing | 1.0 3 | 1.0 3 | | | AreaAnalysis | 1 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| Ag | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ag^{107}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Ag^{107}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Ag^{107}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ag^{107}$ | Sigma | 2.0 5 | 4.0 6 | | $I^{127}$ | Activation | 6 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Ag^{107}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Ag^{107}$ | Sigma | 2.4 4 | 2.4 4 | | Indium | Activation | 1 | NP 9 569 | 59 | LVN | Vervier,J.P. |
| $Ag^{107}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Ag^{107}$ | Sigma | 1.4 5 | 2.4 6 | | $U^{235}(n,f)$ | Activation | 20 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Ag^{107}$ | Sigma | 1.4 5 | 2.4 6 | N | $U^{235}(n,f)$ | Activation | 20 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Ag^{107}$ | Sigma | 3.1 3 | 2.5 5 | | σ(E≠E(th)) | Activation | 22 | AP 10 477 | 60 | ORL | Weston. |
| $Ag^{107}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NP 66 267 | May65 | MUA | Chaubey,A.K.+ |
| $Ag^{107}$ | Sigma | 3.5 1 | 9.9 2 | | Arb Units | | 1456 | 66PARIS/I- 79 | Oct66 | KUR | Muradyan. |
| $Ag^{107}$ | Sigma | 2.9 4 | 1.5 5 | | Indium | TimeOfFlight | 19 | 66PARIS/I- 459 | Oct66 | OBN | Kononov. |
| $Ag^{107}$ | Sigma | 3.0 6 | 3.0 6 | | Al(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Ag^{107}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| $Ag^{107}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| $Ag^{107}$ | Spectrum | 1.7 1 | 1.7 1 | | Arb Units | γ-Spectromet | 7 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | | | |
| $Ag^{107}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | γ's /100neut | Ge(Li)Detect | | 47 | EANDC/J- 10 39 | Nov68 | YOK | Hatori,M.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | | |
| $Ag^{107}$ | σ(Potential) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ag^{107}$ | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ag^{107}$ | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ag^{107}$ | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ag^{107}$ | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | | | | |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | | 1 | PR 88 1309 | Dec52 | LAS | Forbes. |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * | 1 | JPJ 12 443 | May57 | KON | Yasumi. |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}$(n,2n) | Activation | | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Ag^{107}$ | Sigma | 1.0 | 7 | 1.5 | 7 | | H(n,n) | Count Telesc | | 10 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 2 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation | * | 2 | OSA 98 116 | Jun61 | IRK | Vonach,H. |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | | 1 | JPJ 16 1869 | Oct61 | KON | Sakisaka,M.+ |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Ag^{107}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | σ(E≠E(th)) | Activation | | 7 | RR/TR/62- 1 | Apr62 | RED | Koehler. |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | | 1 | LANGMANN 62I | Sep62 | HAM | Langmann. |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| $Ag^{107}$ | Sigma | 1.2 | 7 | 2.0 | 7 | | $Cu^{63}$(n,2n) | Activation | | 16 | PR 130 731 | Apr63 | ANL | Rayburn. |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | CR 257 659 | Jul63 | BOR | Carles,C. |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 1 | AEET- 267 59 | Aug66 | BOS | Chatterjee,A.+ |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | IJP 41 752 | Oct67 | BOS | Mitra. |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | | * | 1 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Ratio | | * | 12 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | * | 27 | NC B 54 53 | Mar68 | CAT | Cuzzocrea,P.+ |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | Activation | | 1 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | * | 3 | NP A118 449 | Oct68 | TUR | Minetti,B.+ |
| $Ag^{107}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| | (n,3n) REACTION | | | | | | | | | | | | | |
| $Ag^{107}$ | Sigma | 1.9 | 7 | 2.0 | 7 | | Copper | Activation | * | 4 | NP A118 379 | Oct68 | GEL | Liskien,H. |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Ag^{107}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Count Telesc | | 1 | PPS 81 808 | 63 | GLS | Irfan. |
| | (n,n alpha) REACT | | | | | | | | | | | | | |
| $Ag^{107}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Ag^{107}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $Ag^{107}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | | | | |
| $Ag^{107}$ | Γ(γ) | 1.7 | 1 | 5.2 | 1 | | | AreaAnalysis | | 2 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| $Ag^{107}$ | Γ(γ) | 1.6 | 1 | 5.2 | 1 | | | AreaAnalysis | | 4 | NP 5 89 | 58 | HAR | |
| $Ag^{107}$ | Γ(γ) | 1.6 | 1 | 5.1 | 1 | | | CaptureGamma | | 4 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| $Ag^{107}$ | Γ(γ) | 1.6 | 1 | 3.6 | 2 | | | AreaAnalysis | | 8 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| $Ag^{107}$ | Γ(γ)σ(0) | 1.6 | 1 | 5.2 | 1 | | | AreaAnalysis | | 4 | NP 5 89 | 58 | HAR | |
| | n-WIDTH | | | | | | | | | | | | | |
| $Ag^{107}$ | Γ(n) | 1.7 | 1 | 1.7 | 1 | | | Shape Analys | | 1 | PR 98 565 | May55 | COL | Sheer. |
| $Ag^{107}$ | Γ(n) | 1.6 | 1 | 5.2 | 1 | | | AreaAnalysis | | 3 | NP 5 89 | 58 | HAR | |
| $Ag^{107}$ | Γ(n) | 1.6 | 1 | 3.6 | 2 | | | AreaAnalysis | | 8 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| $Ag^{107}$ | 2gΓ(n) | 1.7 | 1 | 5.2 | 1 | | | AreaAnalysis | | 4 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Ag^{107}$ | 2gΓ(n) | 1.7 | 1 | 5.2 | 1 | | | AreaAnalysis | | 4 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| $Ag^{107}$ | gΓ(n,l=0) | 4.2 | 1 | 2.7 | 3 | | | TimeOfFlight | * | 45 | AERE/PR/NP-16 14 | Aug69 | HAR | Pattenden,N.J.+ |
| $Ag^{107}$ | 2gΓ(n,l=0) | 1.7 | 1 | 5.2 | 1 | | | AreaAnalysis | | 4 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Ag^{107}$ | 2gΓ(n,l=0) | 1.7 | 1 | 5.2 | 1 | | | AreaAnalysis | | 4 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| $Ag^{107}$ | Γ(n)σ(0) | 1.6 | 1 | 5.2 | 1 | | | AreaAnalysis | | 3 | NP 5 89 | 58 | HAR | |
| $Ag^{107}$ | Γ(n)/Γ | 1.7 | 1 | 1.7 | 1 | | | Shape Analys | | 1 | PR 98 565 | May55 | COL | Sheer. |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Ag^{107}$ | Γ | 1.7 | 1 | 1.7 | 1 | | | Shape Analys | | 1 | PR 98 565 | May55 | COL | Sheer. |
| $Ag^{107}$ | Γ | 1.6 | 1 | 5.2 | 1 | | | AreaAnalysis | | 4 | NP 5 89 | 58 | HAR | |
| $Ag^{107}$ | $Γ^2σ(0)$ | 1.7 | 1 | 5.2 | 1 | | | AreaAnalysis | | 4 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Ag^{107}$ | $Γ^2σ(0)$ | 1.7 | 1 | 1.7 | 1 | | | Shape Analys | | 1 | PR 98 565 | May55 | COL | Sheer. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Ag^{107}$ | Resonance Energy | 1.4 | 2 | 1.7 | 2 | | | CaptureGamma | | 3 | CR 254 4162 | Jun62 | SAC | Julien,J.+ |
| $Ag^{107}$ | σ(0) | 1.7 | 1 | 1.7 | 1 | | | Shape Analys | | 1 | PR 98 565 | May55 | COL | Sheer. |
| $Ag^{107}$ | σ(0) | 1.7 | 1 | 5.2 | 1 | | | AreaAnalysis | | 2 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| $Ag^{107}$ | Spin of Reson | 1.7 | 1 | 1.7 | 1 | | | Shape Analys | | 1 | PR 98 565 | May55 | COL | Sheer. |
| $Ag^{107}$ | Spin of Reson | 5.2 | 1 | 5.2 | 1 | | | AreaAnalysis | | 1 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| $Ag^{107}$ | Spin of Reson | 1.6 | 1 | 5.2 | 1 | | | AreaAnalysis | | 3 | NP 5 89 | 58 | HAR | |
| $Ag^{107}$ | Spin of Reson | 1.6 | 1 | 5.1 | 1 | | | CaptureGamma | | 4 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Ag^{107}$ | Strength Fn(l=0) | 7.6 | 2 | 7.6 | 2 | | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Ag^{107}$ | Strength Fn(l=0) | 5.0 | 2 | 2.5 | 3 | | | AreaAnalysis | * | 6 | AERE/PR/NP-16 14 | Aug69 | HAR | Pattenden,N.J |
| $Ag^{107}$ | Level Spacing | 2.6 | 1 | 2.6 | 1 | | | AreaAnalysis | | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Ag^{108}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | | γ-Spectromet | | 3 | AE 4 454 | May58 | CCP | Sklyarevskii,V.V.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Ag^{109}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Ag^{109}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Ag^{109}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation * | 2 | GRIMELAND 56 | 56 | KJL | Grimeland,B. |
| $Ag^{109}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Activation | 1 | IJP 31 630 | 57 | MUA | Sehgal. |
| $Ag^{109}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Ag^{109}$ | Sigma | 7.8 3 | 6.4 4 | | Ratio | Activation | 3 | ARB.BER- 19 | Nov65 | KPK | Poenitz,W.P. |
| $Ag^{109}$ | Sigma | 7.8 3 | 6.4 4 | C | Ratio | Activation | 3 | ARB.BER- 19 | Nov65 | KPK | Poenitz,W.P. |
| $Ag^{109}$ | Sigma | 7.8 3 | 6.4 4 | | Au(n,γ) | Activation | 3 | EANDC/E- 66 6 | Feb66 | KPK | Poenitz,W.P. |
| $Ag^{109}$ | Sigma | 3.5 1 | 9.9 2 | | Arb Units | | 1456 | 66PARIS/I- 79 | Oct66 | KUR | Muradyan. |
| $Ag^{109}$ | Sigma | 2.9 4 | 1.4 5 | | Indium | TimeOfFlight | 18 | 66PARIS/I- 469 | Oct66 | OBN | Kononov. |
| $Ag^{109}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Ag^{109}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Ag^{109}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| $Ag^{109}$ | Reson Integral | 5.5 -1 | 5.5 -1 | | Au(n,γ) | Activation | 1 | EANDC/E- 57 28 | Feb65 | MUN | Koehler,W. |
| $Ag^{109}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Ag^{109}$ | Spectrum | 5.2 0 | 5.2 0 | | Arb Units | γ-Spectromet | 8 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ag^{109}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ag^{109}$ | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ag^{109}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ag^{109}$ | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ag^{109}$ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | PR 88 1309 | Dec52 | LAS | Forbes. |
| $Ag^{109}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | JPJ 12 443 | May57 | KON | Yasumi. |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | S | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Ag^{109}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | OSA 98 116 | Jun61 | IRK | Vonach,H. |
| $Ag^{109}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | LANGMANN 62I | Sep62 | HAM | Langmann. |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.5 7 | | Arb Units | Activation * | 24 | 65ANTWRP-102 A | Jul65 | DEB | Csikai,J. |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation * | 27 | NC B 54 53 | Mar68 | CAT | Cuzzocrea,P.+ |
| $Ag^{109}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 1 | NP A118 449 | Oct68 | TUR | Minetti,B.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | DOK 113 537 | 57 | CCP | Dzantiev. |
| $Ag^{109}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Ag^{109}$ | Sigma | 7.0 6 | 2.0 7 | | $U^{238}$(n,f) | Activation | 15 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Ag^{109}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 2 | NP 13 88 | 59 | MUA | Khurana. |
| $Ag^{109}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| | (n,n alpha) REACT | | | | | | | | | | |
| $Ag^{109}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ag^{109}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ag^{109}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | NP 29 66 | Jan62 | AE | Ragnar.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ag^{109}$ | Sigma | 2.4 1 | 3.5 2 | | Absolute | TimeOfFlight | 648 | PR 141 1129 | Jan66 | BNL | Chrien. |
| $Ag^{109}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Ag^{109}$ | Γ(γ) | 3.1 1 | 7.2 1 | | | AreaAnalysis | 3 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| $Ag^{109}$ | Γ(γ) | 5.2 0 | 5.2 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ag^{109}$ | Γ(γ) | 5.2 0 | 1.3 2 | | | AreaAnalysis | 7 | NP 5 89 | 58 | HAR | |
| $Ag^{109}$ | Γ(γ) | 3.0 1 | 1.3 2 | | | CaptureGamma | 6 | 61SACLAY-439 | Jul61 | HAR | Moxon. |
| $Ag^{109}$ | Γ(γ) | 3.0 1 | 4.0 2 | | | AreaAnalysis | 9 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| $Ag^{109}$ | Γ(γ)σ(0) | 3.1 1 | 1.3 2 | | | AreaAnalysis | 6 | NP 5 89 | 58 | HAR | |
| | n-WIDTH | | | | | | | | | | |
| $Ag^{109}$ | Γ(n) | 5.2 0 | 5.2 0 | | | Shape Analys | 1 | PR 84 869 | Dec51 | ANL | Selove. |
| $Ag^{109}$ | Γ(n) | 5.2 0 | 5.2 0 | | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Ag^{109}$ | Γ(n) | 5.2 0 | 5.2 0 | | | Shape Analys | 1 | PR 98 565 | May55 | COL | Sheer. |
| $Ag^{109}$ | Γ(n) | 5.2 0 | 5.2 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ag^{109}$ | Γ(n) | 5.2 0 | 1.3 2 | | | AreaAnalysis | 7 | NP 5 89 | 58 | HAR | |
| $Ag^{109}$ | Γ(n) | 3.0 1 | 4.0 2 | | | AreaAnalysis | 9 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| $Ag^{109}$ | Γ(n) | 5.2 0 | 5.2 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ag^{109}$ | Γ(n) | 5.2 0 | 5.2 0 | | | AreaAnalysis | 1 | NIM 60 113 | Mar68 | TRM | |
| $Ag^{109}$ | 2gΓ(n) | 3.1 1 | 8.8 1 | | | AreaAnalysis | 5 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Ag^{109}$ | 2gΓ(n) | 3.1 1 | 9.0 1 | | | AreaAnalysis | 5 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| $Ag^{109}$ | 2gΓ(n) | 6.2 1 | 6.3 2 | | | AreaAnalysis | 30 | 65ANTWRP- 92 | Jul65 | HAR | Pattenden,N.J. |
| $Ag^{109}$ | Γ(n,l=0) | 5.2 0 | 5.2 0 | | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Ag^{109}$ | gΓ(n,l=0) | 5.6 1 | 2.6 3 | | | TimeOfFlight* | 56 | AERE/PR/NP-16 14 | Aug69 | HAR | Pattenden,N.J.+ |
| $Ag^{109}$ | 2gΓ(n,l=0) | 3.1 1 | 8.8 1 | | | AreaAnalysis | 5 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Ag^{109}$ | 2gΓ(n,l=0) | 3.1 1 | 9.0 1 | | | AreaAnalysis | 5 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| $Ag^{109}$ | 2gΓ(n,l=0) | 6.2 1 | 6.3 2 | | | AreaAnalysis | 30 | 65ANTWRP- 92 | Jul65 | HAR | Pattenden,N.J. |
| $Ag^{109}$ | Γ(n)σ(0) | 5.2 0 | 1.3 2 | | | AreaAnalysis | 7 | NP 5 89 | 58 | HAR | |
| $Ag^{109}$ | Γ(n)/Γ | 5.2 0 | 5.2 0 | | | Shape Analys | 1 | PR 98 565 | May55 | COL | Sheer. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ag^{109}$ | Γ | 5.2 0 | 5.2 0 | | | Shape Analys | 1 | PR 84 869 | Dec51 | ANL | Selove. |
| $Ag^{109}$ | Γ | 5.2 0 | 5.2 0 | | | Shape Analys | 1 | PR 98 565 | May55 | COL | Sheer. |
| $Ag^{109}$ | Γ | 5.2 0 | 5.2 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ag^{109}$ | Γ | 5.2 0 | 1.3 2 | | | AreaAnalysis | 7 | NP 5 89 | 58 | HAR | |
| $Ag^{109}$ | Γ | 5.2 0 | 5.2 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ag^{109}$ | Γσ(0) | 5.2 0 | 5.2 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ag^{109}$ | Γσ(0) | 5.2 0 | 5.2 0 | | | AreaAnalysis | 1 | NIM 60 113 | Mar68 | TRM | |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH (CONTINUED) | | | | | | | | | | | |
| $Ag^{109}$ | $\Gamma^2\sigma(0)$ | 5.2 | 0 | 8.8 | 1 | | AreaAnalysis | 6 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Ag^{109}$ | $\Gamma^2\sigma(0)$ | 5.2 | 0 | 5.2 | 0 | | Shape Analys | 1 | PR 98 565 | May55 | COL | Sheer. |
| $Ag^{109}$ | $\Gamma^2\sigma(0)$ | 5.2 | 0 | 5.2 | 0 | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Ag^{109}$ | Resonance Energy | 1.4 | 2 | 1.7 | 2 | | CaptureGamma | 2 | CR 254 4162 | Jun62 | SAC | Julien,J.+ |
| $Ag^{109}$ | $\sigma(0)$ | 5.2 | 0 | 5.2 | 0 | | Shape Analys | 2 | PR 84 869 | Dec51 | ANL | Selove. |
| $Ag^{109}$ | $\sigma(0)$ | 5.2 | 0 | 5.2 | 0 | | | 1 | PR 95 644 | Jul54 | BNL | |
| $Ag^{109}$ | $\sigma(0)$ | 5.2 | 0 | 5.2 | 0 | | Shape Analys | 1 | PR 98 565 | May55 | COL | Sheer. |
| $Ag^{109}$ | $\sigma(0)$ | 3.1 | 1 | 7.2 | 1 | | AreaAnalysis | 3 | PR 103 1778 | Sep56 | MTR | Pluharty. |
| $Ag^{109}$ | $\sigma(0)$ | 5.2 | 0 | 5.2 | 0 | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ag^{109}$ | $\sigma(0)$ | 5.2 | 0 | 5.2 | 0 | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ag^{109}$ | $a\sigma(0)$ | 5.2 | 0 | 5.2 | 0 | | Shape Analys | 1 | PR 84 869 | Dec51 | ANL | Selove. |
| $Ag^{109}$ | Spin of Reson | 5.2 | 0 | 5.2 | 0 | | Shape Analys | 1 | PR 84 869 | Dec51 | ANL | Selove. |
| $Ag^{109}$ | Spin of Reson | 5.2 | 0 | 5.2 | 0 | | Shape Analys | 1 | PR 98 565 | May55 | COL | Sheer. |
| $Ag^{109}$ | Spin of Reson | 5.6 | 1 | 7.2 | 1 | | AreaAnalysis | 2 | PR 103 1778 | Sep56 | MTR | Pluharty. |
| $Ag^{109}$ | Spin of Reson | 5.2 | 0 | 5.2 | 0 | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ag^{109}$ | Spin of Reson | 5.2 | 0 | 1.3 | 2 | | AreaAnalysis | 7 | NP 5 89 | 58 | HAR | |
| $Ag^{109}$ | Spin of Reson | 3.2 | 2 | 3.2 | 2 | | AreaAnalysis | 1 | PR 141 1129 | Jan66 | BNL | Chrien. |
| $Ag^{109}$ | n-Orbit Ang Mom | 3.0 | 1 | 4.0 | 2 | | AreaAnalysis | 9 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Ag^{109}$ | Strength Fn(l=0) | 6.3 | 2 | 6.3 | 2 | | AreaAnalysis | 1 | 65ANTWRP- 92 | Jul65 | SAC | Pattenden,N.J. |
| $Ag^{109}$ | Strength Fn(l=0) | 7.6 | 2 | 7.6 | 2 | | | 2 | CEA/R-3609 68 | | SAC | Morgenstern,J. |
| $Ag^{109}$ | Strength Fn(l=0) | 5.0 | 2 | 2.5 | 3 | | AreaAnalysis* | 6 | AERE/PR/NP-16 14 | Aug69 | HAR | Pattenden,N.J.+ |
| $Ag^{109}$ | Strength Fn(l=1) | 6.4 | 4 | 6.4 | 4 | | | 1 | EANDC/E- 66 5 | Feb66 | KFK | Poenitz,W. |
| $Ag^{109}$ | Level Spacing | 4.5 | 1 | 4.5 | 1 | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Ag^{110}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Activation | 1 | CJP 41 1321 | 63 | CR | Hart,R.G.+ |
| $Ag^{110}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | γ-Spectromet | 4 | AE 4 454 | May58 | CCP | Sklyarevskii,V.V.+ |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Ag^{112}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | Arb Units | Ge(Li)Detect* | 20 | AERE/R-5741 | Apr68 | HAR | Bullock,R.J.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| Cd | Sigma | 2.5 4 | 8.3 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Cd | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| Cd | Sigma | 4.0 5 | 4.0 5 | | U235(n,f) | Scint Tank | 1 | PR 120 556 | Oct60 | LAS | Diven. |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Cd | Sigma | 8.0 3 | 1.6 5 | | Indium | Scint Tank | 42 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Cd | Sigma | 1.9 2 | 8.5 3 | | | TimeOfFlight | 37 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Cd | Sigma | 3.0 4 | 3.0 4 | | | TimeOfFlight | 1 | NP 43 353 | 63 | ORL | Macklin. |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | | | * | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | C | | Breit-Wigner* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Cd | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| Cd | Sigma | 1.2 4 | 1.6 5 | | Au(n,γ) | Scint Tank | 70 | KFK- 635 | Oct67 | KFK | Poenitz,W.P.+ |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | NSE 31 152 | Jan68 | ANL | Meadows. |
| Cd | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 119 | PR 124 183 | Oct61 | ANL | Smither,R.K. |
| | γ,EMISSION | | | | | | | | | | |
| Cd | Sigma | 2.3 6 | 2.9 6 | | Copper | Ion Chamber | 7 | JMJ 23 925 | 41 | JAP | Nonaka,I. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Cd | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Cd | Sigma | 3.7 6 | 3.7 6 | | | Ring Geomtry | 1 | PR 94 1267 | Jun54 | BAR | Snowden. |
| Cd | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Cd | Sigma | 5.6 4 | 1.0 5 | | Carbon | 4Pi*σ(90°) | 14 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| Cd | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | NP 15 155 | Feb60 | CR | Cross,W.G.+ |
| Cd | Sigma | 3.0 5 | 3.0 5 | | | | 1 | UFZ 8 1389 | 63 | UKR | Korzh. |
| Cd | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Cd | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Cd | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Cd | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 25 | NP 78 389 | Apr66 | ANL | Vonach,W.G.+ |
| Cd | Sigma | 8.0 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 1 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Cd | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Cd | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 19 | PR 94 1267 | Jun54 | BAR | Snowden. |
| Cd | Ang Distrib | 1.0 6 | 1.0 6 | | | Ring Geomtry | 5 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| Cd | Ang Distrib | 4.1 6 | 4.1 6 | | | Biased Scint | 11 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Cd | Ang Distrib | 5.0 5 | 1.5 6 | | | Ring Geomtry | 3 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Cd | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 19 | PR 110 160 | Apr58 | LRL | Anderson,J.D.+ |
| Cd | Ang Distrib | 2.8 6 | 2.8 6 | | | Ring Geomtry | 8 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| Cd | Ang Distrib | 1.5 7 | 1.5 7 | | | Biased Scint | 26 | NP 15 155 | Feb60 | CR | Cross,W.G.+ |
| Cd | Ang Distrib | 9.6 7 | 9.6 7 | | | Biased Scint | 4 | NP 21 15 | Nov60 | OXF | Salmon,G.L. |
| Cd | Ang Distrib | 9.6 7 | 9.6 7 | | Absolute | Scint Tank | 2 | NP 21 15 | Nov60 | OXF | Salmon,G.L. |
| Cd | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 14 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Cd | Ang Distrib | 3.0 5 | 3.0 5 | | | Threshold C | 8 | UFZ 8 1389 | 63 | UKR | Korzh. |
| Cd | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Cd | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 14 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Cd | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 11 | NP 68 97 | Jun65 | ORL | Stelson. |
| Cd | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | RCM | Becker. |
| Cd | Ang Distrib | 1.0 6 | 1.0 6 | | | Biased Scint | 12 | PR 176 1405 | Dec68 | ANL | Kuchnir. |
| Cd | Ang Distrib | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 19 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Cd | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 123 | NP 78 389 | Apr66 | ANL | Vonach,W.G.+ |
| Cd | Legendre Fit | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 11 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Cd | Polarizat n-out | 3.5 5 | 1.4 6 | | Absolute | PlasticScint | 24 | NP 25 604 | Jun61 | HAR | Brown,D.+ |
| Cd | Polarizat n-out | 1.0 6 | 1.0 6 | | Absolute | Field Rotatn | 1 | NP 76 369 | Feb66 | HAR | Perguson,A.T.G.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| Cd | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Cd | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Threshold C | 25 | ZET 41 313 | Aug61 | UKR | Strizhak,V.I.+ |
| Cd | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Cd | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Cd | Sigma | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 1 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Cd | Sigma | 4.0 5 | 1.0 6 | | | | 14 | AE 14 400 | 63 | CCP | Glazkov. |
| Cd | Sigma | 4.0 5 | 4.0 5 | | | | 1 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Cd | Sigma | 4.0 5 | 1.2 6 | | | He³ Spec | 21 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Cd | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Cd | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 3 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Cd | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 21 | TSUKADA 62 | 62 | JAE | Tsukada,K.+ |
| Cd | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 12 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Cd | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 9 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Cd | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 1 | BAP 10 498 | Apr65 | LRL | Schectman,R.M.+ |
| Cd | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 11 | NP 68 97 | Jun65 | ORL | Stelson. |
| Cd | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 41 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Cd | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| Cd | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 2 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Cd | Sigma | 5.4 5 | 9.9 5 | | H(n,n) | Ring Geomtry | 22 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| Cd | Ang Distrib | 3.2 6 | 3.2 6 | | | CrystalScint | 2 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Cd | Sigma | 3.0 4 | 1.4 6 | | Carbon | Diff Sig Int | 18 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Cd | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Cd | σ(Potential) | 1.0 0 | 1.0 0 | | | | 1 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| Cd | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | PR 124 1848 | Dec61 | CR | Brockhouse. |
| Cd | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Ta181 | Diffraction | 1 | PR 124 1848 | Dec61 | LAS | Brockhouse. |
| Cd | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 126 2262 | Jun62 | ORL | Peterson. |
| Cd | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | RSI 33 916 | Jul64 | BUC | Todiranu,S.+ |
| Cd | Scatt Amplitude | 6.1 -2 | 6.1 -2 | | | | 1 | RSI 33 916 | Jul64 | BUM | Todiranu,S.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Cd | Sigma | 1.4 7 | 1.4 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| Cd | Sigma | 1.4 7 | 1.4 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION | | | | | | | | | | |
| Cd | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | MISC FISS QUANT | | | | | | | | | | |
| Cd | Neutron/Capture | 1.4 7 | 1.4 -7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | AERE/R-2516 | 59 | HAR | Jowitt. |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | | | Pulse Decay | 1 | KAY 64 | 64 | UK | Kay. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Cd | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 88 600 | Nov52 | LAS | Phillips,D.D.+ |
| Cd | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| Cd | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Cd | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| Cd | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Cd | Sigma | 1.0 6 | 4.5 6 | | Absolute | Shell Trans | 3 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Cd | Sigma | 2.5 6 | 4.1 6 | | Absolute | Shell Trans | 3 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Cd | Sigma | 1.4 7 | 1.4 7 | S | Absolute | Activation | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Cd | Sigma | 2.5 6 | 2.5 6 | | | Shell Trans | 1 | 55GENEVA/ 2- 4 | Aug55 | CCP | Pasechnik. |
| Cd | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Cd | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| Cd | Sigma | 5.5 7 | 1.4 8 | | | Scint Tank | 4 | PRS 236 41 | 56 | OXF | Voss,R.G.P.+ |
| Cd | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Cd | Sigma | 1.0 6 | 7.0 6 | | Absolute | Shell Trans | 5 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Cd | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Cd | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Cd | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| Cd | Sigma | 1.5 7 | 1.5 7 | | Absolute | Shell Trans | 1 | PR 161 1181 | Sep67 | BOS | Chatterjee,A.+ |
| Cd | Ang Distrib | 1.5 7 | 1.5 7 | | | Biased Scint | 10 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| Cd | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 86 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Cd | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Cd | Sigma | 3.4 5 | 3.3 6 | | Absolute | Accelerator | 32 | ORNL-1365 1 | Jan53 | ORL | Johnson. |
| Cd | Sigma | 6.0 4 | 3.0 6 | | Absolute | Accelerator | 23 | PR 89 1271 | Mar53 | WIS | Walt. |
| Cd | Sigma | 6.0 -2 | 3.5 -1 | | Absolute | | 11 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| Cd | Sigma | 3.7 6 | 3.7 6 | | | Accelerator | 1 | PR 94 1267 | Jun54 | BAR | Snowden. |
| Cd | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 29 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Cd | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Cd | Sigma | 1.5 7 | 1.5 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| Cd | Sigma | 1.5 1 | 5.0 2 | | Absolute | TimeOfFlight | 321 | PR 105 616 | Jan57 | MTR | Simpson. |
| Cd | Sigma | 7.0 6 | 1.4 7 | S | Absolute | Biased Scint | 5 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Cd | Sigma | 6.8 6 | 1.5 7 | | Absolute | Biased Scint | 10 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Cd | Sigma | 1.3 7 | 2.1 7 | | Absolute | TimeOfFlight | 11 | NP 16 313 | May60 | HAR | Mccallum,G.J.+ |
| Cd | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Cd | Sigma | 1.8 -4 | 2.8 -3 | | | TimeOfFlight | 8 | ADP 7 50 | Jan61 | MON | Von Hoehne,P. |
| Cd | Sigma | 1.6 7 | 1.2 8 | | Carbon | TimeOfFlight | 64 | NP 22 640 | Feb61 | HAR | Bowen,P.H.+ |
| Cd | Sigma | 1.0 4 | 1.0 5 | | Absolute | TimeOfFlight | 10 | PR 137B 83 | Jan65 | BNL | Jain,A.P.+ |
| Cd | Sigma | 6.0 3 | 6.4 5 | | Absolute | Accelerator | 88 | PL 16 306 | Jun65 | DKE | Seth. |
| Cd | Sigma | 4.5 5 | 6.5 5 | | Absolute | Accelerator | 196 | ANL-7210 16 | Jun66 | ANL | Whalen,J.P.+ |
| Cd | Sigma | 1.0 5 | 4.5 5 | | Absolute | TimeOfFlight | 337 | ANL-7210 16 | Jun66 | ANL | Whalen,J.P.+ |
| Cd | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 235 | FOSTER 67E | May67 | BNW | Foster. |
| Cd | Sigma | 2.5 -2 | 1.0 0 | | Absolute | Crystal Spec | 43 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| Cd | Sigma | 1.0 -2 | 2.3 0 | | Absolute | Transmission | 285 | EIR-134 | Jun68 | WUR | |
| Cd | Sigma | 7.6 -6 | 1.1 -5 | | Absolute | * | 3 | PL B 27 554 | Sep68 | HLT | Palmgren,A.+ |
| Cd | Sigma | 9.9 7 | 1.5 8 | | Absolute | Accelerator | 6 | NP A119 197 | Oct68 | USA | Schneider. |
| Cd | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | NUK 11 297 | Oct68 | WUR | Widder,F. |
| Cd | Sigma | 5.7 9 | 5.7 9 | | Absolute | Transmission* | 1 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.F.+ |
| | γ-WIDTH | | | | | | | | | | |
| Cd | Γ(γ) | 1.8 -1 | 1.8 -1 | | | Breit-Wigner* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Cd | Γ(γ) | 1.8 -1 | 1.8 -1 | | | Breit-Wigner | 1 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| | n-WIDTH | | | | | | | | | | |
| Cd | Γ(n) | 3.9 2 | 3.9 2 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| Cd | Γ(n) | 1.8 -1 | 1.8 -1 | | | Breit-Wigner | 1 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| Cd | Γ(n) | 1.8 1 | 2.1 2 | | | AreaAnalysis | 14 | 68WASH- 789 | Mar68 | JAE | Asami,A.+ |
| Cd | 2gΓ(n) | 5.6 1 | 1.6 2 | | | AreaAnalysis | 6 | 68WASH- 789 | Mar68 | JAE | Asami,A.+ |
| Cd | 2agΓ(n) | 8.3 1 | 5.5 2 | | | AreaAnalysis | 19 | CU- 189 | May59 | COL | Desjardins. |
| Cd | 2agΓ(n) | 2.9 1 | 6.2 1 | | | AreaAnalysis | 4 | 68WASH- 789 | Mar68 | JAE | Asami,A.+ |
| Cd | Γ(n,l=0) | 3.9 2 | 3.9 2 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| Cd | Γ(n,l=0) | 1.8 -1 | 1.8 -1 | | | Breit-Wigner | 1 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| Cd | 2agΓ(n,l=0) | 8.3 1 | 2.8 2 | | | AreaAnalysis | 4 | CU- 189 | May59 | COL | Desjardins. |
| Cd | Γ(n)/Γ | 3.1 2 | 1.4 3 | | | AreaAnalysis* | 10 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| Cd | Γ | 1.8 -1 | 1.8 -1 | | | Scattering | 1 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| Cd | Γ | 1.8 -1 | 1.8 -1 | | | Breit-Wigner | 1 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| Cd | Γ | 1.8 1 | 1.4 2 | | | AreaAnalysis | 4 | 68WASH- 789 | Mar68 | JAE | Asami,A.+ |
| Cd | Γσ(0) | 1.8 -1 | 1.8 -1 | | | Breit-Wigner | 1 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| Cd | Γ²σ(0) | 1.8 -1 | 1.8 -1 | | | Breit-Wigner | 1 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| | OTHER RESCN PARAM | | | | | | | | | | |
| Cd | Resonance Energy | 2.9 1 | 2.3 2 | | | TimeOfFlight | 5 | PR 105 616 | Jan57 | MTR | Simpson. |
| Cd | Resonance Energy | 1.0 2 | 8.1 2 | | | AreaAnalysis | 33 | CU- 189 | May59 | COL | Desjardins. |
| Cd | Resonance Energy | 2.2 1 | 2.2 1 | | | CaptureGamma | 1 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| Cd | Resonance Energy | 1.8 -1 | 1.8 -1 | | | Breit-Wigner* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Cd | Resonance Energy | 1.8 -1 | 1.8 -1 | | | Breit-Wigner | 1 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| Cd | Resonance Energy | 1.8 1 | 2.1 2 | | | AreaAnalysis | 26 | 68WASH- 789 | Mar68 | JAE | Asami,A.+ |
| Cd | Resonance Energy | 3.1 2 | 1.4 3 | | | AreaAnalysis* | 10 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| Cd | σ(0) | 1.8 -1 | 1.8 -1 | | | Scattering | 1 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| Cd | σ(0) | 1.8 -1 | 1.8 -1 | | | Breit-Wigner | 1 | NSE 28 359 | Jun67 | CNA | Akyuz. |
| Cd | Spin of Reson | 1.8 -1 | 1.8 -1 | | | Scattering | 1 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | |
| Cd | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Cd | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Cd | Strength Fn(l=1) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Cd | Strength Fn(l=2) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Cd | Str Fnct Part(γ) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Cd | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Cd^{106}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Cd^{106}$ | Sigma | 1.2 7 | 1.8 7 | | | | 14 | BAP 8 60 | Jan63 | GEO | Rayburn. |
| $Cd^{106}$ | Sigma | 1.3 7 | 1.9 7 | | H(n,n) | Activation * | 10 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| $Cd^{106}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect | 2 | FINK 68H | Aug68 | GIT | Fink. |
| | (n,p) REACTION | | | | | | | | | | |
| $Cd^{106}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Cd^{106}$ | Sigma | 1.0 6 | 1.0 6 | | Al(n,alpha) | Activation * | 1 | KR-123 | Dec67 | KJL | Steinnes,E. |
| $Cd^{106}$ | Sigma | 1.3 7 | 1.9 7 | | H(n,n) | Activation | 10 | EANDC/E- 89 59 | Feb68 | HAM | Bormann,M.+ |
| | (n,np)+(n,d) REACT | | | | | | | | | | |
| $Cd^{106}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect | 1 | FINK 68H | Aug68 | GIT | Fink. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Cd^{106}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Cd^{106}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cd^{108}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Cd^{108}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PHY 30 124 | 64 | USA | Boyd. |
| $Cd^{108}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 2 | AE 16 145 | Feb64 | CCP | Reda. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Cd^{108}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| $Cd^{108}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Cd^{108}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cd^{110}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | AECD-2274 | 48 | ANL | Goldhaber. |
| $Cd^{110}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Cd^{110}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NSE 22 373 | 65 | UCB | Kramer. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Cd^{110}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Cd^{110}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Cd^{110}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Cd^{110}$ | Γ(γ) | 9.0 1 | 9.0 1 | | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{110}$ | Γ(γ) | 9.0 1 | 9.0 1 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| | n-WIDTH | | | | | | | | | | |
| $Cd^{110}$ | Γ(n) | 9.0 1 | 9.0 1 | | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{110}$ | Γ(n) | 8.8 1 | 8.8 1 | | | AreaAnalysis | 1 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Cd^{110}$ | Γ(n) | 8.8 1 | 8.8 1 | | | TimeOfFlight | 1 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Cd^{110}$ | Γ(n) | 9.0 1 | 9.0 1 | | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{110}$ | Γ(n) | 9.0 1 | 9.0 1 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| $Cd^{110}$ | Γ(n,l=0) | 9.0 1 | 9.0 1 | | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{110}$ | Γ(n,l=0) | 9.0 1 | 9.0 1 | | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{110}$ | Γ(n,l=0) | 9.0 1 | 9.0 1 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Cd^{110}$ | Γ | 9.0 1 | 9.0 1 | | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{110}$ | Γ | 8.8 1 | 8.8 1 | | | AreaAnalysis | 1 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Cd^{110}$ | Γ | 8.8 1 | 8.8 1 | | | TimeOfFlight | 1 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Cd^{110}$ | Γ | 9.0 1 | 9.0 1 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| $Cd^{110}$ | $\Gamma^2\sigma(0)$ | 8.8 1 | 8.8 1 | | | AreaAnalysis | 1 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Cd^{110}$ | Resonance Energy | 9.0 1 | 9.0 1 | | | CaptureGamma | 1 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Cd^{110}$ | σ(0) | 8.8 1 | 8.8 1 | | | AreaAnalysis | 1 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Cd^{110}$ | σ(0) | 8.8 1 | 8.8 1 | | | TimeOfFlight | 2 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Cd^{111}$ | Sigma | 2.2 6 | 1.5 7 | S | | Activation | 24 | BAP 12 125 | Feb67 | NDL | Temperley. |
| $Cd^{111}$ | Sigma | 2.2 6 | 1.5 7 | | | Activation | 18 | NSE 32 195 | May68 | NDL | Temperley. |
| $Cd^{111}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Cd^{111}$ | Sigma | 2.8 6 | 2.8 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | BBN | Broadhead. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION | | | | | | | | | | | |
| $Cd^{111}$ | Sigma | 7.0 | 6 | 2.0 | 7 | $U^{238}(n,f)$ | Activation | 16 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Cd^{111}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Cd^{111}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| $Cd^{111}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V |
| | γ-WIDTH | | | | | | | | | | | |
| $Cd^{111}$ | $\Gamma(\gamma)$ | 2.8 | 1 | 2.8 | 1 | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| | n-WIDTH | | | | | | | | | | | |
| $Cd^{111}$ | $\Gamma(n)$ | 2.7 | 1 | 2.7 | 1 | | AreaAnalysis | 2 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Cd^{111}$ | $\Gamma(n)$ | 1.6 | 2 | 1.6 | 2 | | AreaAnalysis* | 1 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Cd^{111}$ | $2g\Gamma(n)$ | 2.8 | 1 | 1.6 | 2 | | AreaAnalysis | 4 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{111}$ | $2g\Gamma(n)$ | 2.8 | 1 | 1.6 | 2 | | | 5 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{111}$ | $2g\Gamma(n)$ | 8.6 | 1 | 1.6 | 2 | | AreaAnalysis | 4 | CU- 189 | May59 | COL | Desjardins. |
| $Cd^{111}$ | $2g\Gamma(n,l=0)$ | 2.8 | 1 | 2.8 | 1 | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{111}$ | $2g\Gamma(n,l=0)$ | 2.8 | 1 | 1.6 | 2 | | | 5 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{111}$ | $2g\Gamma(n,l=0)$ | 8.6 | 1 | 1.6 | 2 | | AreaAnalysis | 4 | CU- 189 | May59 | COL | Desjardins. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Cd^{111}$ | $\Gamma$ | 2.8 | 1 | 2.8 | 1 | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{111}$ | $\Gamma$ | 2.7 | 1 | 2.7 | 1 | | AreaAnalysis | 2 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Cd^{111}$ | $\Gamma$ | 1.6 | 2 | 1.6 | 2 | | AreaAnalysis* | 1 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Cd^{111}$ | $\Gamma^2\sigma_0(0)$ | 2.7 | 1 | 2.7 | 1 | | AreaAnalysis | 1 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Cd^{111}$ | $\Gamma^2\sigma_0(0)$ | 2.7 | 1 | 2.7 | | | TimeOfFlight | 1 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Cd^{111}$ | Resonance Energy | 1.4 | 2 | 1.4 | 2 | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{111}$ | Resonance Energy | 2.2 | 2 | 2.2 | 2 | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{111}$ | Resonance Energy | 2.8 | 1 | 2.3 | 2 | | CaptureGamma | 8 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Cd^{111}$ | Resonance Energy | 1.6 | 2 | 1.6 | 2 | | AreaAnalysis* | 1 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Cd^{111}$ | $\sigma(0)$ | 2.7 | 1 | 2.7 | 1 | | AreaAnalysis | 2 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Cd^{111}$ | Spin of Reson | 1.6 | 2 | 1.6 | 2 | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| $Cd^{111}$ | Spin of Reson | 2.8 | 1 | 1.6 | 2 | | CaptureGamma | 4 | 64PARIS/II- 673 | Jul64 | ANL | Bollinger. |
| $Cd^{111}$ | Spin of Reson | 1.6 | 2 | 1.6 | 2 | | AreaAnalysis* | 1 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Cd^{112}$ | Sigma | 1.4 | 7 | 1.5 | 7 | | Activation | 3 | NSE 32 195 | May68 | NDL | Temperley. |
| $Cd^{112}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Ge(Li)Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| $Cd^{112}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Cd^{112}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| $Cd^{112}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Ge(Li)Detect | 1 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Cd^{112}$ | Sigma | 1.4 | 7 | 1.4 | 7 | $Cu^{63}(n,2n)$ | Activation | 1 | DOK 113 537 | 57 | CCP | Dzantiev. |
| $Cd^{112}$ | Sigma | 7.0 | 6 | 2.0 | 7 | $U^{238}(n,f)$ | Activation | 16 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Cd^{112}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Cd^{112}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| $Cd^{112}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | | |
| $Cd^{112}$ | $\Gamma(\gamma)$ | 6.7 | 1 | 6.7 | 1 | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{112}$ | $\Gamma(\gamma)$ | 6.7 | 1 | 6.7 | 1 | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| | n-WIDTH | | | | | | | | | | | |
| $Cd^{112}$ | $\Gamma(n)$ | 6.7 | 1 | 6.7 | 1 | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{112}$ | $\Gamma(n)$ | 6.7 | 1 | 6.7 | 1 | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{112}$ | $\Gamma(n,l=0)$ | 6.7 | 1 | 6.7 | 1 | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{112}$ | $\Gamma(n,l=0)$ | 6.7 | 1 | 6.7 | 1 | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Cd^{112}$ | Resonance Energy | 6.8 | 1 | 2.3 | 2 | | CaptureGamma | 3 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Cd^{113}$ | Spectrum | 1.7 | -1 | 1.7 | -1 | Arb Units | γ-Spectromet | 4 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Cd^{113}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Cd^{113}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| $Cd^{113}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | | |
| $Cd^{113}$ | $\Gamma(\gamma)$ | 6.4 | 1 | 6.4 | 1 | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{113}$ | $\Gamma(\gamma)$ | 1.8 | -1 | 1.8 | -1 | Absolute | Shape Analys | 1 | EANDC/OR- 64 | May67 | WUR | Widder,F.+ |
| | n-WIDTH | | | | | | | | | | | |
| $Cd^{113}$ | $\Gamma(n)$ | 1.8 | -1 | 1.8 | -1 | Absolute | Shape Analys | 1 | EANDC/OR- 64 | May67 | WUR | Widder,F.+ |
| $Cd^{113}$ | $\Gamma(n)$ | 1.9 | 2 | 2.3 | 2 | | AreaAnalysis* | 3 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Cd^{113}$ | $2g\Gamma(n)$ | 1.8 | 1 | 1.1 | 2 | | AreaAnalysis | 3 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{113}$ | $2g\Gamma(n)$ | 1.9 | 1 | 2.1 | 2 | | | 6 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{113}$ | $2g\Gamma(n)$ | 8.5 | 1 | 2.2 | 2 | | AreaAnalysis | 4 | CU- 189 | May59 | COL | Desjardins. |
| $Cd^{113}$ | $2g\Gamma(n,l=0)$ | 1.8 | 1 | 1.1 | 2 | | AreaAnalysis | 3 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{113}$ | $2g\Gamma(n,l=0)$ | 1.9 | 1 | 2.1 | 2 | | | 6 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{113}$ | $2g\Gamma(n,l=0)$ | 8.5 | 1 | 2.2 | 2 | | AreaAnalysis | 4 | CU- 189 | May59 | COL | Desjardins. |
| $Cd^{113}$ | $2g\Gamma(n,l=0)$ | 1.8 | -1 | 1.8 | -1 | Absolute | Shape Analys | 1 | EANDC/OR- 64 | May67 | WUR | Widder,F.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH | | | | | | | | | | |
| $Cd^{113}$ | Γ | 1.8 -1 | 1.8 -1 | | | Shape Analys | 1 | PR 71 65 | Jan47 | COL | Rainwater,L.J.+ |
| $Cd^{113}$ | Γ | 1.8 -1 | 1.8 -1 | | Absolute | Shape Analys | 1 | EANDC/OR- 64 | May67 | WUR | Widder,F.+ |
| $Cd^{113}$ | Γ | 1.9 2 | 2.3 2 | | | AreaAnalysis* | 3 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Cd^{113}$ | Resonance Energy | 2.0 -1 | 2.3 2 | | | CaptureGamma | 10 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Cd^{113}$ | Resonance Energy | 1.8 -1 | 1.8 -1 | | Absolute | Shape Analys | 1 | EANDC/OR- 64 | May67 | WUR | Widder,F.+ |
| $Cd^{113}$ | Resonance Energy | 1.9 2 | 2.3 2 | | | AreaAnalysis* | 3 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Cd^{113}$ | σ(0) | 1.8 -1 | 1.8 -1 | | | Shape Analys | 1 | PR 71 65 | Jan47 | COL | Rainwater,L.J.+ |
| $Cd^{113}$ | σ(0) | 1.8 -1 | 1.8 -1 | | Absolute | Shape Analys | 1 | EANDC/OR- 64 | May67 | WUR | Widder,F.+ |
| $Cd^{113}$ | Spin of Reson | 1.8 -1 | 1.8 -1 | | | Scattering | 1 | PR 72 986 | Nov47 | ANL | Seren,L.+ |
| $Cd^{113}$ | Spin of Reson | 8.5 1 | 2.2 2 | | | AreaAnalysis | 3 | CU- 199 | May59 | COL | Desjardins. |
| $Cd^{113}$ | Spin of Reson | 1.9 2 | 2.2 8 | | | CaptureGamma | 6 | 64PARIS/II- 673 | Jul64 | ANL | Bollinger. |
| $Cd^{113}$ | Spin of Reson | 1.9 2 | 2.3 2 | | | AreaAnalysis* | 3 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Cd^{113}$ | Stat Weight Fact | 1.8 -1 | 1.8 -1 | | Absolute | Shape Analys | 1 | EANDC/OR- 64 | May67 | WUR | Widder,F.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cd^{114}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Cd^{114}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NP 66 267 | May65 | MUA | Chaubey,A.K.+ |
| $Cd^{114}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 2 | NSE 26 281 | 66 | BNL | Pearlstein. |
| $Cd^{114}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | NSE 26 281 | 66 | BNL | Pearlstein. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Cd^{114}$ | Sigma | 4.0 6 | 4.0 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| $Cd^{114}$ | Ang Distrib | 4.0 6 | 4.0 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Cd^{114}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 2 | DOK 113 537 | 57 | CCP | Dzantiev. |
| $Cd^{114}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| $Cd^{114}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 3 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Cd^{114}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Cd^{114}$ | Γ(γ) | 1.2 2 | 1.2 2 | | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{114}$ | Γ(γ) | 1.2 2 | 1.2 2 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| | n-WIDTH | | | | | | | | | | |
| $Cd^{114}$ | Γ(n) | 1.2 2 | 1.2 2 | | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{114}$ | Γ(n) | 1.2 2 | 1.2 2 | | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{114}$ | Γ(n) | 1.2 2 | 1.2 2 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| $Cd^{114}$ | Γ(n) | 1.2 2 | 1.2 2 | | | AreaAnalysis* | 1 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Cd^{114}$ | Γ(n,l=0) | 1.2 2 | 1.2 2 | | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{114}$ | Γ(n,l=0) | 1.2 2 | 1.2 2 | | | | 1 | PR 105 616 | Jan57 | MTR | Simpson. |
| $Cd^{114}$ | Γ(n,l=0) | 1.2 2 | 1.2 2 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Cd^{114}$ | Γ | 1.2 2 | 1.2 2 | | | AreaAnalysis | 1 | BAP 1 187 | Apr56 | BNL | Cote. |
| $Cd^{114}$ | Γ | 1.2 2 | 1.2 2 | | | AreaAnalysis | 1 | CU- 189 | May59 | COL | Desjardins. |
| $Cd^{114}$ | Γ | 1.2 2 | 1.2 2 | | | AreaAnalysis* | 1 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Cd^{114}$ | Resonance Energy | 5.9 1 | 1.2 2 | | | CaptureGamma | 2 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Cd^{114}$ | Resonance Energy | 1.2 2 | 1.2 2 | | | AreaAnalysis* | 1 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Cd^{114}$ | Spin of Reson | 1.2 2 | 1.2 2 | | | AreaAnalysis* | 1 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cd^{116}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Cd^{116}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Cd^{116}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Cd^{116}$ | Sigma | 1.2 7 | 2.0 7 | | $U^{238}$(n,f) | Activation | 39 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Cd^{116}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 2 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Cd^{116}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 2 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| $Cd^{116}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li) Detect | 2 | BAP 13 1422 | Nov68 | GIT | Lu.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Cd^{116}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Cd^{116}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Cd^{116}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| In | Sigma | 2.4 4 | 2.4 4 | S | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| In | Sigma | 1.7 5 | 1.0 6 | | U235(n,f) | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| In | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| In | Sigma | 7.3 3 | 9.8 5 | | U235(n,f) | Scint Tank | 61 | PR 122 182 | Apr61 | ORL | Gibbons. |
| In | Sigma | 1.9 2 | 8.2 3 | | | TimeOfFlight | 44 | 61SACLAY-203 | Jul61 | ORL | Block. |
| In | Sigma | 1.1 0 | 5.4 4 | | | Slowing-Down | 137 | ZET 42 988 | 62 | LEB | Popov. |
| In | Sigma | 1.5 -2 | 2.1 4 | | | Liquid Scint | 258 | GA-3874 | Mar63 | GA | Haddad. |
| In | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | BANDC- 33 41 | Sep63 | ORL | Schmitt. |
| In | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| In | Sigma | 3.0 4 | 3.0 4 | C | Au(n,γ) | | 1 | ARB.BER- 19 | Nov65 | KPK | Poenitz,W.P. |
| In | Sigma | 1.2 4 | 1.6 5 | | Au(n,γ) | Scint Tank | 69 | KPK- 635 | Oct67 | KPK | Poenitz,W.P.+ |
| In | Sigma | 9.9 3 | 9.4 4 | | Indium | TimeOfFlight* | 47 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| In | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| In | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| In | Sigma | 6.7 6 | 6.7 6 | | | Diff Sig Int | 1 | PR 128 351 | Oct62 | NRL | Malmberg. |
| In | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 24 | NP 78 389 | Apr66 | ANL | Vonach,W.G.+ |
| In | Sigma | 3.0 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 6 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| In | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| In | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 11 | PR 101 684 | Jan56 | NRL | Elliot,J.O. |
| In | Ang Distrib | 4.0 6 | 5.0 6 | | H(n,n) | Biased Scint | 18 | THOMSON 60G | Jul60 | LAS | Thomson. |
| In | Ang Distrib | 6.7 6 | 6.7 6 | | | Ring Geomtry | 40 | PR 128 351 | Oct62 | NRL | Malmberg. |
| In | Ang Distrib | 4.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 7 | PR 129 1649 | Feb63 | LAS | Thomson. |
| In | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| In | Ang Distrib | 3.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 96 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| In | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 116 | NP 78 389 | Apr66 | ANL | Vonach,W.G.+ |
| In | Legendre Fit | 3.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 55 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| In | Polarizat n-out | 4.0 5 | 1.0 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| | INEL SCATTERING | | | | | | | | | | |
| In | Sigma | 2.5 6 | 2.5 6 | | | CrystalScint | 2 | PR 94 144 | Apr54 | OXF | Elliot,P.A.+ |
| In | Ang Distrib | 2.6 6 | 2.6 6 | | H(n,n) | CrystalScint | 2 | PR 94 144 | Apr54 | OXF | Elliot,P.A.+ |
| In | Ang Distrib | 4.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 39 | PR 129 1649 | Feb63 | LAS | Thomson. |
| In | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 50 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| In | Ang Distrib | 6.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight* | 2 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| In | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 4 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| In | Ang Distrib | 3.2 6 | 3.2 6 | | | CrystalScint | 4 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| In | Sigma | 6.0 4 | 1.8 6 | | Carbon | Diff Sig Int | 22 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| In | Ang Distrib | 6.0 4 | 1.8 6 | | Carbon | ModeratrTank | 110 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| In | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 131 2098 | Sep63 | LAS | Arnold. |
| | (n,2n) REACTION | | | | | | | | | | |
| In | Sigma | 1.4 7 | 1.4 7 | | Cf252(Nu) | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |
| | (n,p) REACTION | | | | | | | | | | |
| In | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | PR 108 779 | Nov57 | PEN | Verbinski. |
| In | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| In | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 17 | PR 123 1738 | Sep61 | BRN | Peck. |
| | p-EMISSION | | | | | | | | | | |
| In | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 18 | PR 123 1738 | Sep61 | BRN | Peck. |
| | (n,alpha) REACTION | | | | | | | | | | |
| In | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | NP 38 601 | 62 | SAH | Sen,B. |
| In | σ(Direct) | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | NP 38 601 | 62 | SAH | Sen,B. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| In | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| In | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| In | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | JAERI-1009 | Jul60 | JAE | Fuketa,T.+ |
| In | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| In | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | KE 6 336 | Oct63 | ROS | Huettel,G.+ |
| In | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| In | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| In | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| In | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Pile Oscilat | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| | NONELASTIC SCATT | | | | | | | | | | |
| In | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| In | Sigma | 2.4 4 | 2.4 4 | | | Shell Trans | 1 | AE 20 431 | May66 | CCP | Koroleva,V.P.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| In | Sigma | 1.0 6 | 3.2 6 | | Absolute | Accelerator | 17 | PR 88 83 | Oct52 | WIS | Miller,C.W.+ |
| In | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| In | Sigma | 1.4 0 | 1.4 0 | | σ(Total) | Neutron Det | 1 | CJP 31 432 | May53 | CRC | Brockhouse,B.N. |
| In | Sigma | 2.5 -2 | 6.9 1 | | Absolute | Crystal Spec | 441 | EVANS 54B | Feb54 | MTR | Evans. |
| In | Sigma | 1.4 2 | 2.9 5 | | Absolute | TimeOfFlight | 49 | EGELSTAFF 55F | Jun55 | HAR | Egelstaff. |
| In | Sigma | 4.5 0 | 7.0 3 | | Absolute | TimeOfFlight | 231 | 55GENEVA/ 4- 22 | Aug55 | CCP | Vladimirski. |
| In | Sigma | 7.0 6 | 1.4 7 | S | Absolute | Biased Scint | 5 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| In | Sigma | 6.8 6 | 1.4 7 | | Absolute | Biased Scint | 6 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| In | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 5 | PR 120 521 | Oct60 | LRL | Peterson,J.M. |
| In | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| In | Sigma | 6.7 6 | 6.7 6 | | Absolute | Accelerator | 1 | PR 128 351 | Oct62 | NRL | Malmberg. |
| In | Sigma | 1.0 4 | 1.0 5 | | Absolute | TimeOfFlight | 10 | PR 137B 83 | Jan65 | BNL | Jain,A.P.+ |
| In | Sigma | 3.3 6 | 5.2 5 | | Absolute | Transmission | 33 | NP 65 419 | Mar65 | JNE | Manero. |
| In | Sigma | 3.0 4 | 1.4 5 | | | Accelerator | 6 | SETH 65J | Oct65 | DKE | Seth. |
| In | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 244 | POSTER 67E | May67 | RNW | Poster. |
| In | Sigma | 1.0 5 | 6.5 5 | | | Accelerator | 95 | AP 46 401 | Feb68 | DKE | Tabony. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH | | | | | | | | | | | | | | |
| In | Γ(γ) | 1.5 | 0 | 3.8 | 0 | | | Shape Analys | 2 | | PR 98 | 1267 | Jun55 | BNL | Sailor. |
| | TOTAL WIDTH | | | | | | | | | | | | | | |
| In | Γ | 1.4 | 0 | 1.4 | 0 | | σ(Total) | Neutron Det | 1 | | CJP 31 | 432 | May53 | CRC | Brockhouse,B.N. |
| In | Γ | 1.5 | 0 | 3.8 | 0 | | | Shape Analys | 2 | | PR 98 | 1267 | Jun55 | BNL | Sailor. |
| In | Γσ(0) | 1.5 | 0 | 3.8 | 0 | | | Shape Analys | 2 | | PR 98 | 1267 | Jun55 | BNL | Sailor. |
| In | Γ²σ(0) | 1.5 | 0 | 1.5 | 0 | | | Shape Analys | 2 | | PR 98 | 1267 | Jun55 | BNL | Sailor. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| In | σ(0) | 1.5 | 0 | 3.8 | 0 | | | Shape Analys | 2 | | PR 98 | 1267 | Jun55 | BNL | Sailor. |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| In | Strength Fn(l=0) | 3.0 | 4 | 3.0 | 4 | | | Transmission | 1 | | PPS 70 | 51 | Jan57 | HAR | |
| In | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | | PL 13 | 70 | Nov64 | DKE | Seth,K.K.+ |
| In | Strength Fn(l=0) | 3.4 | 5 | 3.4 | 5 | | | AverageTrans | 1 | | AP 46 | 401 | Feb68 | DKE | Tabony. |
| In | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | | PL 13 | 70 | Nov64 | DKE | Seth,K.K.+ |
| In | Strength Fn(l=1) | 3.4 | 5 | 3.4 | 5 | | | AverageTrans | 1 | | AP 46 | 401 | Feb68 | DKE | Tabony. |
| In | Strength Fn(l=1) | 3.0 | 4 | 3.0 | 4 | | | * | 1 | | NP A121 | 655 | Dec68 | PEL | Spitz,L.M.+ |
| In | Strength Fn(l=1) | 1.5 | 5 | 1.5 | 5 | | | | 1 | | NP A133 | 513 | Aug69 | KFK | Kompe,D. |
| In | Strength Fn(l=2) | 3.4 | 5 | 3.4 | 5 | | | AverageTrans | 1 | | AP 46 | 401 | Feb68 | DKE | Tabony. |
| In | Strength Fn(l=2) | 1.5 | 5 | 1.5 | 5 | | | | 1 | | NP A133 | 513 | Aug69 | KFK | Kompe,D. |
| In | Str Fnct Part(γ) | 1.5 | 5 | 1.5 | 5 | | | | 1 | | NP A133 | 513 | Aug69 | KFK | Kompe,D. |
| | LEVEL DENS PARAM | | | | | | | | | | | | | | |
| In | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | | YF 4 | 1154 | Dec66 | PEI | Salnikov,O.A.+ |
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| In¹¹³ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | | PR 72 | 888 | Nov47 | ANL | Seren,L.+ |
| In¹¹³ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | | PR 74 | 1248 | 48 | ANL | Goldhaber. |
| In¹¹³ | Sigma | 2.0 | 4 | 2.0 | 4 | | I¹²⁷ | Activation | 1 | | PR 112 | 226 | Oct58 | LRL | Booth. |
| In¹¹³ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 2 | | PR 129 | 769 | Jan63 | MTR | Keisch. |
| In¹¹³ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | | PR 129 | 769 | Jan63 | MTR | Keisch. |
| In¹¹³ | Sigma | 3.6 | 5 | 1.0 | 6 | S | Au(n,γ) | Activation | 11 | | BAP 8 | 478 | Aug63 | LOK | Grench. |
| In¹¹³ | Sigma | 3.7 | 5 | 1.0 | 6 | S | Au(n,γ) | Activation | 11 | | BAP 9 | 21 | Jan64 | LOK | Grench. |
| In¹¹³ | Sigma | 7.8 | 3 | 6.4 | 4 | | Ratio | Activation | 3 | | ARB.BER- 19 | | Nov65 | KFK | Poenitz,W.P. |
| In¹¹³ | Sigma | 7.8 | 3 | 6.4 | 4 | C | Ratio | Activation | 3 | | ARB.BER- 19 | | Nov65 | KFK | Poenitz,W.P. |
| In¹¹³ | Sigma | 7.8 | 3 | 6.4 | 4 | | Au(n,γ) | Activation | 3 | | EANDC/E- 66 | 6 | Feb66 | KFK | Poenitz,W.P. |
| In¹¹³ | Sigma | 2.4 | 4 | 2.4 | 4 | | I¹²⁷ | Activation | * 1 | | PR 152 | 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| In¹¹³ | Sigma | 3.6 | 5 | 1.0 | 6 | | Au(n,γ) | Activation | 11 | | PR 165 | 1298 | Jan68 | LOK | Grench. |
| In¹¹³ | Spectrum | 1.5 | 1 | 1.5 | 1 | | Arb Units | γ-Spectromet | 8 | | JAERI-1073 | | Mar65 | JAE | Kawarasaki,Y. |
| | INEL SCATTERING | | | | | | | | | | | | | | |
| In¹¹³ | Sigma | 4.5 | 5 | 1.0 | 6 | S | Au(n,γ) | Activation | 10 | | BAP 8 | 478 | Aug63 | LOK | Grench. |
| In¹¹³ | Sigma | 2.8 | 6 | 1.5 | 7 | | Indium | Activation | * 2 | | CSIKAI 71A | | Jan71 | KOS | Csikai,G. |
| | (n,n'γ) REACTION | | | | | | | | | | | | | | |
| In¹¹³ | Sigma | 4.5 | 5 | 1.0 | 6 | | Au(n,γ) | Activation | 10 | | PR 165 | 1298 | Jan68 | LOK | Grench. |
| | (n,2n) REACTION | | | | | | | | | | | | | | |
| In¹¹³ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 2 | | 67ROSSEND/II-233 | | Oct67 | POL | Kozlowski. |
| In¹¹³ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * 2 | | NP A109 | 694 | Mar68 | IRK | Roetzer,H. |
| In¹¹³ | Sigma | 1.5 | 7 | 1.5 | 7 | C | Ratio | Activation | * 1 | | NP A109 | 694 | Mar68 | IRK | Roetzer,H. |
| | (n,3n) REACTION | | | | | | | | | | | | | | |
| In¹¹³ | Sigma | 1.9 | 7 | 2.0 | 7 | | Copper | Activation | * 5 | | NP A118 | 379 | Oct68 | GEL | Liskien,H. |
| | γ-WIDTH | | | | | | | | | | | | | | |
| In¹¹³ | Γ(γ) | 1.5 | 1 | 2.5 | 1 | | | AreaAnalysis | 2 | | PR 99 | 10 | Jul55 | BNL | Harvey. |
| | n-WIDTH | | | | | | | | | | | | | | |
| In¹¹³ | Γ(n) | 1.5 | 1 | 7.0 | 1 | | Absolute | AreaAnalysis | 5 | | AE 1 | 55 5 | 56 | CCP | Radkevich,I.A.+ |
| In¹¹³ | 2gΓ(n) | 4.7 | 0 | 1.0 | 2 | | | AreaAnalysis | 11 | | PR 99 | 10 | Jul55 | BNL | Harvey. |
| In¹¹³ | Γ(n,l=0) | 1.5 | 1 | 7.0 | 1 | | Absolute | AreaAnalysis | 5 | | AE 1 | 55 5 | 56 | CCP | Radkevich,I.A.+ |
| In¹¹³ | 2gΓ(n,l=0) | 4.7 | 0 | 1.0 | 2 | | | AreaAnalysis | 11 | | PR 99 | 10 | Jul55 | BNL | Harvey. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| In¹¹³ | Resonance Energy | 1.8 | 0 | 2.2 | 1 | | | TimeOfFlight | 4 | | PR 87 | 161 | Jul52 | BNL | Sailor. |
| In¹¹³ | Resonance Energy | 2.0 | 1 | 2.0 | 1 | | Absolute | AreaAnalysis | 1 | | AE 1 | 55 5 | 56 | CCP | Radkevich,I.A.+ |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| In¹¹³ | Strength Fn(l=0) | 5.2 | 1 | 5.2 | 1 | | | AreaAnalysis | 1 | | PR 99 | 10 | Jul55 | BNL | Harvey. |
| In¹¹³ | Level Spacing | 5.2 | 1 | 5.2 | 1 | | | AreaAnalysis | 1 | | PR 99 | 10 | Jul55 | BNL | Harvey. |
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 2 | | PR 72 | 888 | Nov47 | ANL | Seren,L.+ |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 2 | | PR 75 | 1781 | Jun49 | ANL | Hughes. |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | | AE 2 | 22 | 57 | CCP | Myasishcheva. |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | | IJP 31 | 630 | 57 | MUA | Sehgal. |
| In¹¹⁵ | Sigma | 2.4 | 4 | 2.4 | 4 | | I¹²⁷ | Activation | 1 | | PR 107 | 504 | Jul57 | ORL | Macklin,R.L.+ |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | | ZN A 13 | 820 | 58 | GER | Meister. |
| In¹¹⁵ | Sigma | 2.0 | 5 | 4.0 | 6 | | I¹²⁷ | Activation | 6 | | 58GENEVA/15- 50 | | Sep58 | CCP | Leipunsky. |
| In¹¹⁵ | Sigma | 2.0 | 4 | 2.0 | 4 | N | I¹²⁷ | Activation | 1 | | PR 112 | 226 | Oct58 | LRL | Booth. |
| In¹¹⁵ | Sigma | 2.1 | 4 | 2.1 | 4 | | I¹²⁷ | Activation | 1 | | AE 5 | 564 | Nov58 | CCP | Kononov,V.N.+ |
| In¹¹⁵ | Sigma | 1.9 | 5 | 1.9 | 5 | | | Activation | 1 | | PR 114 | 1619 | Jun59 | ORL | Lyon. |
| In¹¹⁵ | Sigma | 1.5 | 5 | 6.3 | 6 | | U²³⁵(n,f) | Activation | 28 | | PR 116 | 927 | Nov59 | WIS | Johnsrud. |
| In¹¹⁵ | Sigma | 1.5 | 5 | 8.4 | 5 | N | U²³⁵(n,f) | Activation | 15 | | PR 116 | 927 | Nov59 | WIS | Johnsrud. |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 2 | | PR 119 | 208 | Jul60 | BNL | Domanic. |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 2 | | PL 3 | 40 | Nov62 | MOL | Fettweis. |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 2 | | PL 3 | 40 | Nov62 | MOL | Fettweis. |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Activation | 1 | | ADP 12 | 225 | 63 | ROS | Alexander. |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 2 | | NSE 17 | 329 | 63 | KFK | Beckurts. |
| In¹¹⁵ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | | NSE 17 | 329 | 63 | KFK | Beckurts. |
| In¹¹⁵ | Sigma | 2.4 | 4 | 3.1 | 6 | | Stand Source | Activation | * 4 | | NP 41 | 316 | Mar63 | DEB | Bacso,J.+ |
| In¹¹⁵ | Sigma | 2.4 | 4 | 1.5 | 7 | | Grnd/Metast | Activation | * 3 | | NP 41 | 316 | Mar63 | DEB | Bacso,J.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | | | | |
| In115 | Sigma | 3.6 | 5 | 1.0 | 6 | S | Au(n,γ) | Activation | | 11 | BAP 8 478 | | Aug63 | LOK | Grench. |
| In115 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | | 2 | NSE 19 464 | | 64 | CLA | Greenfield. |
| In115 | Sigma | 3.6 | 5 | 1.0 | 6 | S | Au(n,γ) | Activation | | 11 | BAP 9 21 | | Jan64 | LOK | Grench. |
| In115 | Sigma | 1.5 | 5 | 1.4 | 6 | | U235(n,f) | Activation | | 27 | PR 133B 378 | | Jan64 | ANL | Cox,S.A. |
| In115 | Sigma | 2.5 | -2 | 2.5 | -2 | | U235(n,f) | Activation | | 1 | CRRP-1183 | | Feb64 | CR | Bigham. |
| In115 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | | 1 | NP 66 297 | | 65 | KPK | Poenitz. |
| In115 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | | 2 | YF 1 250 | | Feb65 | LAT | Balodis. |
| In115 | Sigma | 2.4 | 4 | 2.4 | 4 | | I127 | Activation | * | 2 | NP 66 267 | | May65 | MUA | Chaubey,A.K.+ |
| In115 | Sigma | 2.5 | -2 | 2.5 | 4 | | Pu239 | Activation | | 2 | AE 19 292 | | Sep65 | CCP | Stavisskii,Yu.Y.. |
| In115 | Sigma | 7.8 | 3 | 6.4 | 4 | | Ratio | Activation | | 3 | ARB.BER- 19 | | Nov65 | KPK | Poenitz,W.P. |
| In115 | Sigma | 7.8 | 3 | 6.4 | 4 | | Au(n,γ) | Activation | | 3 | EANDC/E- 66 | 6 | Feb66 | KPK | Poenitz,W.P. |
| In115 | Sigma | 2.8 | 6 | 2.8 | 6 | | Another Reac | Activation | | 1 | JAR 18 279 | | May67 | REN | Broadhead. |
| In115 | Sigma | 3.0 | 6 | 3.0 | 6 | | | Activation | * | 1 | JNE 21 797 | | Oct67 | DEB | Peto. |
| In115 | Sigma | 9.7 | 5 | 1.9 | 7 | | U235(n,f) | Activation | | 17 | PR 163 1299 | | Nov67 | LOK | Menlove. |
| In115 | Sigma | 3.6 | 5 | 1.0 | 6 | | Au(n,γ) | Activation | | 33 | PR 165 1298 | | Jan68 | LOK | Grench. |
| In115 | Sigma | 2.9 | 6 | 2.9 | 6 | | Indium | Activation | * | 1 | OSA 105 236 | | Jun68 | IRK | Colditz,J.+ |
| In115 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | | Feb70 | NPL | Ryves,T.B. |
| In115 | Reson Integral | 6.2 | -1 | 6.2 | -1 | | Au(n,γ) | Activation | | 2 | DP- 817 | | Jan63 | SRL | Baumann. |
| In115 | Reson Integral | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | * | 1 | JNE 24 35 | | Feb70 | NPL | Ryves,T.B. |
| In115 | Spectrum | 1.5 | 0 | 9.1 | 0 | | Arb Units | γ-Spectromet | | 27 | JAERI-1073 | | Mar65 | JAE | Kawarasaki,Y. |
| In115 | Spectrum | 2.5 | -2 | 2.5 | -2 | | γ's /100neut | γ-Spectromet | * | 322 | 69STUDSVIK-317 | | Aug69 | CAS | Fubini,A.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | | | |
| In115 | Sigma | 4.0 | 6 | 4.0 | 6 | | | Diff Sig Int | | 1 | DOK 158 574 | | Sep64 | KUR | Gorlov. |
| In115 | Ang Distrib | 4.0 | 6 | 4.0 | 6 | | | CrystalScint | | 17 | DOK 158 574 | | Sep64 | KUR | Gorlov. |
| | INEL SCATTERING | | | | | | | | | | | | | | |
| In115 | Sigma | 3.6 | 5 | 1.0 | 6 | S | Au(n,γ) | Activation | | 11 | BAP 8 478 | | Aug63 | LOK | Grench. |
| In115 | Sigma | 4.4 | 6 | 4.4 | 6 | | | Activation | | 1 | PHY 30 1846 | | Dec64 | NED | Heertje,I.+ |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | S | Iron | Activation | | 1 | PHY 31 1091 | | Jan65 | NED | Nagel,W.+ |
| In115 | Sigma | 1.3 | 7 | 1.3 | 7 | S | Al(n,alpha) | Activation | | 2 | MENLOVE 66H | | Aug66 | LOK | Menlove. |
| In115 | Sigma | 9.7 | 5 | 1.9 | 7 | S | U235(n,f) | Activation | | 18 | MENLOVE 66H | | Aug66 | LOK | Menlove. |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | | 1 | NAGEL 66L | | Dec66 | NED | Nagel,W. |
| In115 | Sigma | 1.0 | 6 | 1.0 | 6 | | Al(n,alpha) | Activation | | 1 | NSE 29 7 | | Jul67 | ISP | Bresesti,A.M.+ |
| In115 | Sigma | 9.7 | 5 | 1.9 | 7 | | U235(n,f) | Activation | | 20 | PR 163 1308 | | Nov67 | LOK | Menlove. |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | NP A109 694 | | Mar68 | IRK | Roetzer,H. |
| In115 | Sigma | 5.0 | 5 | 4.6 | 6 | | | Activation | | 8 | NST 6 485 | | Sep69 | KTO | Kimura,I.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | | | |
| In115 | Sigma | 9.2 | 5 | 2.0 | 6 | | | CrystalScint | | 70 | AP 12 485 | | 61 | LAS | Lind. |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | S | Iron | Activation | | 1 | PHY 30 775 | | 64 | NED | Heertje. |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | CrystalScint | | 1 | PHY 31 1091 | | Jan65 | NED | Nagel,W.+ |
| In115 | Sigma | 1.0 | 6 | 1.0 | 6 | | | | | 1 | EANDC/E- 57 | 71 | Feb65 | MOL | Fabry,A.+ |
| In115 | Sigma | 3.6 | 5 | 1.0 | 6 | | Au(n,γ) | Activation | | 11 | PR 165 1298 | | Jan68 | LOK | Grench. |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Activation | * | 1 | NP A138 387 | | Dec69 | LRL | Barrall. |
| | (n,2n) REACTION | | | | | | | | | | | | | | |
| In115 | Sigma | 1.2 | 7 | 2.0 | 7 | | U238(n,f) | Activation | | 14 | PR 121 1438 | | Mar61 | LAS | Prestwood. |
| In115 | Sigma | 1.3 | 7 | 1.3 | 7 | | Al(n,alpha) | Activation | | 1 | MENLOVE 66H | | Aug66 | LOK | Menlove. |
| In115 | Sigma | 1.3 | 7 | 1.3 | 7 | S | Al(n,alpha) | Activation | | 2 | MENLOVE 66H | | Aug66 | LOK | Menlove. |
| In115 | Sigma | 1.3 | 7 | 1.9 | 7 | S | U235(n,f) | Activation | | 8 | MENLOVE 66H | | Aug66 | LOK | Menlove. |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 1 | NP 88 349 | | Nov66 | MUA | Rama Prasad,P.+ |
| In115 | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | | 1 | NAGEL 66L | | Dec66 | NED | Nagel,W. |
| In115 | Sigma | 1.4 | 7 | 1.7 | 7 | | H(n,n) | Activation | | 23 | EANDC/E- 76 | 51 | Jan67 | HAH | Bormann,M.+ |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Metast/Total | Activation | * | 1 | NP A 94 476 | | Mar67 | MUA | Rama Prasad,P.+ |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | * | 1 | NP A 94 476 | | Mar67 | MUA | Rama Prasad,P.+ |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | | 2 | 67ROSSEND/II-233 | | Oct67 | POL | Kozlowski. |
| In115 | Sigma | 1.3 | 7 | 1.9 | 7 | | U235(n,f) | Activation | | 10 | PR 163 1308 | | Nov67 | LOK | Menlove. |
| In115 | Sigma | 1.4 | 7 | 1.5 | 7 | | Ratio | | * | 11 | EANDC/E- 89 | 37 | Feb68 | MUN | Vonach,H.K.+ |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 2 | NP A109 694 | | Mar68 | IRK | Roetzer,H. |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | C | Ratio | Activation | * | 1 | NP A109 694 | | Mar68 | IRK | Roetzer,H. |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Activation | * | 1 | NP A138 387 | | Dec69 | LRL | Barrall. |
| | (n,p) REACTION | | | | | | | | | | | | | | |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | PPS 73 215 | | 59 | ALD | Coleman,R.F.+ |
| In115 | Sigma | 1.0 | 7 | 2.5 | 7 | | Metast/Grnd | Activation | * | 4 | JIN 10 173 | | May59 | OSL | |
| In115 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | Proportion | C | 60 | NP 47 473 | | Sep63 | MUA | Hans,H.S.+ |
| | p-EMISSION | | | | | | | | | | | | | | |
| In115 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Count Telesc | | 12 | NP 47 473 | | Sep63 | IND | Hans,H.S.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | | |
| In115 | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | | 1 | PR 100 429 | | Oct55 | ORL | Blosser. |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | PPS 73 215 | | 59 | ALD | Coleman,R.F.+ |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | | 1 | NAGEL 66L | | Dec66 | NED | Nagel,W. |
| | (n,n alpha) REACT | | | | | | | | | | | | | | |
| In115 | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 1 | PR 131 2649 | | Sep63 | ARK | Pramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| In115 | Sigma | 2.5 | -2 | 2.5 | -2 | | Mn55 | Activation | | 1 | NKA 8 437 | | 63 | POL | Jozefowicz. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | |
| In115 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | | 1 | NP A 92 433 | | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | | | | | |
| In115 | Γ(γ) | 9.1 | 0 | 4.0 | 1 | | | AreaAnalysis | | 3 | PR 99 10 | | Jul55 | BNL | Harvey. |
| In115 | Γ(γ) | 1.5 | 0 | 1.5 | 0 | | | Scattering | | 1 | PR 109 417 | | Jan58 | COL | Moore. |
| | n-WIDTH | | | | | | | | | | | | | | |
| In115 | Γ(n) | 9.0 | 0 | 9.5 | 1 | | Absolute | AreaAnalysis | | 7 | AE 1 55 | 5 | 56 | CCP | Radkevich,I.A.+ |
| In115 | Γ(n) | 1.5 | 0 | 1.5 | 0 | | | Scattering | | 1 | PR 109 417 | | Jan58 | COL | Moore. |
| In115 | gΓ(n) | 1.5 | 0 | 1.5 | 0 | | | | * | 1 | 68MADRAS-288 | | Feb68 | TRM | Ramakrishna,D.V.S.+ |
| In115 | 2gΓ(n) | 3.9 | 0 | 9.5 | 1 | | | AreaAnalysis | | 10 | PR 99 10 | | Jul55 | BNL | Harvey. |
| In115 | Γ(n,l=0) | 9.0 | 0 | 9.5 | 1 | | Absolute | AreaAnalysis | | 7 | AE 1 55 | 5 | 56 | CCP | Radkevich,I.A.+ |
| In115 | 2gΓ(n,l=0) | 3.9 | 0 | 9.5 | 1 | | | AreaAnalysis | | 10 | PR 99 10 | | Jul55 | BNL | Harvey. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | | | |
| In[115] | $\Gamma(n)/\Gamma$ | 1.5 | 0 | 1.5 | 0 | | | Scattering | 1 | JPR | 22 | 707 | Oct61 | MOL | Ceulemans. |
| | TOTAL WIDTH | | | | | | | | | | | | | | |
| In[115] | $\Gamma$ | 1.5 | 0 | 1.5 | 0 | | | Scattering | 1 | PR | 109 | 417 | Jan58 | COL | Moore. |
| In[115] | $\Gamma$ | 1.5 | 0 | 9.2 | 0 | | | AreaAnalysis | 3 | AE | 16 | 523 | 64 | CCP | Begzhanov,R.B.+ |
| In[115] | $\Gamma$ | 1.5 | 0 | 1.5 | 0 | | | * | 1 | 68MADRAS-288 | | | Feb68 | TRM | Ramakrishna,D.V.S.+ |
| In[115] | $\Gamma$ | 1.5 | 0 | 1.5 | 0 | | | Selfindicatn* | 1 | NUK | 12 | 259 | Oct69 | ATI | Fleck,C.M. |
| In[115] | $\Gamma\sigma(0)$ | 1.5 | 0 | 9.2 | 0 | | | AreaAnalysis | 3 | AE | 16 | 523 | 64 | CCP | Begzhanov,R.B.+ |
| In[115] | $\Gamma^2\sigma(0)$ | 9.0 | 0 | 4.0 | 1 | | Absolute | AreaAnalysis | 3 | AE | 1 | 55 5 | 56 | CCP | Radkevich,I.A.+ |
| In[115] | $\Gamma^2\sigma(0)$ | 1.5 | 0 | 9.0 | 0 | | | Scattering | 3 | PR | 109 | 417 | Jan58 | COL | Moore. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | |
| In[115] | Resonance Energy | 1.5 | 0 | 2.3 | 1 | | | TimeOfFlight | 5 | PR | 87 | 161 | Jul52 | BNL | Sailor. |
| In[115] | Resonance Energy | 6.3 | 1 | 1.3 | 2 | | Absolute | AreaAnalysis | 2 | AE | 1 | 55 5 | 56 | CCP | Radkevich,I.A.+ |
| In[115] | Resonance Energy | 1.5 | 0 | 1.5 | 0 | | | * | 1 | 68MADRAS-288 | | | Feb68 | TRM | Ramakrishna,D.V.S.+ |
| In[115] | Resonance Energy | 1.5 | 0 | 1.5 | 0 | | | Selfindicatn* | 1 | NUK | 12 | 259 | Oct69 | ATI | Fleck,C.M. |
| In[115] | $\sigma(0)$ | 1.5 | 0 | 9.2 | 0 | | | AreaAnalysis | 3 | AE | 16 | 523 | 64 | CCP | Begzhanov,R.B.+ |
| In[115] | $\sigma(0)$ | 1.5 | 0 | 1.5 | 0 | | | * | 1 | 68MADRAS-288 | | | Feb68 | TRM | Ramakrishna,D.V.S.+ |
| In[115] | $\sigma(0)$ | 1.5 | 0 | 1.5 | 0 | | | Selfindicatn* | 1 | NUK | 12 | 259 | Oct69 | ATI | Fleck,C.M. |
| In[115] | Spin of Reson | 1.5 | 0 | 1.5 | 0 | | | Polar T or B | 1 | PR | 98 | 1512 | Jun55 | ORL | Dabbs. |
| In[115] | Spin of Reson | 1.5 | 0 | 1.5 | 0 | | | Scattering | 1 | PR | 109 | 417 | Jan58 | COL | Moore. |
| In[115] | Spin of Reson | 1.5 | 0 | 9.1 | 0 | | | Polar T or B | 3 | PR | 118 | 211 | Apr60 | NRL | |
| In[115] | Spin of Reson | 1.5 | 0 | 1.5 | 0 | | | Polar T or B | 1 | WASH-1033 | | 5 | Aug61 | BNL | Desjardins,J.S. |
| In[115] | Spin of Reson | 1.5 | 0 | 1.5 | 0 | | | Scattering | 1 | JPR | 22 | 707 | Oct61 | MOL | Ceulemans. |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| In[115] | Strength Fn(l=0) | 4.7 | 1 | 4.7 | 1 | | | AreaAnalysis | 1 | PR | 99 | 10 | Jul55 | BNL | Harvey. |
| In[115] | Strength Fn(l=0) | 6.4 | 4 | 6.4 | 4 | | Ratio | | 1 | EANDC/E- | 66 | 5 | Feb66 | KFK | Poenitz,W. |
| In[115] | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF | 4 | 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| In[115] | Level Spacing | 4.7 | 1 | 4.7 | 1 | | | AreaAnalysis | 1 | PR | 99 | 10 | Jul55 | BNL | Harvey. |
| In[115] | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF | 4 | 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | | | |
| In[115] | Nucl Temperature | 1.5 | 7 | 1.5 | 7 | | | | 4 | NP | 47 | 473 | Sep63 | MUA | Hans,H.S.+ |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | | | |
| In[116] | Spectrum | 2.5 | -2 | 2.5 | -2 | | | $\gamma$-Spectromet | 4 | AE | 4 | 454 | May58 | CCP | Sklyarevskii,V.V.+ |
| In[116] | Spectrum | 2.5 | -2 | 2.5 | -2 | | Absolute | $\gamma$-Spectromet | 8 | YF | 2 | 1 | Jul65 | FTI | Vesna,V.A.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | | | |
| In[116] | Spin cut-off Par | 2.4 | 4 | 2.4 | 4 | | | * | 1 | NP | A117 | 545 | Sep68 | MUA | Chaubey,A.K.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Sn | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 3 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| Sn | Sigma | 2.5 4 | 8.3 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Sn | Sigma | 1.7 5 | 1.0 6 | | $U^{235}$(n,f) | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Sn | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Sn | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 194 1272 | Jun62 | ORL | Macklin. |
| Sn | Sigma | 3.0 4 | 3.0 4 | | | TimeOfFlight | 1 | NP 43 353 | 63 | ORL | Macklin. |
| Sn | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| | γ,EMISSION | | | | | | | | | | |
| Sn | Ang Distrib | 6.2 1 | 6.2 1 | | Ratio | γ-Spectromet | 3 | CJP 43 2156 | Dec65 | HAR | Mcneill,K.G.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Sn | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Sn | Sigma | 3.7 6 | 3.7 6 | | | Ring Geomtry | 1 | PR 94 1267 | Jun54 | BAR | Snowden. |
| Sn | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Sn | Sigma | 1.4 7 | 1.4 7 | | | Ring Geomtry | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| Sn | Sigma | 2.2 5 | 2.2 5 | | | Ring Geomtry | 1 | ZET 38 1434 | May60 | CCP | Lovchikova. |
| Sn | Sigma | 6.5 5 | 6.5 5 | | | Threshold C | 1 | UFZ 8 1323 | 63 | UKR | Korzh. |
| Sn | Sigma | 3.0 5 | 3.0 5 | | | | 1 | UFZ 8 1389 | 63 | UKR | Korzh. |
| Sn | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Sn | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Sn | Sigma | 3.0 5 | 1.5 6 | S | Carbon | TimeOfFlight | 25 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Sn | Sigma | 3.2 5 | 1.4 6 | | Carbon | TimeOfFlight | 62 | SMITH 65H | Aug65 | ANL | Smith. |
| Sn | Sigma | 3.2 5 | 1.4 6 | | Carbon | TimeOfFlight | 62 | NP A 93 609 | Mar67 | ANL | Smith. |
| Sn | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Sn | Ang Distrib | 3.7 6 | 3.7 6 | | | Ring Geomtry | 19 | PR 94 1267 | Jun54 | BAR | Snowden. |
| Sn | Ang Distrib | 4.1 6 | 4.1 6 | | | Biased Scint | 11 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Sn | Ang Distrib | 5.0 5 | 1.5 6 | | | Ring Geomtry | 4 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Sn | Ang Distrib | 2.5 6 | 7.0 6 | | | Proportion C | 30 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Sn | Ang Distrib | 9.0 5 | 9.0 5 | | | Ring Geomtry | 5 | AE 2 174 | 57 | CCP | Lovchikova. |
| Sn | Ang Distrib | 1.5 7 | 1.5 7 | | | Biased Scint | 20 | DOK 113 553 | 57 | CCP | Khaletskii. |
| Sn | Ang Distrib | 3.5 8 | 3.5 8 | | | Count Telesc | 7 | PPS 71 552 | 58 | LVP | Ashmore. |
| Sn | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 31 | PR 110 160 | Apr58 | LRL | Anderson,J.D.+ |
| Sn | Ang Distrib | 1.5 7 | 1.5 7 | | | Ring Geomtry | 43 | PR 111 250 | Jul58 | LAS | Coon. |
| Sn | Ang Distrib | 2.8 6 | 2.8 6 | | | Ring Geomtry | 8 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| Sn | Ang Distrib | 2.2 5 | 2.2 5 | | | Ring Geomtry | 6 | ZET 38 1434 | May60 | CCP | Lovchikova. |
| Sn | Ang Distrib | 2.8 7 | 2.8 7 | | | CrystalScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Sn | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 14 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Sn | Ang Distrib | 2.4 7 | 2.4 7 | | | Biased Scint | 29 | PR 125 276 | Jan62 | LRL | Stuart. |
| Sn | Ang Distrib | 1.4 7 | 1.5 7 | S | | Ring Geomtry | 9 | BAP 7 335 | Apr62 | ORL | Cross,W.G.+ |
| Sn | Ang Distrib | 6.5 5 | 6.5 5 | | | Threshold C | 8 | UFZ 8 1323 | 63 | UKR | Korzh. |
| Sn | Ang Distrib | 3.0 5 | 3.0 5 | | | Threshold C | 8 | UFZ 8 1389 | 63 | UKR | Korzh. |
| Sn | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Sn | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Sn | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 14 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Sn | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 9 | NP 68 97 | Jun65 | ORL | Stelson. |
| Sn | Ang Distrib | 3.2 6 | 3.2 6 | | | | 14 | NP 89 154 | 66 | BCM | Becker. |
| Sn | Legendre Fit | 3.0 5 | 1.5 6 | S | Carbon | TimeOfFlight | 118 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Sn | Legendre Fit | 3.2 5 | 1.4 6 | | Carbon | TimeOfFlight | 372 | SMITH 65H | Aug65 | ANL | Smith. |
| Sn | Legendre Fit | 3.2 5 | 1.4 6 | | Carbon | TimeOfFlight | 297 | NP A 93 609 | Mar67 | ANL | Smith. |
| Sn | Polarizat n-out | 4.0 5 | 1.0 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| Sn | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Sn | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Sn | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| Sn | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Sn | Sigma | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 1 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Sn | Sigma | 8.3 9 | 8.3 9 | | | Count Telesc | 1 | ZET 42 909 | Mar62 | DUB | Pantuev. |
| Sn | Sigma | 1.0 6 | 1.2 6 | | | $He^3$ Spec | 2 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Sn | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Sn | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Sn | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 13 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| Sn | Ang Distrib | 1.4 7 | 1.5 7 | S | | Ring Geomtry | 18 | BAP 7 335 | Apr62 | ORL | Cross,W.G.+ |
| Sn | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 11 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| Sn | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 1 | BAP 10 498 | Apr65 | LRL | Schectman,R.M.+ |
| Sn | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 18 | NP 68 97 | Jun65 | ORL | Stelson. |
| Sn | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 39 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Sn | Ang Distrib | 6.0 6 | 6.0 6 | | H(n,n) | TimeOfFlight* | 1 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Sn | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 3 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Sn | Sigma | 1.1 6 | 2.0 6 | | H(n,n) | Ring Geomtry | 34 | NP 70 421 | Aug65 | JAE | Nishimura,K.+ |
| Sn | Ang Distrib | 3.2 6 | 3.2 6 | | | CrystalScint | 3 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Sn | Sigma | 6.0 4 | 1.4 6 | | Carbon | Diff Sig Int | 18 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Sn | Sigma | 5.0 4 | 2.2 6 | | Carbon | ModeratrTank | 31 | AP 12 135 | Feb61 | ANL | Lane. |
| Sn | Ang Distrib | 5.0 9 | 5.0 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| Sn | Legendre Fit | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 155 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Sn | σ(Potential) | 4.9 1 | 4.9 1 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| Sn | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sn | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sn | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sn | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Sn | Sigma | 1.4 7 | 1.4 7 | | $Cf^{252}$(Nu) | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION | | | | | | | | | | |
| Sn | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| Sn | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Biased Scint | 1 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| | MISC FISS QUANT | | | | | | | | | | |
| Sn | Neutron/Capture | 1.4 7 | 1.4 7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Sn | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PPS 63 1175 | 50 | HAR | Colmer,P.C.W.+ |
| Sn | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Sn | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Sn | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Sn | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Sn | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Sn | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| Sn | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Sn | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| Sn | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Sn | Sigma | 1.0 6 | 4.5 6 | | Absolute | Shell Trans | 3 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Sn | Sigma | 2.5 6 | 4.1 6 | | Absolute | Shell Trans | 3 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Sn | Sigma | 1.4 7 | 1.4 7 | S | Absolute | Activation | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Sn | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Sn | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Sn | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Flerov. |
| Sn | Sigma | 2.5 6 | 2.5 6 | | | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Sn | Sigma | 1.8 6 | 7.0 6 | | Absolute | Shell Trans | 4 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Sn | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Sn | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Sn | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| Sn | Sigma | 7.4 6 | 1.5 7 | | | Shell Trans | 6 | PR 110 1392 | Jun58 | LRL | Ball,W.P.+ |
| Sn | Sigma | 2.1 7 | 2.9 7 | | Absolute | Shell Trans | 3 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| Sn | Sigma | 8.2 6 | 1.9 7 | | Absolute | Shell Trans | 5 | PR 113 1088 | Feb59 | RIC | Bonner,T.W.+ |
| Sn | Sigma | 1.5 7 | 1.5 7 | | Absolute | Shell Trans | 1 | PR 161 1181 | Sep67 | BOS | Chatterjee,A.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Sn | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| Sn | Sigma | 3.2 4 | 1.4 6 | | Absolute | Accelerator | 18 | PR 77 748 | Mar50 | WIS | Adair. |
| Sn | Sigma | 1.0 6 | 3.2 6 | | Absolute | Accelerator | 16 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Sn | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Sn | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Sn | Sigma | 3.4 -4 | 1.2 -2 | | Absolute | TimeOfFlight | 39 | PALEVSKY 54 | 54 | BNL | Palevsky. |
| Sn | Sigma | 3.7 6 | 3.7 6 | | | Accelerator | 1 | PR 94 1267 | Jun54 | BAR | Snowden. |
| Sn | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Sn | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Sn | Sigma | 1.4 9 | 1.4 9 | | | Count Telesc | 1 | PR 98 1369 | Jun55 | BNL | Coor,T.+ |
| Sn | Sigma | 2.7 1 | 6.9 2 | | Absolute | TimeOfFlight | 250 | PR 99 10 | Jul55 | BNL | Harvey. |
| Sn | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Sn | Sigma | 1.3 7 | 1.6 7 | | Absolute | Accelerator | 7 | PR 100 972 | Nov55 | MEX | Mazari. |
| Sn | Sigma | 1.5 7 | 1.5 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| Sn | Sigma | 8.8 6 | 1.1 7 | S | Absolute | Biased Scint | 2 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Sn | Sigma | 1.7 1 | 8.2 1 | | Absolute | TimeOfFlight | 33 | PR 110 692 | May58 | BNL | Seth. |
| Sn | Sigma | 6.8 6 | 1.4 7 | | Absolute | Biased Scint | 7 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Sn | Sigma | 1.2 7 | 2.0 7 | | Absolute | TimeOfFlight | 13 | NP 16 313 | May60 | HAR | Mccallum,G.J.+ |
| Sn | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Sn | Sigma | 5.0 9 | 5.0 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| Sn | Sigma | 8.3 9 | 8.3 9 | | | Count Telesc | 1 | ZET 42 909 | Mar62 | DUB | Pantuev. |
| Sn | Sigma | 1.5 4 | 6.4 5 | | Absolute | Accelerator | 79 | PL 16 306 | Jun65 | DKE | Seth. |
| Sn | Sigma | 1.0 5 | 6.5 5 | | Absolute | Accelerator | 541 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| Sn | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 241 | FOSTER 67E | May67 | BNW | Foster. |
| Sn | Sigma | 4.5 6 | 7.6 6 | | Absolute | Accelerator | 61 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Sn | Sigma | 8.9 6 | 8.9 6 | | Absolute | CrystalScint | 1 | AJP 37 649 | Jun69 | ORL | |
| | AVERAGED PARAM | | | | | | | | | | |
| Sn | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Sn | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Sn | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sn^{112}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Sn^{112}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | ORNL- 828 | 50 | ORL | Nelson. |
| $Sn^{112}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 124 1186 | Nov61 | BNL | Schmorak. |
| $Sn^{112}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NSE 31 545 | Mar68 | USA | Tilbury. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Sn^{112}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}$(n,2n) | Activation | 1 | BAP 4 288 | Apr59 | ANL | Rayburn. |
| $Sn^{112}$ | Sigma | 1.2 7 | 1.4 7 | | H(n,n) | Count Telesc | 3 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Sn^{112}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Sn^{112}$ | Sigma | 1.2 7 | 1.8 7 | | | | 15 | BAP 8 121 | Mar63 | GEO | Rayburn. |
| $Sn^{112}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | ZET 46 1483 | Apr64 | CCP | Klyucharev. |
| $Sn^{112}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Sn^{112}$ | Sigma | 1.3 7 | 1.9 7 | | H(n,n) | Activation * | 10 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| $Sn^{112}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP A119 517 | Nov68 | RBZ | Lulic. |
| $Sn^{112}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | BAP 14 495 | Apr69 | GIT | Ranakumar. |
| | (n,p) REACTION | | | | | | | | | | |
| $Sn^{112}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | ZET 44 472 | Feb63 | CCP | Chursin. |
| $Sn^{112}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 2 | ZET 46 1483 | Apr64 | CCP | Klyucharev. |
| $Sn^{112}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 2 | NP A119 517 | Nov68 | RBZ | Lulic. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sn^{112}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | n-WIDTH | | | | | | | | | | |
| $Sn^{112}$ | Γ(n) | 9.6 1 | 2.8 2 | | | AreaAnalysis | 2 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{112}$ | Γ(n) | 9.6 1 | 9.6 1 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{112}$ | Γ(n) | 2.1 1 | 1.4 3 | | | AreaAnalysis | 12 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{112}$ | Γ(n,l=0) | 9.6 1 | 2.8 2 | | | AreaAnalysis | 2 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{112}$ | Γ(n,l=0) | 2.1 1 | 1.4 3 | | | AreaAnalysis | 12 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Sn^{112}$ | Level Spacing | 1.4 2 | 1.4 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Sn^{114}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | n-WIDTH | | | | | | | | | | |
| $Sn^{114}$ | Γ(n) | 2.8 2 | 2.8 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{114}$ | Γ(n) | 2.8 2 | 2.0 3 | | | AreaAnalysis | 6 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{114}$ | Γ(n,l=0) | 2.8 2 | 2.8 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{114}$ | Γ(n,l=0) | 2.8 2 | 2.0 3 | | | AreaAnalysis | 6 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Sn^{115}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sn^{115}$ | Sigma | 8.3 5 | 8.3 5 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | n-WIDTH | | | | | | | | | | |
| $Sn^{115}$ | Γ(n) | 2.9 8 | 2.9 8 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{115}$ | Γ(n) | 2.9 2 | 8.7 2 | | | AreaAnalysis | 4 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{115}$ | Γ(n,l=0) | 2.9 2 | 2.9 2 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{115}$ | Γ(n,l=0) | 2.9 2 | 8.7 2 | | | AreaAnalysis | 4 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sn^{116}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 194 1272 | Jun62 | ORL | Macklin. |
| $Sn^{116}$ | Sigma | 9.3 3 | 5.2 5 | | | | 17 | GIBBONS 64C | Mar64 | ORL | Gibbons. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Sn^{116}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{116}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{116}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 23 868 | Nov67 | PR | Kay,M.I.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Sn^{116}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | ZET 44 472 | Feb63 | CCP | Chursin. |
| $Sn^{116}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 2 | INR- 461/I | Jun63 | JAD | Brzosko. |
| $Sn^{116}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 3 | NP 45 579 | Jul63 | POL | Brzosko,J.+ |
| $Sn^{116}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 2 | NP 74 438 | Dec65 | POL | Brzosko,J.+ |
| $Sn^{116}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sn^{116}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | n-WIDTH | | | | | | | | | | |
| $Sn^{116}$ | Γ(n) | 1.5 2 | 1.5 2 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{116}$ | Γ(n) | 1.1 8 | 1.1 8 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{116}$ | Γ(n) | 1.1 2 | 3.4 3 | | | AreaAnalysis | 9 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{116}$ | Γ(n) | 1.6 3 | 4.6 3 | | | AreaAnalysis | 5 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{116}$ | Γ(n,l=0) | 1.1 2 | 1.5 2 | | | AreaAnalysis | 2 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{116}$ | Γ(n,l=0) | 1.1 2 | 3.4 3 | | | AreaAnalysis | 9 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{116}$ | Γ(n,l=0) | 1.6 3 | 4.6 3 | | | AreaAnalysis | 5 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Sn^{116}$ | Strength Funct | 9.6 2 | 9.6 2 | | | AverageTrans | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{116}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Sn^{116}$ | Level Spacing | 7.5 1 | 7.5 1 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{116}$ | Level Spacing | 9.6 2 | 9.6 2 | | | | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{116}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sn^{117}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 194 1272 | Jun62 | ORL | Macklin. |
| $Sn^{117}$ | Sigma | 8.7 3 | 5.1 4 | | | | 18 | GIBBONS 64C | Mar64 | ORL | Gibbons. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Sn^{117}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{117}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{117}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 23 868 | Nov67 | PR | Kay,M.I.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Sn^{117}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 2 | INR- 461/I | Jun63 | JAD | Brzosko. |
| $Sn^{117}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | NP 45 579 | Jul63 | POL | Brzosko,J.+ |
| $Sn^{117}$ | Sigma | 1.4 7 | 1.4 7 | S | Iron | Activation | 2 | NP 45 579 | Jul63 | POL | Brzosko,J.+ |
| $Sn^{117}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | ZET 46 1483 | Apr64 | CCP | Klyucharev. |
| $Sn^{117}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 2 | NP 74 438 | Dec65 | POL | Brzosko,J.+ |
| $Sn^{117}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 2 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sn^{117}$ | Sigma | 8.3 5 | 8.3 5 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sn^{117}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | | |
| $Sn^{117}$ | Γ(n) | 3.9 | 1 | 1.2 | 2 | | | AreaAnalysis | 2 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{117}$ | Γ(n) | 1.2 | 2 | 4.6 | 2 | | | TimeOfFlight | 6 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{117}$ | Γ(n) | 1.3 | 0 | 1.4 | 3 | | | AreaAnalysis | 24 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{117}$ | Γ(n,l=0) | 3.9 | 1 | 2.6 | 2 | | | AreaAnalysis | 5 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{117}$ | Γ(n,l=0) | 3.4 | 2 | 4.6 | 2 | | | TimeOfFlight | 3 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{117}$ | Γ(n,l=0) | 1.3 | 0 | 1.4 | 3 | | | AreaAnalysis | 24 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Sn^{117}$ | Spin of Reson | 3.9 | 1 | 3.9 | 1 | | | | 1 | PR 166 1111 | Feb68 | BNL | Bhat,M.R.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Sn^{117}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Sn^{117}$ | Level Spacing | 2.3 | 2 | 2.3 | 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{117}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Sn^{118}$ | Sigma | 3.0 | 4 | 3.0 | 4 | | | Moxon-Rae C | 1 | NAT 194 1272 | Jun62 | ORL | Macklin. |
| $Sn^{118}$ | Sigma | 8.7 | 3 | 5.8 | 4 | | | | 19 | GIBBONS 64C | Mar64 | ORL | Gibbons. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $Sn^{118}$ | Sigma | 4.0 | 6 | 4.0 | 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| $Sn^{118}$ | Ang Distrib | 2.8 | 7 | 2.8 | 7 | | | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| $Sn^{118}$ | Ang Distrib | 4.0 | 6 | 4.0 | 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| $Sn^{118}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{118}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{118}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ACR 23 868 | Nov67 | PR | Kay,M.I.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Sn^{118}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 1 | NP 74 438 | Dec65 | POL | Brzosko,J.+ |
| $Sn^{118}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Sn^{118}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | ZET 44 472 | Feb63 | CCP | Chursin. |
| $Sn^{118}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 2 | INR- 461/I | Jun63 | JAD | Brzosko. |
| $Sn^{118}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 2 | NP 74 438 | Dec65 | POL | Brzosko,J.+ |
| $Sn^{118}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | (n,np) REACTION | | | | | | | | | | | | |
| $Sn^{118}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 2 | INR- 461/I | Jun63 | JAD | Brzosko. |
| $Sn^{118}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 2 | NP 74 438 | Dec65 | POL | Brzosko,J.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Sn^{118}$ | Sigma | 1.5 | 7 | 2.5 | 7 | | Metast/Grnd | Activation * | 3 | JIN 10 173 | May59 | OSL | |
| $Sn^{118}$ | Sigma | 1.2 | 7 | 2.0 | 7 | | $U^{238}$(n,f) | Activation | 14 | JIN 23 173 61 | | LAS | Prestwood. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Sn^{118}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Sn^{118}$ | Γ(n) | 4.6 | 1 | 4.6 | 1 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{118}$ | Γ(n) | 3.7 | 2 | 3.7 | 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{118}$ | Γ(n) | 4.6 | 1 | 3.4 | 3 | | | AreaAnalysis | 10 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{118}$ | Γ(n) | 3.6 | 2 | 4.7 | 3 | | | AreaAnalysis | 6 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{118}$ | Γ(n,l=0) | 4.6 | 1 | 3.7 | 2 | | | AreaAnalysis | 2 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{118}$ | Γ(n,l=0) | 4.6 | 1 | 3.4 | 3 | | | AreaAnalysis | 10 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{118}$ | Γ(n,l=0) | 3.6 | 2 | 4.7 | 3 | | | AreaAnalysis | 7 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Sn^{118}$ | Spin of Reson | 4.6 | 1 | 4.6 | 1 | | | | 1 | PR 166 1111 | Feb68 | BNL | Bhat,M.R.+ |
| $Sn^{118}$ | n-Orbit Ang Mom | 4.6 | 1 | 7.4 | 3 | | | | 7 | 65ANTWRP- 76 | Jul65 | ORL | Harvey. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Sn^{118}$ | Strength Funct | 2.7 | 3 | 2.7 | 3 | | | AverageTrans | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{118}$ | Level Spacing | 1.8 | 2 | 1.8 | 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{118}$ | Level Spacing | 2.7 | 3 | 2.7 | 3 | | | | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Sn^{119}$ | Sigma | 3.0 | 4 | 3.0 | 4 | | | Moxon-Rae C | 1 | NAT 194 1272 | Jun62 | ORL | Macklin. |
| $Sn^{119}$ | Sigma | 8.7 | 3 | 5.2 | 4 | | | | 18 | GIBBONS 64C | Mar64 | ORL | Gibbons. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| $Sn^{119}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{119}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{119}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ACR 23 868 | Nov67 | PR | Kay,M.I.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Sn^{119}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | ZET 44 472 | Feb63 | CCP | Chursin. |
| $Sn^{119}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 2 | INR- 461/I | Jun63 | JAD | Brzosko. |
| $Sn^{119}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 2 | NP 74 438 | Dec65 | POL | Brzosko,J.+ |
| $Sn^{119}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 2 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | β-EMISSION | | | | | | | | | | | | |
| $Sn^{119}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | ZET 44 472 | Feb63 | CCP | Chursin. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Sn^{119}$ | Sigma | 8.3 | 5 | 8.3 | 5 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Sn^{119}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | | |
| $Sn^{119}$ | Γ(n) | 1.4 | 2 | 4.6 | 2 | | | TimeOfFlight | 3 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{119}$ | Γ(n) | 6.2 | 0 | 1.3 | 3 | | | AreaAnalysis | 16 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{119}$ | Γ(n,l=0) | 1.4 | 2 | 1.4 | 2 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{119}$ | Γ(n,l=0) | 2.2 | 2 | 4.6 | 2 | | | TimeOfFlight | 2 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{119}$ | Γ(n,l=0) | 6.2 | 0 | 1.3 | 3 | | | AreaAnalysis | 16 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Sn^{119}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S. |
| $Sn^{119}$ | Level Spacing | 2.3 | 2 | 2.3 | 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{119}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Sn^{120}$ | Sigma | 3.0 | 4 | 3.0 | 4 | | | Moxon-Rae C | 1 | NAT 194 1272 | Jun62 | ORL | Macklin. |
| $Sn^{120}$ | Sigma | 9.3 | 3 | 5.1 | 4 | | | | 17 | GIBBONS 64C | Mar64 | ORL | Gibbons. |
| $Sn^{120}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $Sn^{120}$ | Ang Distrib | 1.5 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | 65 | TANAKA 71L | Dec71 | JAE | Tanaka,S. |
| | INEL SCATTERING | | | | | | | | | | | | |
| $Sn^{120}$ | Ang Distrib | 2.0 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | 104 | TANAKA 71L | Dec71 | JAE | Tanaka,S. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| $Sn^{120}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{120}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{120}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ACR 23 868 | Nov67 | PR | Kay,M.I.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Sn^{120}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Sn^{120}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 2 | JIN 13 196 60 | | ARK | Poularikas. |
| $Sn^{120}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | ZET 44 472 | Feb63 | CCP | Chursin. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Sn^{120}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Sn^{120}$ | Γ(n) | 4.2 | 2 | 4.2 | 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{120}$ | Γ(n) | 3.6 | 2 | 1.7 | 3 | | | AreaAnalysis | 7 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{120}$ | Γ(n) | 4.3 | 2 | 1.7 | 3 | | | | 6 | 65ANTWRP- 76 | Jul65 | ORL | Harvey. |
| $Sn^{120}$ | Γ(n) | 1.7 | 3 | 1.3 | 4 | | | AreaAnalysis | 9 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{120}$ | Γ(n,l=0) | 4.2 | 2 | 4.2 | 2 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{120}$ | Γ(n,l=0) | 3.6 | 2 | 1.7 | 3 | | | AreaAnalysis | 7 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{120}$ | Γ(n,l=0) | 1.7 | 3 | 1.3 | 4 | | | AreaAnalysis | 9 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Sn^{120}$ | Spin of Reson | 4.3 | 2 | 4.3 | 2 | | | | 1 | PR 166 1111 | Feb68 | BNL | Bhat,M.R.+ |
| $Sn^{120}$ | n-Orbit Ang Mom | 4.3 | 2 | 1.7 | 3 | | | | 3 | 65ANTWRP- 76 | Jul65 | ORL | Harvey. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Sn^{120}$ | Strength Funct | 2.1 | 3 | 2.1 | 3 | | | AverageTrans | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{120}$ | Level Spacing | 2.1 | 2 | 2.1 | 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{120}$ | Level Spacing | 2.1 | 3 | 2.1 | 3 | | | | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{120}$ | Level Spacing | 2.4 | 4 | 2.4 | 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Sn^{122}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | ORNL- 828 50 | | ORL | Nelson. |
| $Sn^{122}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 91 1423 | Sep53 | BNL | Hughes,D.J.+ |
| $Sn^{122}$ | Sigma | 3.1 | 6 | 4.0 | 5 | | $I^{127}$ | Activation | 2 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Sn^{122}$ | Sigma | 2.5 | 6 | 4.0 | 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Sn^{122}$ | Sigma | 3.0 | 4 | 3.0 | 4 | | | Moxon-Rae C | 1 | NAT 194 1272 | Jun62 | ORL | Macklin. |
| $Sn^{122}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| $Sn^{122}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NSE 31 545 | Mar68 | USA | Tilbury. |
| $Sn^{122}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| $Sn^{122}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{122}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{122}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | ACR 23 868 | Nov67 | PR | Kay,M.I.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Sn^{122}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Sn^{122}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Sn^{122}$ | Γ(n) | 1.1 | 2 | 6.8 | 3 | | | AreaAnalysis | 5 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{122}$ | Γ(n) | 1.8 | 3 | 6.9 | 3 | | | AreaAnalysis | 3 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{122}$ | Γ(n,l=0) | 1.1 | 2 | 6.8 | 3 | | | AreaAnalysis | 5 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{122}$ | Γ(n,l=0) | 1.8 | 3 | 6.9 | 3 | | | AreaAnalysis | 3 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Sn^{122}$ | Strength Funct | 3.5 | 3 | 3.5 | 3 | | | AverageTrans | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V. |
| $Sn^{122}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Sn^{122}$ | Level Spacing | 2.1 | 2 | 2.1 | 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{122}$ | Level Spacing | 3.5 | 3 | 3.5 | 3 | | | | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{122}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Sn^{122}$ | Level Spacing | 2.4 | 4 | 2.4 | 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Sn^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Sn^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | BNL/C- 9 89 | 49 | ANL | Studier. |
| $Sn^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | ORNL- 828 | 50 | ORL | Nelson. |
| $Sn^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 91 1423 | Sep53 | BNL | Hughes,D.J.+ |
| $Sn^{124}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 194 1272 | Jun62 | ORL | Macklin. |
| $Sn^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| $Sn^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NSE 31 545 | Mar68 | USA | Tilbury. |
| $Sn^{124}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Sn^{124}$ | Sigma | 9.0 3 | 3.4 5 | | | Activation | 8 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Sn^{124}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{124}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | | 1 | KAY 67J | Oct67 | PR | Kay. |
| $Sn^{124}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 23 868 | Nov67 | PR | Kay,M.I.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Sn^{124}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | ZET 46 1483 | Apr64 | CCP | Klyucharev. |
| $Sn^{124}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP A119 517 | Nov68 | RBZ | Lulic. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sn^{124}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | n-WIDTH | | | | | | | | | | |
| $Sn^{124}$ | Γ(n) | 6.2 1 | 6.2 1 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{124}$ | Γ(n) | 6.2 1 | 6.2 1 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{124}$ | Γ(n) | 6.2 1 | 9.7 3 | | | AreaAnalysis | 5 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{124}$ | Γ(n) | 2.4 3 | 1.0 4 | | | AreaAnalysis | 3 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{124}$ | Γ(n,l=0) | 6.2 1 | 6.2 1 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{124}$ | Γ(n,l=0) | 6.2 1 | 9.7 3 | | | AreaAnalysis | 5 | ORNL-3425 36 | Jun63 | ORL | Harvey,J.A.+ |
| $Sn^{124}$ | Γ(n,l=0) | 2.4 3 | 1.0 4 | | | AreaAnalysis | 3 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Sn^{124}$ | Spin of Reson | 6.2 1 | 6.2 1 | | | CaptureGamma | 1 | BAP 10 498 | Apr65 | TOR | Schectman,R.M.+ |
| $Sn^{124}$ | Spin of Reson | 6.2 1 | 6.2 1 | | | | 1 | PR 166 1111 | Feb68 | BNL | Bhat,M.R.+ |
| $Sn^{124}$ | n-Orbit Ang Mom | 6.2 1 | 6.2 1 | | | | 1 | 65ANTWRP- 76 | Jul65 | ORL | Harvey. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Sn^{124}$ | Strength Funct | 1.2 3 | 1.2 3 | | | AverageTrans | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{124}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Sn^{124}$ | Level Spacing | 2.1 2 | 2.1 2 | | | TimeOfFlight | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Sn^{124}$ | Level Spacing | 1.2 3 | 1.2 3 | | | | 1 | YF 3 801 | May66 | CCP | Adamchuk,Yu.V.+ |
| $Sn^{124}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Sn^{124}$ | Level Spacing | 2.4 4 | 2.4 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Sb | Sigma | 2.5 | 4 | 8.3 | 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Sb | Sigma | 2.4 | 4 | 2.4 | 4 | S | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| Sb | Sigma | 1.7 | 5 | 1.0 | 6 | | $U^{235}(n,f)$ | Liquid Scint | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Sb | Sigma | 1.7 | 5 | 1.0 | 6 | N | $U^{235}(n,f)$ | Liquid Scint | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Sb | Sigma | 7.5 | 3 | 1.8 | 5 | | Indium | Liquid Scint | 50 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Sb | Sigma | 2.1 | 2 | 8.4 | 3 | | | TimeOfFlight | 36 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Sb | Sigma | 1.2 | 0 | 3.4 | 4 | | | Slowing-Down | 101 | ZET 42 988 | 62 | LEB | Popov. |
| Sb | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | EANDC- 33 41 | Sep63 | ORL | Schmitt. |
| Sb | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| Sb | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | ANL-7310 88 | Jan68 | ANL | Plumlee. |
| Sb | Sigma | 1.1 | 4 | 7.3 | 4 | | Indium | TimeOfFlight* | 12 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| Sb | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | H(n,n) | γ-Spectromet | 4 | ORO/2791-26 | Aug67 | TNC | |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Sb | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Sb | Sigma | 4.1 | 6 | 4.1 | 6 | | | Diff Sig Int | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Sb | Sigma | 3.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 3 | UPZ 9 929 | 64 | UKR | Korzh. |
| Sb | Sigma | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 25 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Sb | Sigma | 2.0 | 6 | 2.0 | 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Sb | Sigma | 3.2 | 5 | 1.4 | 6 | | Carbon | TimeOfFlight | 51 | NP A 93 609 | Mar67 | ANL | Smith. |
| Sb | Sigma | 8.0 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight* | 1 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Sb | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Sb | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Ring Geomtry | 5 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| Sb | Ang Distrib | 5.0 | 6 | 1.5 | 6 | | | Ring Geomtry | 3 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Sb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 13 | NP 2 124 | Oct56 | GRN | Nauta,H. |
| Sb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 13 | NAUTA 57P | Jun57 | GRN | Nauta. |
| Sb | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | | Ring Geomtry | 7 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| Sb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Biased Scint | 28 | PR 116 1571 | Dec59 | ANL | Rayburn,L.A. |
| Sb | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | H(n,n) | Biased Scint | 15 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Sb | Ang Distrib | 4.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 3 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Sb | Ang Distrib | 3.0 | 5 | 8.0 | 5 | | | Threshold C | 24 | UPZ 9 929 | 64 | UKR | Korzh. |
| Sb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 9 | NP 68 97 | Jun65 | ORL | Stelson. |
| Sb | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Sb | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | σ(Total) | TimeOfFlight | 26 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| Sb | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 19 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Sb | Legendre Fit | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 118 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Sb | Legendre Fit | 3.2 | 5 | 1.4 | 6 | | Carbon | TimeOfFlight | 240 | NP A 93 609 | Mar67 | ANL | Smith. |
| Sb | Legendre Fit | 8.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 12 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Sb | Polarizat n-out | 3.3 | 6 | 3.3 | 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | PEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| Sb | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Sb | Sigma | 4.1 | 6 | 4.1 | 6 | | H(n,n) | Diff Sig Int | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Sb | Sigma | 4.0 | 5 | 1.0 | 6 | | | | 10 | AE 14 400 | 63 | CCP | Glazkov. |
| Sb | Sigma | 4.0 | 5 | 8.0 | 5 | | | | 2 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Sb | Sigma | 4.0 | 5 | 1.2 | 6 | | | $He^3$ Spec | 17 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Sb | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | TimeOfFlight | 22 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Sb | Ang Distrib | 4.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 2 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Sb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 17 | NP 68 97 | Jun65 | ORL | Stelson. |
| Sb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 53 | YP 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Sb | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sb | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Scattering | 1 | PR 83 379 | Jul51 | BNL | Weiss. |
| Sb | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sb | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sb | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Sb | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 131 2098 | Sep63 | LAS | Arnold. |
| Sb | Scatt Amplitude | 4.5 | -4 | 4.5 | -4 | | | Mirror Refl * | 1 | ZN A 26 391 | Mar71 | MUN | Koester,L.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| Sb | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cf^{252}(Nu)$ | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |
| | (n,p) REACTION | | | | | | | | | | | | |
| Sb | σ(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| Sb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 5 | PR 123 1738 | Sep61 | BRN | Peck. |
| | p-EMISSION | | | | | | | | | | | | |
| Sb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 5 | PR 123 1738 | Sep61 | BRN | Peck. |
| | (n,d) REACTION | | | | | | | | | | | | |
| Sb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 5 | PR 123 1738 | Sep61 | BRN | Peck. |
| | MISC FISS QUANT | | | | | | | | | | | | |
| Sb | Neutron/Capture | 1.4 | 7 | 1.4 | 7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| Sb | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Sb | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Sb | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Sb | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| Sb | Sigma | 1.0 | 6 | 1.0 | 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Sb | Sigma | 2.5 | 6 | 4.1 | 6 | | Absolute | Shell Trans | 3 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Sb | Sigma | 1.4 | 7 | 1.4 | 7 | S | Absolute | Activation | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Sb | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| Sb | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Sb | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Sb | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Sb | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| Sb | Sigma | 4.1 | 6 | 4.1 | 6 | | | Total | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Sb | Sigma | 8.0 | 5 | 8.0 | 5 | | | Total | 1 | UPZ 9 929 | 64 | UKR | Korzh. |
| Sb | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 15 | NDL/TR- 86 | Jan67 | TNC | Mathur. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Sb | Sigma | 2.0 4 | 1.4 6 | | Absolute | Accelerator | 31 | PR 76 277 | Jul49 | WIS | Bockelman. |
| Sb | Sigma | 1.0 6 | 3.2 6 | | Absolute | Accelerator | 17 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Sb | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Sb | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Sb | Sigma | 3.5 7 | 1.9 8 | | Carbon | TimeOfFlight | 41 | UCRL- 2337 | Aug53 | BRK | Ragent. |
| Sb | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Sb | Sigma | 5.5 0 | 3.1 1 | | Absolute | TimeOfFlight | 62 | CARTER 55D | Apr55 | BNL | Carter. |
| Sb | Sigma | 2.1 0 | 9.1 3 | | Absolute | TimeOfFlight | 257 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| Sb | Sigma | 7.0 6 | 1.5 7 | S | Absolute | Biased Scint | 4 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Sb | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Sb | Sigma | 4.1 6 | 4.1 6 | | | TimeOfFlight | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Sb | Sigma | 1.8 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Sb | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Sb | Sigma | 2.7 -3 | 9.5 -3 | | Absolute | | 23 | AE 12 514 | Jun62 | RUM | Stavisskii. |
| Sb | Sigma | 5.5 1 | 5.0 3 | | | TimeOfFlight | 7565 | BAP 10 514 | Apr65 | COL | Wynchank,S.A.R.+ |
| Sb | Sigma | 6.5 0 | 6.0 1 | | Absolute | TimeOfFlight | 1760 | BAP 10 514 | Apr65 | COL | Wynchank,S.A.R.+ |
| Sb | Sigma | 5.5 1 | 5.2 3 | P | | TimeOfFlight | 17341 | BAP 10 514 | Apr65 | COL | Wynchank,S.A.R.+ |
| Sb | Sigma | 6.1 0 | 1.4 3 | P | Absolute | TimeOfFlight | 14708 | BAP 10 514 | Apr65 | COL | Wynchank,S.A.R.+ |
| Sb | Sigma | 3.0 4 | 8.0 4 | | | Accelerator | 5 | SETH 65J | Oct65 | DKE | Seth. |
| Sb | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 242 | FOSTER 67E | May67 | BNW | Foster. |
| Sb | Sigma | 4.5 6 | 7.6 6 | | Absolute | Accelerator | 61 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Sb | Sigma | 4.5 6 | 7.5 6 | S | Absolute | Accelerator | 61 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Sb | Sigma | 5.0 -2 | 3.1 0 | | Absolute | Transmission* | 32 | RRP 12 907 | Oct67 | BUC | Mateiciuc,V.+ |
| Sb | Sigma | 1.0 5 | 6.5 5 | | | Accelerator | 97 | AP 46 401 | Feb68 | DKE | Tabony. |
| Sb | Sigma | 2.5 -2 | 2.5 -2 | | | Extrapolatn | 1 | JNE 22 389 | Jun68 | UAR | El-Ela. |
| Sb | Sigma | 2.5 -3 | 2.3 -1 | | Absolute | TimeOfFlight | 113 | JNE 22 389 | Jun68 | UAR | El-Ela. |
| | γ-WIDTH | | | | | | | | | | |
| Sb | Γ(γ) | 1.5 1 | 3.0 2 | | | AreaAnalysis | 15 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | n-WIDTH | | | | | | | | | | |
| Sb | 2gΓ(n) | 6.2 0 | 1.9 2 | | | AreaAnalysis | 18 | 68WASH- 789 | Mar68 | JAE | Asami,A.+ |
| Sb | 2agΓ(n) | 3.8 1 | 2.5 2 | | | AreaAnalysis | 16 | 68WASH- 789 | Mar68 | JAE | Asami,A.+ |
| Sb | 2agΓ(n,l=0) | 1.6 2 | 3.0 3 | | | AreaAnalysis | 275 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | TOTAL WIDTH | | | | | | | | | | |
| Sb | Γ | 1.5 1 | 3.0 2 | | | AreaAnalysis | 15 | PR 166 1234 | Feb68 | COL | Wynchank. |
| Sb | Γ | 6.2 0 | 1.9 2 | | | AreaAnalysis | 14 | 68WASH- 789 | Mar68 | JAE | Asami,A.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Sb | Resonance Energy | 6.2 0 | 2.5 2 | | | AreaAnalysis | 34 | 68WASH- 789 | Mar68 | JAE | Asami,A.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Sb | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Sb | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Sb | Strength Fn(l=0) | 3.4 5 | 3.4 5 | | | AverageTrans | 1 | AP 46 401 | Feb68 | DKE | Tabony. |
| Sb | Strength Fn(l=0) | 5.0 2 | 1.3 6 | | | Holograph | 3 | PR 166 1234 | Feb68 | COL | Wynchank. |
| Sb | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Sb | Strength Fn(l=1) | 3.4 5 | 3.4 5 | | | AverageTrans | 1 | AP 46 401 | Feb68 | DKE | Tabony. |
| Sb | Strength Fn(l=1) | 3.0 4 | 3.0 4 | | | * | 1 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| Sb | Strength Fn(l=2) | 3.4 5 | 3.4 5 | | | AverageTrans | 1 | AP 46 401 | Feb68 | DKE | Tabony. |
| Sb | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Sb | Level Spacing | 6.0 2 | 1.5 3 | | | TimeOfFlight | 2 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Sb | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 4 1154 | Dec66 | PEI | Salnikov,O.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sb^{121}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Sb^{121}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Sb^{121}$ | Sigma | 2.0 4 | 2.0 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Sb^{121}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 12 261 | 59 | MUA | Sehgal. |
| $Sb^{121}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Sb^{121}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 2 | PR 125 1615 | Mar62 | BNL | Der Mateosian,E.+ |
| $Sb^{121}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Sb^{121}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | 64PARIS/II- 703 | Jul64 | HUN | Gulyas. |
| $Sb^{121}$ | Sigma | 7.8 3 | 6.4 4 | | Au(n,γ) | Activation | 3 | EANDC/E- 66 6 | Feb66 | KFK | Poenitz,W.P. |
| $Sb^{121}$ | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Sb^{121}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Sb^{121}$ | Sigma | 1.1 4 | 3.9 5 | | | Activation | 7 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| $Sb^{121}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Sb^{121}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Sb^{121}$ | Spectrum | 6.2 0 | 1.6 1 | | Arb Units | γ-Spectromet | 11 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| | γ,EMISSION | | | | | | | | | | |
| $Sb^{121}$ | Ang Distrib | 1.0 6 | 1.0 6 | | H(n,n) | γ-Spectromet | 2 | ORO/2791-26 | Aug67 | TNC | |
| | (n,2n) REACTION | | | | | | | | | | |
| $Sb^{121}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Sb^{121}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}$(n,2n) | Activation | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Sb^{121}$ | Sigma | 1.4 7 | 1.4 7 | S | Copper | Activation | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Sb^{121}$ | Sigma | 1.4 7 | 1.4 7 | S | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Sb^{121}$ | Sigma | 1.3 7 | 1.5 7 | | Absolute | Activation | 8 | BAP 5 246 | Apr60 | TNC | Morgan,I.L.+ |
| $Sb^{121}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Sb^{121}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Sb^{121}$ | Sigma | 1.2 7 | 1.8 7 | | σ(E*E(th)) | Activation | 8 | BR/TR/62- 1 | Apr62 | RED | Koehler. |
| $Sb^{121}$ | Sigma | 1.2 7 | 1.9 7 | | $Cu^{63}$(n,2n) | Activation | 13 | PR 130 731 | Apr63 | ANL | Rayburn. |
| $Sb^{121}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CR 257 659 | Jul63 | BOR | Carles,C. |
| $Sb^{121}$ | Sigma | 1.3 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 5 | JPJ 24 17 | Jan68 | TIT | Kanda,Y. |
| $Sb^{121}$ | Sigma | 1.3 7 | 1.5 7 | | Metast/Grnd | Activation | 9 | JPJ 24 17 | Jan68 | TIT | Kanda,Y. |
| $Sb^{121}$ | Sigma | 1.3 7 | 1.9 7 | | H(n,n) | Activation * | 30 | NP A115 309 | Jul68 | HAM | Normann,M.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sb^{121}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Sb^{121}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sb^{121}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Sb^{121}$ | Γ(γ) | 6.2 0 | 3.0 1 | | | TimeOfFlight | 3 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Sb^{121}$ | Γ(γ) | 6.2 0 | 3.0 1 | | | AreaAnalysis | 3 | NP 42 676 | 63 | BNL | Bolotin. |
| $Sb^{121}$ | Γ(γ) | 6.2 0 | 3.0 1 | | | * | 3 | RRP 12 907 | Oct67 | BUC | Mateiciuc,V.+ |
| | n-WIDTH | | | | | | | | | | |
| $Sb^{121}$ | Γ(n) | 6.2 0 | 9.0 1 | | | TimeOfFlight | 13 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Sb^{121}$ | Γ(n) | 6.2 0 | 3.0 1 | | | TimeOfFlight | 3 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Sb^{121}$ | 2gΓ(n) | 6.2 0 | 3.0 1 | | | AreaAnalysis | 3 | NP 42 676 | 63 | BNL | Bolotin. |
| $Sb^{121}$ | 2gΓ(n) | 6.2 0 | 3.0 1 | | | * | 3 | RRP 12 907 | Oct67 | BUC | Mateiciuc,V.+ |
| $Sb^{121}$ | Γ(n,l=0) | 6.2 0 | 9.0 1 | | | TimeOfFlight | 13 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Sb^{121}$ | 2agΓ(n,l=0) | 1.5 1 | 1.7 2 | | | AreaAnalysis | 14 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Sb^{121}$ | Γ | 6.2 0 | 9.0 1 | | | TimeOfFlight | 13 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Sb^{121}$ | Γ | 6.2 0 | 3.0 1 | | | TimeOfFlight | 3 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Sb^{121}$ | Γ | 6.2 0 | 3.0 1 | | | * | 3 | RRP 12 907 | Oct67 | BUC | Mateiciuc,V.+ |
| $Sb^{121}$ | $\Gamma^2\sigma(0)$ | 6.2 0 | 9.0 1 | | | TimeOfFlight | 13 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Sb^{121}$ | Resonance Energy | 6.2 0 | 1.7 2 | | | CaptureGamma | 13 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Sb^{121}$ | Resonance Energy | 6.2 0 | 3.0 1 | | | * | 3 | RRP 12 907 | Oct67 | BUC | Mateiciuc,V.+ |
| $Sb^{121}$ | Resonance Energy | 6.2 0 | 1.3 2 | | | * | 8 | PR C 2 1115 | Sep70 | BNL | Bhat,M.R.+ |
| $Sb^{121}$ | σ(0) | 6.2 0 | 9.0 1 | | | TimeOfFlight | 13 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Sb^{121}$ | Spin of Reson | 6.2 0 | 1.5 1 | | | Polar T or B | 2 | PR 155 1330 | Mar67 | NRL | Stolovy,A. |
| $Sb^{121}$ | Spin of Reson | 6.2 0 | 1.3 2 | | | * | 8 | PR C 2 1115 | Sep70 | BNL | Bhat,M.R.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Sb^{121}$ | Level Spacing | 2.4 4 | 2.4 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sb^{123}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 1271 | Dec47 | ANL | Der Mateosian. |
| $Sb^{123}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Sb^{123}$ | Sigma | 2.0 4 | 2.0 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Sb^{123}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Sb^{123}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 2 | NP 37 90 | 62 | MOL | Vanhorenbeeck. |
| $Sb^{123}$ | Sigma | 7.8 3 | 6.4 4 | C | Ratio | Activation | 3 | ARB.BER- 19 | Nov65 | KFK | Poenitz,W.P. |
| $Sb^{123}$ | Sigma | 7.8 3 | 6.4 4 | | Au(n,γ) | Activation | 3 | EANDC/E- 66 6 | Feb66 | KFK | Poenitz,W.P. |
| $Sb^{123}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| $Sb^{123}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Au(n,γ) | Activation | 1 | PLUMLEE 67E | May67 | ANL | Plumlee. |
| $Sb^{123}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | ANL-7310 88 | Jan68 | ANL | Plumlee. |
| $Sb^{123}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Sb^{123}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 3 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Sb^{123}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Sb^{123}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Sb^{123}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| $Sb^{123}$ | Spectrum | 2.2 1 | 2.2 1 | | Arb Units | γ-Spectromet | 6 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| | γ-EMISSION | | | | | | | | | | |
| $Sb^{123}$ | Ang Distrib | 1.0 6 | 1.0 6 | | H(n,n) | γ-Spectromet | 2 | ORO/2791-26 | Aug67 | TNC | |
| | (n,2n) REACTION | | | | | | | | | | |
| $Sb^{123}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Sb^{123}$ | Sigma | 1.4 7 | 1.4 7 | S | Iron | Activation | 1 | NP 13 88 | 59 | MUA | Khurana. |
| $Sb^{123}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Sb^{123}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP 49 510 | Dec63 | IND | Mangal,S.K.+ |
| $Sb^{123}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | 1 | NP 49 510 | Dec63 | MUA | Mangal,S.K.+ |
| $Sb^{123}$ | Sigma | 1.3 7 | 1.9 7 | | H(n,n) | Activation * | 10 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| $Sb^{123}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | BAP 14 495 | Apr69 | GIT | Ranakumar. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sb^{123}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sb^{123}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Sb^{123}$ | Γ(γ) | 2.2 1 | 2.2 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Sb^{123}$ | Γ(γ) | 2.2 1 | 2.2 1 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Sb^{123}$ | Γ(γ) | 2.2 1 | 2.2 1 | | | * | 1 | RRP 12 907 | Oct67 | BUC | Mateiciuc,V.+ |
| | n-WIDTH | | | | | | | | | | |
| $Sb^{123}$ | Γ(n) | 2.2 1 | 1.0 2 | | | TimeOfFlight | 8 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Sb^{123}$ | Γ(n) | 2.2 1 | 2.2 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Sb^{123}$ | 2gΓ(n) | 2.2 1 | 2.2 1 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Sb^{123}$ | 2gΓ(n) | 2.2 1 | 2.2 1 | | | * | 1 | RRP 12 907 | Oct67 | BUC | Mateiciuc,V.+ |
| $Sb^{123}$ | Γ(n,l=0) | 2.2 1 | 1.0 2 | | | TimeOfFlight | 8 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Sb^{123}$ | 2agΓ(n,l=0) | 2.1 1 | 1.9 2 | | | AreaAnalysis | 6 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Sb^{123}$ | Γ | 2.2 1 | 1.0 2 | | | TimeOfFlight | 8 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Sb^{123}$ | Γ | 2.2 1 | 2.2 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Sb^{123}$ | Γ | 2.2 1 | 2.2 1 | | | * | 1 | RRP 12 907 | Oct67 | BUC | Mateiciuc,V.+ |
| $Sb^{123}$ | $\Gamma^2\sigma(0)$ | 2.2 1 | 1.0 2 | | | TimeOfFlight | 8 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Sb^{123}$ | Resonance Energy | 2.2 1 | 1.9 2 | | | CaptureGamma | 6 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Sb^{123}$ | Resonance Energy | 2.2 1 | 2.2 1 | | | * | 1 | RRP 12 907 | Oct67 | BUC | Mateiciuc,V.+ |
| $Sb^{123}$ | Resonance Energy | 2.1 1 | 1.0 2 | | | * | 4 | PR C 2 1115 | Sep70 | BNL | Bhat,M.R.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM (CONTINUED) | | | | | | | | | | | | |
| $Sb^{123}$ | σ(0) | 2.2 | 1 | 1.0 | 2 | | | TimeOfFlight | 8 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Sb^{123}$ | Spin of Reson | 2.1 | 1 | 1.0 | 2 | | | * | 4 | PR C 2 1115 | Sep70 | BNL | Bhat,M.R.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Sb^{123}$ | Level Spacing | 2.4 | 4 | 2.4 | 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Sb^{124}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | AE 2 553 | 57 | CCP | Murin. |
| $Sb^{124}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR/CM- 36 7 | 63 | CR | Eastwood. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Te | Sigma | 2.4 4 | 2.4 4 | | | Shell Trans | 1 | AE 8 549 | 60 | CCP | Belanova. |
| Te | Spectrum | 2.5 -2 | 2.5 -2 | | Ratio | γ-Spectromet | 29 | YF 4 238 | Aug66 | CCP | Groshev,L.V.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Te | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Te | Sigma | 6.5 5 | 6.5 5 | | | Diff Sig Int | 1 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Te | Sigma | 3.0 5 | 3.0 5 | | | Diff Sig Int | 1 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Te | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | AE 16 260 | Mar64 | CCP | Korzh,I.A.+ |
| Te | Sigma | 8.0 5 | 8.0 5 | | | Total | 1 | AE 16 260 | Mar64 | CCP | Korzh,I.A.+ |
| Te | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Te | Sigma | 3.2 5 | 1.4 6 | | Carbon | TimeOfFlight | 53 | NP A 93 609 | Mar67 | ANL | Smith. |
| Te | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Te | Ang Distrib | 2.9 6 | 2.9 6 | | | Ring Geomtry | 8 | UPZ 5 704 | 60 | UKR | Strizhak,V.I.+ |
| Te | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 28 | ZET 41 313 | Aug61 | UKR | Strizhak,V.I.+ |
| Te | Ang Distrib | 6.5 5 | 6.5 5 | | | Threshold C | 8 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Te | Ang Distrib | 3.0 5 | 3.0 5 | | | Threshold C | 8 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Te | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Te | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Te | Legendre Fit | 3.2 5 | 1.4 6 | | Carbon | TimeOfFlight | 259 | NP A 93 609 | Mar67 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | |
| Te | Sigma | 8.0 5 | 8.0 5 | | | Total | 1 | AE 16 260 | Mar64 | UKR | Korzh,I.A.+ |
| Te | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| Te | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 40 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Te | Sigma | 6.0 4 | 1.8 6 | | Carbon | Diff Sig Int | 22 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Te | Ang Distrib | 6.0 4 | 1.8 6 | | Carbon | ModeratrTank | 110 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Te | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | RSI 27 620 | Aug56 | COL | |
| Te | Scatt Amplitude | 4.5 -4 | 4.5 -4 | | | Mirror Refl * | 1 | ZN A 26 391 | Mar71 | MUN | Koester,L.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Te | σ(Compound) | 1.4 7 | 1.4 7 | | Iron | Photo Plate * | 1 | NP 24 274 | Apr61 | HAR | Allan,D.L. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Te | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Te | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Te | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Te | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Te | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Te | Sigma | 1.4 7 | 1.4 7 | S | Absolute | Activation | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Te | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Te | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Te | Sigma | 8.3 -2 | 1.8 4 | | Absolute | TimeOfFlight | 72 | PR 83 660 | Aug51 | COL | Heindl. |
| Te | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Te | Sigma | 9.0 4 | 3.0 6 | | Absolute | Accelerator | 20 | PR 89 1271 | Mar53 | WIS | Walt. |
| Te | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Te | Sigma | 1.4 2 | 2.9 5 | | Absolute | TimeOfFlight | 49 | EGELSTAFF 55F | Jun55 | HAR | Egelstaff. |
| Te | Sigma | 1.1 1 | 4.0 2 | | Absolute | TimeOfFlight | 191 | SIMPSON 56G | Jul56 | MTR | Simpson. |
| Te | Sigma | 3.7 6 | 3.7 6 | | | | 1 | PR 125 331 | Jan62 | BAR | Kent,D.W.+ |
| Te | Sigma | 2.7 -3 | 9.5 -3 | | Absolute | | 19 | AE 12 514 | Jun62 | RUM | Stavisskii. |
| Te | Sigma | 6.1 0 | 5.2 3 | | Absolute | TimeOfFlight | 9422 | BAP 10 514 | Apr65 | COL | Wynchank,S.A.R.+ |
| Te | Sigma | 6.1 0 | 5.2 3 | P | Absolute | TimeOfFlight | 13974 | BAP 10 514 | Apr65 | COL | Wynchank,S.A.R.+ |
| Te | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 248 | FOSTER 67E | May67 | RNW | Foster. |
| Te | Sigma | 1.5 7 | 1.5 7 | | Absolute | Transmission* | 1 | AHP 28 87 A | Mar70 | DEB | Angeli,I.+ |
| Te | Sigma | 2.1 2 | 6.2 3 | | Absolute | TimeOfFlight | 13105 | TELLIER 71L | Dec71 | SAC | Tellier,H. |
| | n-WIDTH | | | | | | | | | | |
| Te | 2gΓ(n) | 3.2 2 | 2.7 3 | | | Shape Analys* | 27 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| Te | 2gΓ(n,l=0) | 3.2 2 | 2.7 3 | | | Shape Analys* | 27 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| Te | 2agΓ(n,l=0) | 2.4 1 | 4.9 3 | | | AreaAnalysis | 169 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Te | Resonance Energy | 3.2 2 | 2.7 3 | | | Shape Analys* | 27 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Te | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| Te | Strength Fn(l=0) | 2.5 3 | 2.5 3 | | | AreaAnalysis | 1 | PR 166 1234 | Feb68 | COL | Wynchank. |
| Te | Strength Fn(l=0) | 7.8 3 | 7.8 3 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| Te | Level Spacing | 5.5 2 | 3.2 3 | | | AreaAnalysis | 2 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Te | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Te^{120}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | BAP 6 70 | 61 | KAP | Slaughter. |
| $Te^{120}$ | Sigma | 2.5 -2 | 2.5 -2 | | AnothA SameZ | Activation | 2 | PR 128 761 | Oct62 | BNL | Sehgal. |
| $Te^{120}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 128 761 | Oct62 | BNL | Sehgal. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Te^{120}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | RSI 27 620 | Aug56 | COL | |
| | (n,2n) REACTION | | | | | | | | | | |
| $Te^{120}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 3 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| $Te^{120}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation | 1 | NP A114 663 | Jul68 | ARK | Husain,L.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Te^{120}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Te^{120}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Te^{122}$ | Sigma | 3.0 4 | 1.3 5 | | $Ta^{181}$ | Liquid Scint | 7 | PR 159 1007 | Jul67 | ORL | Macklin. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Te^{122}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 3 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| $Te^{122}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation | 1 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Te^{122}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Te^{122}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Te^{122}$ | Γ(γ) | 7.2 1 | 3.2 3 | | | Shape Analys* | 19 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | n-WIDTH | | | | | | | | | | |
| $Te^{122}$ | 2gΓ(n) | 7.3 1 | 7.3 1 | | | AreaAnalysis | 1 | BAP 5 18 | 60 | BNL | Bolotin. |
| $Te^{122}$ | 2gΓ(n) | 7.2 1 | 9.8 3 | | | Shape Analys* | 35 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{122}$ | Γ(n,l=0) | 7.3 1 | 7.3 1 | | | AreaAnalysis | 1 | BAP 5 18 | 60 | BNL | Bolotin. |
| $Te^{122}$ | 2gΓ(n,l=0) | 7.2 1 | 9.8 3 | | | Shape Analys* | 35 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Te^{122}$ | Γ | 7.2 1 | 3.2 3 | | | Shape Analys* | 20 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Te^{122}$ | Resonance Energy | 7.2 1 | 7.2 1 | | | CaptureGamma | 1 | WASH-1053 11 | Oct64 | ANL | Cote. |
| $Te^{122}$ | Resonance Energy | 7.2 1 | 1.1 4 | | | Shape Analys* | 42 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{122}$ | Spin of Reson | 7.2 1 | 1.1 4 | | | Shape Analys* | 42 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Te^{122}$ | Strength Fn(l=0) | 1.1 4 | 1.1 4 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{122}$ | Strength Fn(l=0) | 1.1 4 | 1.1 4 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{122}$ | Level Spacing | 7.5 2 | 7.5 2 | | | | 1 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{122}$ | Lvl Spacing(l=0) | 1.1 4 | 1.1 4 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{122}$ | Lvl Spacing(l=0) | 1.1 4 | 1.1 4 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Te^{123}$ | Sigma | 3.0 4 | 1.3 5 | | $Ta^{181}$ | Liquid Scint | 6 | PR 159 1007 | Jul67 | ORL | Macklin. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Te^{123}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | RSI 27 620 | Aug56 | COL | |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Te^{123}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | |
| $Te^{123}$ | Γ(γ) | 2.4 1 | 1.6 2 | | | TimeOfFlight | 4 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{123}$ | Γ(γ) | 2.4 1 | 6.6 2 | | | Shape Analys* | 17 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{123}$ | Γ(γ)σ(0) | 2.4 1 | 1.6 2 | | | AreaAnalysis | 7 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| | n-WIDTH | | | | | | | | | | |
| $Te^{123}$ | Γ(n) | 2.3 0 | 2.3 0 | | | Shape Analys | 1 | PR 94 790 | May54 | BNL | Willard,H.B.+ |
| $Te^{123}$ | Γ(n) | 2.4 1 | 1.6 2 | | | TimeOfFlight | 4 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{123}$ | 2gΓ(n) | 2.4 1 | 1.6 2 | | | AreaAnalysis | 4 | BAP 5 18 | 60 | BNL | Bolotin. |
| $Te^{123}$ | 2gΓ(n) | 9.6 1 | 1.2 2 | | | AreaAnalysis | 3 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{123}$ | 2gΓ(n) | 2.4 1 | 2.0 3 | | | Shape Analys* | 42 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{123}$ | Γ(n,l=0) | 2.4 1 | 1.6 2 | | | TimeOfFlight | 4 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{123}$ | 2gΓ(n,l=0) | 2.4 1 | 1.6 2 | | | AreaAnalysis | 4 | BAP 5 18 | 60 | BNL | Bolotin. |
| $Te^{123}$ | 2gΓ(n,l=0) | 9.6 1 | 1.2 2 | | | TimeOfFlight | 3 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{123}$ | 2gΓ(n,l=0) | 2.4 1 | 3.6 1 | | | AreaAnalysis | 2 | SIMPSON 65A | Jan65 | MTR | Simpson. |
| $Te^{123}$ | 2gΓ(n,l=0) | 2.4 1 | 2.0 3 | | | Shape Analys* | 42 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Te^{123}$ | Γ | 2.3 0 | 2.3 0 | | | Shape Analys | 1 | PR 94 790 | May54 | BNL | Willard,H.B.+ |
| $Te^{123}$ | Γ | 2.4 1 | 1.6 2 | | | TimeOfFlight | 4 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{123}$ | Γ | 2.4 1 | 6.6 2 | | | Shape Analys* | 24 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Te^{123}$ | Resonance Energy | 1.2 2 | 3.7 2 | | | CaptureGamma | 2 | WASH-1053 11 | Oct64 | ANL | Cote. |
| $Te^{123}$ | Resonance Energy | 2.4 1 | 2.0 3 | | | Shape Analys* | 42 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{123}$ | σ(0) | 2.3 0 | 2.3 0 | | | Shape Analys | 1 | PR 94 790 | May54 | BNL | Willard,H.B.+ |
| $Te^{123}$ | Spin of Reson | 2.3 0 | 2.3 0 | | | Shape Analys | 1 | PR 94 790 | May54 | BNL | Willard,H.B.+ |
| $Te^{123}$ | Spin of Reson | 2.4 1 | 1.6 2 | | | TimeOfFlight | 4 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{123}$ | Spin of Reson | 2.3 0 | 1.6 2 | | | CaptureGamma | 6 | WASH-1053 11 | Oct64 | ANL | Cote. |
| $Te^{123}$ | Spin of Reson | 2.4 1 | 6.6 2 | | | Shape Analys* | 18 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Te^{123}$ | Strength Funct | 1.5 3 | 1.5 3 | | | | 1 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{123}$ | Strength Fn(l=0) | 6.6 2 | 6.6 2 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{123}$ | Strength Fn(l=0) | 6.6 2 | 6.6 2 | | Absolute | Shape Analys* | 3 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{123}$ | Level Spacing | 7.5 2 | 7.5 2 | | | | 1 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{123}$ | Lvl Spacing(l=0) | 6.6 2 | 6.6 2 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{123}$ | Lvl Spacing(l=0) | 6.6 2 | 6.6 2 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Te^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 76 333 | Aug49 | UI | Hill. |
| $Te^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ZET 36 632 | Feb59 | FTI | Gvozdev. |
| $Te^{124}$ | Sigma | 1.0 3 | 6.1 4 | | | Slowing-Down | 17 | 65ANTWERP-182 | Jul65 | LEB | Bergman,A.A.+ |
| $Te^{124}$ | Sigma | 3.0 4 | 1.3 5 | | $Ta^{181}$ | Liquid Scint | 6 | PR 159 1007 | Jul67 | ORL | Macklin. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MISC SCATT QUANT | | | | | | | | | | |
| $Te^{124}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ARN 11 303 | 61 | ORL | Wilkinson. |
| $Te^{124}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ARN 11 303 | 61 | ORL | Wilkinson. |
| | (n,p) REACTION | | | | | | | | | | |
| $Te^{124}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 4 | NP 45 579 | Jul63 | POL | Brzosko,J.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Te^{124}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | 1 | NP 41 192 | Mar63 | SAH | Majumdar,N.K.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Te^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Te^{124}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Te^{124}$ | Γ(γ) | 3.5 2 | 3.8 3 | | | Shape Analys* | 23 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | n-WIDTH | | | | | | | | | | |
| $Te^{124}$ | 2gΓ(n) | 3.5 2 | 2.8 4 | | | Shape Analys* | 84 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{124}$ | 2gΓ(n,l=0) | 3.5 2 | 2.8 4 | | | Shape Analys* | 84 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Te^{124}$ | Γ | 3.5 2 | 3.8 3 | | | Shape Analys* | 23 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Te^{124}$ | Resonance Energy | 3.5 2 | 2.8 4 | | | Shape Analys* | 84 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{124}$ | Spin of Reson | 3.5 2 | 2.8 4 | | | Shape Analys* | 84 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Te^{124}$ | Strength Fn(l=0) | 2.8 4 | 2.8 4 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{124}$ | Strength Fn(l=0) | 2.8 4 | 2.8 4 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{124}$ | Level Spacing | 7.5 2 | 7.5 2 | | | | 1 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{124}$ | Lvl Spacing(l=0) | 2.8 4 | 2.8 4 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{124}$ | Lvl Spacing(l=0) | 2.8 4 | 2.8 4 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Te^{125}$ | Sigma | 1.0 3 | 6.1 4 | | | Slowing-Down | 17 | 65ANTWRP-182 | Jul65 | LEB | Bergman,A.A.+ |
| $Te^{125}$ | Sigma | 3.0 4 | 1.3 5 | | $Ta^{181}$ | Liquid Scint | 6 | PR 159 1007 | Jul67 | ORL | Macklin. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Te^{125}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ARN 11 303 | 61 | ORL | Wilkinson. |
| $Te^{125}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ARN 11 303 | 61 | ORL | Wilkinson. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Te^{125}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Te^{125}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Te^{125}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Te^{125}$ | Γ(γ) | 2.6 1 | 2.9 2 | | | TimeOfFlight | 8 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{125}$ | Γ(γ) | 1.3 2 | 3.8 3 | | | Shape Analys* | 36 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{125}$ | Γ(γ)σ(0) | 2.6 1 | 4.2 2 | | | AreaAnalysis | 8 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| | n-WIDTH | | | | | | | | | | |
| $Te^{125}$ | Γ(n) | 2.6 1 | 2.9 2 | | | TimeOfFlight | 8 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{125}$ | 2gΓ(n) | 2.6 1 | 2.9 2 | | | AreaAnalysis | 5 | BAP 5 18 | 60 | BNL | Bolotin. |
| $Te^{125}$ | 2gΓ(n) | 9.0 1 | 7.7 3 | | | Shape Analys* | 114 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{125}$ | Γ(n,l=0) | 1.3 2 | 2.9 2 | | | TimeOfFlight | 4 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{125}$ | 2gΓ(n,l=0) | 2.6 1 | 2.9 2 | | | AreaAnalysis | 5 | BAP 5 18 | 60 | BNL | Bolotin. |
| $Te^{125}$ | 2gΓ(n,l=0) | 2.9 1 | 2.9 1 | | σ(E≠E(th)) | TimeOfFlight | 1 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{125}$ | 2gΓ(n,l=0) | 9.0 1 | 7.7 3 | | | Shape Analys* | 114 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Te^{125}$ | Γ | 2.6 1 | 2.9 2 | | | TimeOfFlight | 8 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{125}$ | Γ | 1.1 2 | 4.1 3 | | | Shape Analys* | 76 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Te^{125}$ | Resonance Energy | 9.0 1 | 4.2 2 | | | CaptureGamma | 6 | WASH-1053 11 | Oct64 | ANL | Cote. |
| $Te^{125}$ | Resonance Energy | 9.0 1 | 7.7 3 | | | Shape Analys* | 114 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{125}$ | Spin of Reson | 1.3 2 | 2.9 2 | | | TimeOfFlight | 4 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{125}$ | Spin of Reson | 2.6 1 | 2.9 2 | | | CaptureGamma | 4 | WASH-1053 11 | Oct64 | ANL | Cote. |
| $Te^{125}$ | Spin of Reson | 1.3 2 | 3.8 3 | | | Shape Analys* | 36 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Te^{125}$ | Strength Funct | 1.5 3 | 1.5 3 | | | | 1 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{125}$ | Strength Fn(l=0) | 7.8 3 | 7.8 3 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{125}$ | Strength Fn(l=0) | 7.8 3 | 7.8 3 | | Absolute | Shape Analys* | 3 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{125}$ | Level Spacing | 7.5 2 | 7.5 2 | | | | 1 | AE 14 264 | Mar63 | KUR | Danelian,L.S.+ |
| $Te^{125}$ | Lvl Spacing(l=0) | 7.8 3 | 7.8 3 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{125}$ | Lvl Spacing(l=0) | 7.8 3 | 7.8 3 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Te^{126}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Te^{126}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Te^{126}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NP 66 267 | May65 | MUA | Chaubey,A.K.+ |
| $Te^{126}$ | Sigma | 1.0 3 | 6.1 4 | | | Slowing-Down | 17 | 65ANTWRP-182 | Jul65 | LEB | Bergman,A.A.+ |
| $Te^{126}$ | Sigma | 3.0 4 | 1.3 5 | | $Ta^{181}$ | Liquid Scint | 6 | PR 159 1007 | Jul67 | ORL | Macklin. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Te^{126}$ | Sigma | 4.4 | 6 | 4.4 | 6 | | | CrystalScint | 2 | PR 102 461 | Apr55 | WES | Sinclair,R.M. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Te^{126}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Te^{126}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activaticn | 1 | NP 41 192 | Mar63 | SAH | Majumdar,N.K.+ |
| $Te^{126}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Te^{126}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Te^{126}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Te^{126}$ | Γ(γ) | 2.0 | 2 | 3.8 | 3 | | | Shape Analys* | 15 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Te^{126}$ | Γ(n) | 2.0 | 2 | 2.0 | 2 | | | AreaAnalysis | 1 | BAP 5 18 | 60 | BNL | Bolotin. |
| $Te^{126}$ | 2gΓ(n) | 2.0 | 2 | 1.7 | 4 | | | Shape Analys* | 46 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{126}$ | Γ(n,l=0) | 2.0 | 2 | 2.0 | 2 | | | AreaAnalysis | 1 | BAP 5 18 | 60 | BNL | Bolotin. |
| $Te^{126}$ | 2gΓ(n,l=0) | 2.0 | 2 | 1.7 | 4 | | | Shape Analys* | 46 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Te^{126}$ | Γ | 2.0 | 2 | 3.8 | 3 | | | Shape Analys* | 15 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Te^{126}$ | Resonance Energy | 2.0 | 2 | 2.0 | 2 | | | CaptureGamma | 1 | WASH-1053 11 | Oct64 | ANL | Cote. |
| $Te^{126}$ | Resonance Energy | 2.0 | 2 | 1.8 | 4 | | | Shape Analys* | 65 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{126}$ | Spin of Reson | 2.0 | 2 | 1.8 | 4 | | | Shape Analys* | 65 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Te^{126}$ | Strength Fn(l=0) | 1.8 | 4 | 1.8 | 4 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{126}$ | Strength Fn(l=0) | 1.8 | 4 | 1.8 | 4 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{126}$ | Lvl Spacing(l=0) | 1.8 | 4 | 1.8 | 4 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{126}$ | Lvl Spacing(l=0) | 1.8 | 4 | 1.8 | 4 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Te^{128}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Te^{128}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | NP 60 241 | 64 | ANL | Bishop. |
| $Te^{128}$ | Sigma | 1.0 | 3 | 6.1 | 4 | | | Slowing-Down | 17 | 65ANTWRP-182 | Jul65 | LEB | Bergman,A.A.+ |
| $Te^{128}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Te^{128}$ | Sigma | 3.0 | 4 | 1.3 | 5 | | $Ta^{181}$ | Liquid Scint | 6 | PR 159 1007 | Jul67 | ORL | Macklin. |
| $Te^{128}$ | Sigma | 1.1 | 4 | 3.4 | 5 | | | Activation | 8 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Te^{128}$ | Sigma | 4.4 | 6 | 4.4 | 6 | | | CrystalScint | 1 | PR 102 461 | Apr56 | WES | Sinclair,R.M. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Te^{128}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Te^{128}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | 1 | NP 41 192 | Mar63 | SAH | Majumdar,N.K.+ |
| $Te^{128}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation * | 1 | NP 51 337 | Feb64 | TUR | Bonazzola,G.C.+ |
| $Te^{128}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 3 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| $Te^{128}$ | Sigma | 1.3 | 7 | 1.8 | 7 | | Absolute | Activation * | 20 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Te^{128}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 3 | NP 45 579 | Jul63 | POL | Brzosko,J.+ |
| $Te^{128}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 3 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| $Te^{128}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Ratio | Activation | 1 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| | (n,np) REACTION | | | | | | | | | | | | |
| $Te^{128}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 74 632 | 59 | ALD | Barry,J.P.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Te^{128}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | 1 | NP 41 192 | Mar63 | SAH | Majumdar,N.K.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Te^{128}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Te^{128}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Te^{128}$ | Γ(γ) | 3.5 | 2 | 4.1 | 3 | | | Shape Analys* | 12 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Te^{128}$ | 2gΓ(n) | 3.5 | 2 | 2.2 | 4 | | | Shape Analys* | 38 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{128}$ | 2gΓ(n,l=0) | 3.5 | 2 | 2.2 | 4 | | | Shape Analys* | 38 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Te^{128}$ | Γ | 3.5 | 2 | 4.1 | 3 | | | Shape Analys* | 12 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Te^{128}$ | Resonance Energy | 2.0 | 2 | 1.0 | 4 | | | | 8 | WASH-1044 20 | Aug63 | ANL | Singh. |
| $Te^{128}$ | Resonance Energy | 4.4 | 2 | 4.4 | 2 | | | CaptureGamma | 1 | WASH-1053 11 | Oct64 | ANL | Cote. |
| $Te^{128}$ | Resonance Energy | 3.5 | 2 | 2.2 | 4 | | | Shape Analys* | 38 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{128}$ | Spin of Reson | 3.5 | 2 | 2.2 | 4 | | | Shape Analys* | 38 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Te^{128}$ | Strength Fn(l=0) | 2.2 | 4 | 2.2 | 4 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{128}$ | Strength Fn(l=0) | 2.2 | 4 | 2.2 | 4 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{128}$ | Lvl Spacing(l=0) | 2.2 | 4 | 2.2 | 4 | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{128}$ | Lvl Spacing(l=0) | 2.2 | 4 | 2.2 | 4 | | Absolute | Shape Analys* | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | |
| $Te^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | | 2 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Te^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Te^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | | 2 | PR 128 761 | Oct62 | BNL | Sehgal. |
| $Te^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | | 1 | PR 128 761 | Oct62 | BNL | Sehgal. |
| $Te^{130}$ | Sigma | 1.0 3 | 6.1 4 | | | Slowing-Down | | 17 | 65ANTWRP-182 | Jul65 | LEB | Bergman,A.A.+ |
| $Te^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | | 1 | JIN 28 1 | Jan66 | TRM | Namboodiri,M.+ |
| $Te^{130}$ | Sigma | 3.0 4 | 1.3 5 | | $Ta^{181}$ | Liquid Scint | | 5 | PR 159 1007 | Jul67 | ORL | Macklin. |
| $Te^{130}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | * | 2 | NP A117 545 A | Sep68 | MUA | Chaubey,A.K.+ |
| $Te^{130}$ | Sigma | 1.1 4 | 3.4 5 | | | Activation | | 8 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| $Te^{130}$ | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation | * | 1 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| $Te^{130}$ | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Activation | | 1 | CJP 46 2473 | Nov68 | ARG | Ricabarra. |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Te^{130}$ | Sigma | 4.4 6 | 4.4 6 | | | CrystalScint | | 1 | PR 102 461 | Apr56 | WES | Sinclair,R.M. |
| | MISC SCATT QUANT | | | | | | | | | | | |
| $Te^{130}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Mirror Refl | | 1 | RSI 27 620 | Aug56 | COL | |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Te^{130}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Te^{130}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | | 1 | NP 41 192 | Mar63 | SAH | Majumdar,N.K.+ |
| $Te^{130}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | | 1 | NP 41 192 | Mar63 | SAH | Majumdar,N.K.+ |
| $Te^{130}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | * | 1 | NP 51 337 | Feb64 | TUR | Bonazzola,G.C.+ |
| $Te^{130}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | | 2 | NP 74 438 | Dec65 | POL | Brzosko,J.+ |
| $Te^{130}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | | 3 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| $Te^{130}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation | | 1 | NP A114 663 | Jul68 | ARK | Husain,L.+ |
| $Te^{130}$ | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation | * | 20 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| $Te^{130}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | | 3 | NP 45 579 | Jul63 | POL | Brzosko,J.+ |
| | (n,np) REACTION | | | | | | | | | | | |
| $Te^{130}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PPS 74 632 | 59 | ALD | Barry,J.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Te^{130}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Te^{130}$ | Sigma | 1.5 7 | 1.5 7 | | AnothA SameZ | Activation | | 1 | NP 41 192 | Mar63 | SAH | Majumdar,N.K.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Te^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Te^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| $Te^{130}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| | γ-WIDTH | | | | | | | | | | | |
| $Te^{130}$ | Γ(γ) | 1.1 3 | 5.6 3 | | | Shape Analys* | | 6 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | n-WIDTH | | | | | | | | | | | |
| $Te^{130}$ | Γ(n) | 1.5 3 | 1.2 5 | | | TimeOfFlight | | 21 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Te^{130}$ | 2gΓ(n) | 1.1 3 | 3.0 4 | | | Shape Analys* | | 22 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{130}$ | Γ(n,l=0) | 1.5 3 | 1.2 5 | | | TimeOfFlight | | 21 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Te^{130}$ | 2gΓ(n,l=0) | 1.1 3 | 3.0 4 | | | Shape Analys* | | 22 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Te^{130}$ | Γ | 1.1 3 | 5.6 3 | | | Shape Analys* | | 6 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Te^{130}$ | Resonance Energy | 1.1 3 | 3.0 4 | | | Shape Analys* | | 22 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{130}$ | Spin of Reson | 1.1 3 | 3.0 4 | | | Shape Analys* | | 22 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Te^{130}$ | Strength Fn(l=0) | 6.0 4 | 6.0 4 | | | TimeOfFlight | | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Te^{130}$ | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{130}$ | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | Absolute | Shape Analys* | | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| $Te^{130}$ | Level Spacing | 6.0 4 | 6.0 4 | | | TimeOfFlight | | 1 | AP 14 346 | 61 | DKE | Newson. |
| $Te^{130}$ | Lvl Spacing(l=0) | 3.0 4 | 3.0 4 | | | | | 1 | CR 269 266 | Aug69 | SAC | Tellier,H. |
| $Te^{130}$ | Lvl Spacing(l=0) | 3.0 4 | 3.0 4 | | Absolute | Shape Analys* | | 1 | TELLIER 71I | Sep71 | SAC | Tellier,H.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | |
| $Te^{131}$ | Spin cut-off Par | 2.4 4 | 2.4 4 | | | | * | 1 | NP A117 545 | Sep68 | MUA | Chaubey,A.K.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| I125 | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | ACRH- 15 92 | 61 | ANL | Harper. |
| I125 | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | JIN 26 1625 | Oct64 | ISP | Bresesti,M.+ |
| I125 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | JIN 27 1727 | 65 | USA | Narang. |
| I125 | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | JIN 26 1625 | Oct64 | ISP | Bresesti,M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| I125 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | JIN 26 1625 | Oct64 | ISP | Bresesti,M.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| I127 | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Activation | 1 | MC- 70 | 44 | MON | Grummott. |
| I127 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| I127 | Sigma | 2.5 -2 | 2.5 -2 | | $Na^{23}$ | Activation * | 1 | PR 86 937 | Jun52 | KJL | Grimeland,B. |
| I127 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation * | 1 | PR 86 937 | Jun52 | KJL | Grimeland,B. |
| I127 | Sigma | 2.4 4 | 2.4 4 | | Absolute | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| I127 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| I127 | Sigma | 2.2 5 | 8.3 5 | | | Shell Trans | 2 | ZET 34 574 | Mar58 | CCP | Belanova. |
| I127 | Sigma | 2.5 4 | 2.5 4 | S | Alna+Cu(n2n) | Shell Trans | 1 | ZET 34 574 | Mar58 | CCP | Belanova. |
| I127 | Sigma | 2.7 6 | 4.0 6 | | $U^{238}$(n,f) | Activation | 2 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| I127 | Sigma | 1.9 4 | 6.6 5 | | $U^{235}$(n,f) | Activation | 31 | PR 113 256 | Jan59 | LAS | Bame. |
| I127 | Sigma | 1.9 4 | 6.6 5 | N | $U^{235}$(n,f) | Activation | 31 | PR 113 256 | Jan59 | LAS | Bame. |
| I127 | Sigma | 2.5 4 | 5.1 5 | | | CrystalScint | 9 | PR 114 201 | Apr59 | RIC | Gabbard,F.+ |
| I127 | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| I127 | Sigma | 1.5 5 | 5.5 6 | | $U^{235}$(n,f) | Activation | 28 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| I127 | Sigma | 1.5 5 | 5.5 6 | N | $U^{235}$(n,f) | Activation | 28 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| I127 | Sigma | 2.4 4 | 2.4 4 | | | Shell Trans | 1 | AE 8 549 | 60 | CCP | Belanova. |
| I127 | Sigma | 5.0 3 | 1.5 5 | | σ(E≠E(th)) | Activation | 14 | AP 10 477 | 60 | DKE | Weston. |
| I127 | Sigma | 2.4 4 | 2.4 4 | S | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| I127 | Sigma | 4.0 5 | 4.0 5 | | $U^{235}$(n,f) | Scint Tank | 1 | PR 120 556 | Oct60 | LAS | Diven. |
| I127 | Sigma | 1.9 4 | 2.5 6 | | $U^{235}$(n,f) | Activation | 55 | AE 10 158 | 61 | CCP | Stavisskii. |
| I127 | Sigma | 1.9 4 | 2.5 6 | N | $U^{235}$(n,f) | Activation | 56 | AE 10 158 | 61 | CCP | Stavisskii. |
| I127 | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| I127 | Sigma | 9.5 3 | 1.7 5 | | Indium | Scint Tank | 47 | PR 122 182 | Apr61 | ORL | Gibbons. |
| I127 | Sigma | 2.0 2 | 8.6 3 | | σ(E≠E(th)) | TimeOfFlight | 39 | 61SACLAY-203 | Jul61 | ORL | Block. |
| I127 | Sigma | 1.4 1 | 5.0 4 | | | Slowing-Down | 73 | ZET 42 988 | 62 | LEB | Popov. |
| I127 | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | EANDC- 33 41 | Sep63 | ORL | Schmitt. |
| I127 | Sigma | 1.8 5 | 1.7 6 | | $U^{235}$(n,f) | Activation | 30 | PR 133B 378 | Jan64 | ANL | Cox,S.A. |
| I127 | Sigma | 1.8 5 | 9.8 5 | N | $U^{235}$(n,f) | Activation | 17 | PR 133B 378 | Jan64 | ANL | Cox,S.A. |
| I127 | Sigma | 2.5 -2 | 3.0 4 | | $Pu^{239}$ | Activation | 2 | AE 19 292 | Sep65 | CCP | Stavisskii,Yu.Ya.+ |
| I127 | Sigma | 1.0 5 | 1.0 5 | | $Pu^{239}$ | Shell Trans | 1 | AE 19 292 | Sep65 | CCP | Stavisskii,Yu.Ya.+ |
| I127 | Sigma | 2.5 -2 | 2.4 4 | | | Activation | 2 | NP 71 417 | Sep65 | NPL | Robertson,J.C. |
| I127 | Sigma | 1.3 5 | 1.8 5 | | $Ta^{181}$ | Liquid Scint | 3 | PR 159 1007 | Jul67 | ORL | Macklin. |
| I127 | Sigma | 3.0 6 | 3.0 6 | | $P^{31}$(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| I127 | Sigma | 1.4 7 | 1.4 7 | | Absolute | * | 1 | NP A111 360 | Apr68 | UEN | Dinter,H. |
| I127 | Sigma | 2.9 6 | 2.9 6 | | Indium | Activation * | 1 | OSA 105 236 | Jun68 | IRK | Colditz,J.+ |
| I127 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 30 2557 | Oct68 | PAK | Qaim. |
| I127 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 30 2577 | Oct68 | PAK | Qaim. |
| I127 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| I127 | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Activation | 1 | CJP 46 2473 | Nov68 | ARG | Ricabarra. |
| I127 | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | AKE 15 83 | Feb70 | GPK | Breitenhuber,L.+ |
| I127 | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| I127 | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | γ-Spectromet | 13 | IPA/RN- 20 | Mar65 | BUC | Cristu,M.I.+ |
| I127 | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 13 | IPA/RN- 20 | Mar65 | BUC | Cristu,M.I.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| I127 | Sigma | 4.0 6 | 4.0 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| I127 | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 23 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| I127 | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWERP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| I127 | Ang Distrib | 4.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 3 | PR 129 1649 | Feb63 | LAS | Thomson. |
| I127 | Ang Distrib | 4.0 6 | 4.0 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| I127 | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 107 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | |
| I127 | Sigma | 4.0 5 | 1.0 6 | | | $He^3$ Spec | 18 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| I127 | Ang Distrib | 4.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 2 | PR 129 1649 | Feb63 | LAS | Thomson. |
| I127 | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 50 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| I127 | Sigma | 1.4 5 | 1.2 6 | | | 4Pi*σ(90°) | 85 | PR 101 103 | Jan56 | WIS | Van Loef. |
| I127 | Sigma | 1.2 5 | 1.2 6 | | | CrystalScint | 27 | PR 101 1516 | Mar56 | MIT | Guernsey. |
| I127 | Sigma | 3.2 5 | 1.6 6 | | | CrystalScint | 125 | AP 12 485 | 61 | LAS | Lind. |
| | MISC SCATT QUANT | | | | | | | | | | |
| I127 | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| I127 | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| I127 | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| I127 | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| I127 | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| I127 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| I127 | Sigma | 9.5 6 | 1.8 7 | | | CrystalScint | 7 | PR 89 1302 | Mar53 | LAS | Martin. |
| I127 | Sigma | 1.3 7 | 1.8 7 | | Al(n,alpha) | Activation * | 5 | ZP 166 477 | Feb62 | HAM | Bormann,M.+ |
| I127 | Sigma | 2.0 7 | 2.0 7 | | | CrystalScint | 1 | JIN 27 1727 | 65 | MIT | Narang. |
| I127 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 30 2557 | Oct68 | PAK | Qaim. |
| I127 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 30 2577 | Oct68 | PAK | Qaim. |
| I127 | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| I127 | Sigma | 1.5 7 | 1.5 7 | | H(n,n) | Activation * | 1 | NP A138 387 | Dec69 | LRL | Barrall. |
| I127 | Sigma | 1.0 6 | 1.0 6 | | $Ni^{58}$(n,p) | Activation * | 1 | RCA 13 169 | Jun70 | KJL | Steinnes,E. |
| | (n,3n) REACTION | | | | | | | | | | |
| I127 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 30 2557 | Oct68 | PAK | Qaim. |
| I127 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 30 2577 | Oct68 | PAK | Qaim. |
| I127 | Sigma | 2.0 7 | 2.0 7 | | Copper | Activation * | 1 | NP A118 379 | Oct68 | GEL | Liskien,H. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION | | | | | | | | | | | | | |
| $I^{127}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | | 53 | CR | Paul. |
| $I^{127}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | | 59 | ALD | Coleman,R.F.+ |
| $I^{127}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $I^{127}$ | Activation * | 1 | ZN A 15 200 | | Mar60 | HAM | Bormann,M.+ |
| $I^{127}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $I^{127}$ | CrystalScint* | 1 | ZN A 15 200 | | Mar60 | HAM | Bormann,M.+ |
| $I^{127}$ | Sigma | 1.4 | 7 | 2.2 | 7 | | | Activation | 2 | EANDC/E- 57 | 1 | Feb65 | FRK | Bass,R.+ |
| $I^{127}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | JIN 30 2557 | | Oct68 | PAK | Qaim. |
| $I^{127}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 2 | JIN 30 2577 | | Oct68 | PAK | Qaim. |
| $I^{127}$ | $\sigma$(Compound) | 1.4 | 7 | 1.4 | 7 | | Iron | Photo Plate * | 1 | NP 24 274 | | Apr61 | HAR | Allan,D.L. |
| | (n,np) REACTION | | | | | | | | | | | | | |
| $I^{127}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $I^{127}$ | CrystalScint* | 1 | ZN A 15 200 | | Mar60 | HAM | Bormann,M.+ |
| | p-EMISSION | | | | | | | | | | | | | |
| $I^{127}$ | Spectrum | 1.4 | 7 | 1.4 | 7 | | Arb Units | CrystalScint | 48 | NC 20 903 | | Jun61 | CIS | Marcazzan,G.M.+ |
| | (n,d) REACTION | | | | | | | | | | | | | |
| $I^{127}$ | Sigma | 1.4 | 7 | 2.2 | 7 | | | Activation | 2 | EANDC/E- 57 | 1 | Feb65 | FRK | Bass,R.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $I^{127}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | | 53 | CR | Paul. |
| $I^{127}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | H(n,n) | CrystalScint | 1 | NC 20 903 | | Jun61 | CIS | Marcazzan,G.M.+ |
| $I^{127}$ | Sigma | 1.2 | 7 | 2.2 | 7 | | | CrystalScint* | 6 | ZN A 17 479 | | Mar62 | HAM | Bormann,M. |
| $I^{127}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | NP 36 38 | | Jul62 | ITY | Bizzeti,P.G.+ |
| $I^{127}$ | Sigma | 1.4 | 7 | 2.2 | 7 | | | Activation | 2 | EANDC/E- 57 | 1 | Feb65 | FRK | Bass,R.+ |
| $I^{127}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | JIN 30 2557 | | Oct68 | PAK | Qaim. |
| $I^{127}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 2 | JIN 30 2577 | | Oct68 | PAK | Qaim. |
| $I^{127}$ | Spectrum | 1.4 | 7 | 1.4 | 7 | | H(n,n) | CrystalScint | 33 | NC 20 903 | | Jun61 | CIS | Marcazzan,G.M.+ |
| | (n,n alpha) REACT | | | | | | | | | | | | | |
| $I^{127}$ | Sigma | 1.4 | 7 | 2.2 | 7 | | | CrystalScint* | 5 | ZN A 17 479 | | Mar62 | HAM | Bormann,M. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $I^{127}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Pile Oscilat | 1 | PR 83 641 | | Aug51 | ORL | Pomerance,H. |
| $I^{127}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | NKA 8 437 | | 63 | POL | Jozefowicz. |
| $I^{127}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Mn^{55}$ | Activation | 1 | NKA 8 437 | | 63 | POL | Jozefowicz. |
| $I^{127}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Na^{23}$ | Activation | 1 | NKA 8 437 | | 63 | POL | Jozefowicz. |
| $I^{127}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | 1 | AE 3 507 | | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | | | | |
| $I^{127}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | AE 1 155 | | 56 | CCP | Flerov. |
| $I^{127}$ | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | | Nov56 | UKR | Strizhak. |
| $I^{127}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | AE 2 68 | | 57 | UKR | Strizhak,V.I. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $I^{127}$ | Sigma | 2.4 | 4 | 1.4 | 6 | | Absolute | Accelerator | 31 | PR 76 277 | | Jul49 | WIS | Bockelman. |
| $I^{127}$ | Sigma | 1.0 | 6 | 3.2 | 6 | | Absolute | Accelerator | 14 | PR 88 83 | | Oct52 | WIS | Miller,D.W.+ |
| $I^{127}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | | Nov52 | LAS | Coon. |
| $I^{127}$ | Sigma | 2.8 | 7 | 2.8 | 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | | Oct61 | LVN | Deconninck,G.+ |
| $I^{127}$ | Sigma | 2.9 | 2 | 1.9 | 3 | | Absolute | TimeOfFlight | 4034 | PR 137B 547 | | Feb65 | COL | Garg,J.B.+ |
| $I^{127}$ | Sigma | 8.2 | 1 | 4.1 | 3 | P | Absolute | TimeOfFlight | 12001 | PR 137B 547 | | Feb65 | COL | Garg,J.B.+ |
| $I^{127}$ | Sigma | 3.3 | 6 | 5.2 | 6 | | Absolute | Transmission | 36 | NP 65 419 | | Mar65 | JNE | Manero. |
| $I^{127}$ | Sigma | 3.0 | 4 | 8.0 | 4 | | | Accelerator | 5 | SETH 65J | | Oct65 | DKE | Seth. |
| $I^{127}$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | | May67 | BNW | Foster. |
| $I^{127}$ | Sigma | 1.0 | 5 | 6.5 | 5 | | | Accelerator | 97 | AP 46 401 | | Feb68 | DKE | Tabony. |
| $I^{127}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Transmission* | 1 | AHP 28 87 | A | Mar70 | DEB | Angeli,I.+ |
| | n-WIDTH | | | | | | | | | | | | | |
| $I^{127}$ | $\Gamma$(n) | 2.0 | 1 | 9.2 | 1 | | Absolute | AreaAnalysis | 7 | AE 1 55 | 5 | 56 | CCP | Radkevich,I.A.+ |
| $I^{127}$ | $2g\Gamma$(n) | 2.0 | 1 | 9.1 | 1 | | | AreaAnalysis | 7 | PR 95 476 | | Jul54 | BNL | Seidl. |
| $I^{127}$ | $2g\Gamma$(n) | 2.0 | 1 | 2.0 | 2 | | | AreaAnalysis | 10 | ORNL-2501 26 | | Mar58 | ORL | |
| $I^{127}$ | $\Gamma$(n,l=0) | 2.0 | 1 | 9.2 | 1 | | Absolute | AreaAnalysis | 7 | AE 1 55 | 5 | 56 | CCP | Radkevich,I.A.+ |
| $I^{127}$ | $2g\Gamma$(n,l=0) | 2.0 | 1 | 9.1 | 1 | | | AreaAnalysis | 7 | PR 95 476 | | Jul54 | BNL | Seidl. |
| $I^{127}$ | $2g\Gamma$(n,l=0) | 2.0 | 1 | 2.0 | 2 | | | AreaAnalysis | 10 | ORNL-2501 26 | | Mar58 | ORL | |
| $I^{127}$ | $2g\Gamma$(n,l=0) | 2.0 | 1 | 1.7 | 2 | | | AreaAnalysis | 9 | NSE 17 371 | | 63 | ORL | Pattenden. |
| $I^{127}$ | $2g\Gamma$(n,l$\neq$0) | 1.5 | 2 | 4.0 | 3 | | | AreaAnalysis | 281 | PR 137B 547 | | Feb65 | COL | Garg,J.B.+ |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $I^{127}$ | $\Gamma^2\sigma$(0) | 2.0 | 1 | 9.1 | 1 | | | AreaAnalysis | 7 | PR 95 476 | | Jul54 | BNL | Seidl. |
| $I^{127}$ | $\Gamma^2\sigma$(0) | 2.0 | 1 | 9.2 | 1 | | Absolute | AreaAnalysis | 7 | AE 1 55 | 5 | 56 | CCP | Radkevich,I.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $I^{127}$ | Resonance Energy | 1.1 | 1 | 1.1 | 1 | | | CaptureGamma | 1 | PR 123 629 | | Jul61 | ANL | Du Toit,S.J.+ |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $I^{127}$ | Strength Funct | 5.0 | 2 | 2.0 | 3 | | | AreaAnalysis | 5 | PR 137B 547 | | Feb65 | COL | Garg,J.B.+ |
| $I^{127}$ | Strength Fn(l=0) | 9.7 | 1 | 9.7 | 1 | | | AreaAnalysis | 1 | ORNL-2501 26 | | Mar58 | ORL | |
| $I^{127}$ | Strength Fn(l=0) | 8.4 | 1 | 8.4 | 1 | | | AreaAnalysis | 1 | NSE 17 371 | | 63 | ORL | Pattenden. |
| $I^{127}$ | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | | Nov64 | DKE | Seth,K.K.+ |
| $I^{127}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | | Oct66 | CCP | Kapchigashev,S.P.+ |
| $I^{127}$ | Strength Fn(l=0) | 3.4 | 5 | 3.4 | 5 | | | AverageTrans | 1 | AP 46 401 | | Feb68 | DKE | Tabony. |
| $I^{127}$ | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | | Nov64 | DKE | Seth,K.K.+ |
| $I^{127}$ | Strength Fn(l=1) | 3.4 | 5 | 3.4 | 5 | | | AverageTrans | 1 | AP 46 401 | | Feb68 | DKE | Tabony. |
| $I^{127}$ | Strength Fn(l=2) | 3.4 | 5 | 3.4 | 5 | | | AverageTrans | 1 | AP 46 401 | | Feb68 | DKE | Tabony. |
| $I^{127}$ | Level Spacing | 9.7 | 1 | 9.7 | 1 | | | AreaAnalysis | 1 | ORNL-2501 26 | | Mar58 | ORL | |
| $I^{127}$ | Level Spacing | 1.5 | 3 | 1.5 | 3 | | | AreaAnalysis | 1 | PR 137B 547 | | Feb65 | COL | Garg,J.B.+ |
| $I^{127}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | | Oct66 | CCP | Kapchigashev,S. |
| | LEVEL DENS PARAM | | | | | | | | | | | | | |
| $I^{127}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YF 4 1154 | | Dec66 | PEI | Salnikov,O.A.+ |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | | |
| $I^{129}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Copper | Activation | 1 | CJC 34 293 | | 56 | UK | Purkayastha. |
| $I^{129}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | CJC 36 1424 | | 58 | CR | Roy.+ |
| $I^{129}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | JCP 44 970 | | Feb66 | WIS | Wilkey. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT | | | | | | | | | | |
| $I^{129}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | NSE 8 112 | 60 | ORL | Block. |
| $I^{129}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE 8 112 | 60 | ORL | Block. |
| $I^{129}$ | Sigma | 2.5 -2 | 2.5 -2 | | AnothA SameZ | Total | 1 | NSE 17 371 | 63 | ORL | Pattenden. |
| $I^{129}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | CJC 36 1424 | 58 | CR | Roy.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $I^{129}$ | Sigma | 2.0 -2 | 4.5 -2 | | Absolute | TimeOfFlight | 24 | NSE 8 112 | 60 | ORL | Block. |
| | n-WIDTH | | | | | | | | | | |
| $I^{129}$ | $2g\Gamma(n)$ | 6.6 1 | 1.5 2 | | | | 6 | 58GENEVA/16-150 | Sep58 | ORL | Harvey. |
| $I^{129}$ | $2g\Gamma(n,l=0)$ | 6.6 1 | 1.5 2 | | | | 6 | 58GENEVA/16-150 | Sep58 | ORL | Harvey. |
| $I^{129}$ | $2g\Gamma(n,l=0)$ | 7.2 1 | 1.5 2 | | | AreaAnalysis | 5 | NSE 17 371 | 63 | ORL | Pattenden. |
| | AVERAGED PARAM | | | | | | | | | | |
| $I^{129}$ | Strength Fn(l=0) | 7.6 1 | 7.6 1 | | | AreaAnalysis | 1 | NSE 17 371 | 63 | ORL | Pattenden. |
| | (n,γ) REACTION | | | | | | | | | | |
| $I^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | CJC 36 1424 | 58 | CR | Roy.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $I^{131}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | BNL/C- 9 70 | 49 | CR | Yaffe. |
| $I^{131}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ORNL-3488 15 | 63 | ORL | Halperin. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $I^{131}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | JIN 5 253 | 58 | MCM | Kennet. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ELASTIC SCATTERING | | | | | | | | | | |
| Xe | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Xe | σ(Free Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | PR 148 1303 | Aug66 | ANL | Krohn. |
| Xe | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | PR 102 1321 | Jun56 | ANL | Krohn. |
| Xe | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | (*) 211 | 63 | ORL | Burns. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Xe | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 80 296 | Oct50 | MCM | Macnamara. |
| Xe | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| Xe | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | KROHN 66 | 66 | ANL | Krohn. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Xe | Sigma | 6.3 0 | 2.3 5 | | Absolute | TimeOfFlight | 56 | PR 89 904 | Feb53 | ANL | Harris. |
| Xe | Sigma | 5.2 -1 | 1.4 2 | | Absolute | TimeOfFlight | 121 | MANN 58F | Jun58 | BNL | Mann. |
| Xe | Sigma | 1.2 5 | 2.0 7 | | Absolute | Accelerator | 152 | PR 118 683 | May60 | LOK | Imhof,W.L.+ |
| Xe | Sigma | 3.0 -3 | 2.5 -2 | | Absolute | Crystal Spec | 23 | JPR 24 21 | Jan63 | SAC | Genin,R.+ |
| Xe | Sigma | 1.8 2 | 4.1 3 | | | TimeOfFlight | 14286 | RIBON 68B | Feb68 | SAC | Ribon,P. |
| | γ-WIDTH | | | | | | | | | | |
| Xe | Γ(γ) | 1.1 2 | 5.1 2 | | | Shape Analys | 6 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | n-WIDTH | | | | | | | | | | |
| Xe | Γ(n) | 1.1 2 | 5.1 2 | | | Shape Analys | 6 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| Xe | 2agΓ(n) | 9.9 0 | 5.1 2 | | | Shape Analys | 10 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| Xe | Γ(n,l=0) | 1.1 2 | 3.7 2 | | | Shape Analys | 4 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| Xe | Γ | 9.9 0 | 5.1 2 | | | Shape Analys | 10 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Xe | Strength Fn(l=0) | 6.3 1 | 6.3 1 | | | AreaAnalysis | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Xe^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | JAP 29 1373 | Sep58 | HAN | Tobin. |
| $Xe^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 26 9 | Jan64 | ISP | Bresesti,M.+ |
| $Xe^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li)Detect | 3 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Xe^{124}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Xe^{124}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| $Xe^{124}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | JIN 26 9 | Jan64 | ISP | Bresesti,M.+ |
| | n-WIDTH | | | | | | | | | | |
| $Xe^{124}$ | Γ(n) | 5.2 0 | 5.2 0 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Xe^{124}$ | Γ(n,l=0) | 5.2 0 | 5.2 0 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Xe^{125}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR/CM- 33 7 | 63 | CR | Brown. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Xe^{126}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 27 1175 | 65 | ISP | Bresesti. |
| $Xe^{126}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NP 73 91 | 65 | ROS | Winter. |
| $Xe^{126}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li)Detect | 2 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| $Xe^{126}$ | Reson Integral | 5.5 -1 | 5.5 -1 | | $Co^{59}$ | Activation | 1 | JIN 27 1175 | 65 | ISP | Bresesti. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Xe^{126}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| $Xe^{126}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Xe^{126}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Xe^{128}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NSE 31 545 | Mar68 | USA | Tilbury. |
| $Xe^{128}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li)Detect | 2 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Xe^{128}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| $Xe^{128}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Xe^{128}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 80 296 | Oct50 | MCM | Macnamara. |
| $Xe^{128}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Xe^{128}$ | Strength Fn(l=0) | 3.4 3 | 3.4 3 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Xe^{128}$ | Lvl Spacing(l=0) | 3.4 3 | 3.4 3 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Xe^{129}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 80 296 | Oct50 | MCM | Macnamara. |
| $Xe^{129}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| | γ-WIDTH | | | | | | | | | | |
| $Xe^{129}$ | Γ(γ) | 9.6 0 | 1.9 2 | | | Shape Analys | 5 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | |
| $Xe^{129}$ | Γ(n) | 9.5 0 | 1.3 2 | | | TimeOfFlight | 3 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Xe^{129}$ | Γ(n) | 9.6 0 | 1.9 2 | | | Shape Analys | 5 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| $Xe^{129}$ | 2agΓ(n) | 9.6 0 | 1.9 2 | | | Shape Analys | 5 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| $Xe^{129}$ | Γ(n,l=0) | 9.5 0 | 1.3 2 | | | TimeOfFlight | 3 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Xe^{129}$ | Γ(n,l=0) | 9.6 0 | 1.9 2 | | | Shape Analys | 5 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Xe^{129}$ | Γ | 9.6 0 | 1.9 2 | | | Shape Analys | 5 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Xe^{129}$ | Strength Fn(l=0) | 4.1 3 | 4.1 3 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Xe^{129}$ | Lvl Spacing(l=0) | 4.1 3 | 4.1 3 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Xe^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NSE 31 545 | Mar68 | USA | Tilbury. |
| $Xe^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li)Detect | 2 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Xe^{130}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect | 2 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Xe^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 80 296 | Oct50 | MCM | Macnamara. |
| $Xe^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| | n-WIDTH | | | | | | | | | | |
| $Xe^{130}$ | Γ(n) | 1.3 2 | 1.3 2 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Xe^{130}$ | Γ(n,l=0) | 1.3 2 | 1.3 2 | | | TimeOfFlight | 1 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Xe^{130}$ | Strength Fn(l=0) | 3.6 3 | 3.6 3 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Xe^{130}$ | Lvl Spacing(l=0) | 3.6 3 | 3.6 3 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Xe^{131}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Xe^{131}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 80 296 | Oct50 | MCM | Macnamara. |
| $Xe^{131}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| | γ-WIDTH | | | | | | | | | | |
| $Xe^{131}$ | Γ(γ) | 1.4 1 | 2.8 2 | | | Shape Analys | 4 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | n-WIDTH | | | | | | | | | | |
| $Xe^{131}$ | Γ(n) | 1.4 1 | 7.6 1 | | | TimeOfFlight | 3 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Xe^{131}$ | Γ(n) | 1.4 1 | 2.8 2 | | | Shape Analys | 4 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| $Xe^{131}$ | 2agΓ(n) | 1.4 1 | 2.8 2 | | | Shape Analys | 4 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| $Xe^{131}$ | Γ(n,l=0) | 1.4 1 | 7.6 1 | | | TimeOfFlight | 3 | PR 116 1516 | Dec59 | BNL | Mann,D.P.+ |
| $Xe^{131}$ | Γ(n,l=0) | 1.4 1 | 2.8 2 | | | Shape Analys | 4 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Xe^{131}$ | Γ | 1.4 1 | 2.8 2 | | | Shape Analys | 4 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Xe^{131}$ | Strength Fn(l=0) | 4.0 3 | 4.0 3 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Xe^{131}$ | Lvl Spacing(l=0) | 4.0 3 | 4.0 3 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Xe^{132}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 2 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| $Xe^{132}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 2 | NSE 31 545 | Mar68 | USA | Tilbury. |
| $Xe^{132}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li)Detect | 3 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Xe^{132}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect | 2 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Xe^{132}$ | Strength Fn(l=0) | 4.0 3 | 4.0 3 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Xe^{132}$ | Lvl Spacing(l=0) | 4.0 3 | 4.0 3 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Xe^{134}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| $Xe^{134}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li)Detect | 3 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Xe^{134}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| $Xe^{134}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Xe^{134}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li)Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Xe^{134}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 80 296 | Oct50 | MCM | Macnamara. |
| | γ-WIDTH | | | | | | | | | | |
| $Xe^{134}$ | Γ(γ) | 4.5 2 | 4.5 2 | | | Shape Analys | 1 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | n-WIDTH | | | | | | | | | | |
| $Xe^{134}$ | Γ(n) | 4.5 2 | 4.5 2 | | | Shape Analys | 1 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| $Xe^{134}$ | 2agΓ(n) | 4.5 2 | 4.5 2 | | | Shape Analys | 1 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH | | | | | | | | | | |
| $Xe^{134}$ | Γ | 4.5 2 | 4.5 2 | | | Shape Analys | 1 | 66PARIS/I- 119 | Oct66 | SAC | Ribon,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Xe^{135}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Mass Spec | 1 | CJP 33 640 | 55 | MCM | Petruska. |
| $Xe^{135}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | JIN 2 271 | 56 | ANL | Freedman. |
| $Xe^{135}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | AE 3 546 | Dec57 | CCP | Ivanov,R.N.+ |
| $Xe^{135}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 2 | CJP 37 531 | May59 | MCM | Pickel. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Xe^{135}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | PR 102 823 | May56 | ORL | Bernstein. |
| $Xe^{135}$ | Sigma | 1.0 -2 | 3.2 -1 | | Absolute | TimeOfFlight | 77 | PR 115 1693 | Sep59 | ORL | Smith. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Xe^{136}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | AECD-2274 | 48 | ORL | Goldhaber. |
| $Xe^{136}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-16 6 | Jan63 | CR | Eastwood. |
| $Xe^{136}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | JIN 27 1175 | 65 | ISP | Bresesti. |
| $Xe^{136}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Ge(Li) Detect | 1 | NP A120 329 | Nov68 | GIT | Kondaiah,E.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Xe^{136}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,p) | Ge(Li) Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |
| $Xe^{136}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Ge(Li) Detect | 1 | NP A120 337 | Nov68 | GIT | Kondaiah,E.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | JIN 5 259 | 58 | CR | Bayly. |
| $Cs^{133}$ | Sigma | 2.0 4 | 2.0 4 | | $I^{127}$ | Activation | 2 | PR 112 226 | Oct58 | LRL | Booth. |
| $Cs^{133}$ | Sigma | 2.0 4 | 2.0 4 | N | $I^{127}$ | Activation | 2 | PR 112 226 | Oct58 | LRL | Booth. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 4 | CJC 38 2528 | 60 | CR | Baerg. |
| $Cs^{133}$ | Sigma | 4.0 5 | 4.0 5 | | $U^{235}$(n,f) | Scint Tank | 1 | PR 120 556 | Oct60 | LAS | Diven. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | JNE 13 141 | 61 | CR | Brown. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | JIN 17 180 | Apr61 | MTR | Keisch. |
| $Cs^{133}$ | Sigma | 8.7 -1 | 4.0 4 | | | Slowing-Down | 92 | ZET 42 988 | 62 | LEB | Popov. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | NP 60 241 | 64 | ANL | Bishop. |
| $Cs^{133}$ | Sigma | 1.3 4 | 1.7 5 | N | Au(n,γ) | Scint Tank | 72 | 66PARIS/I- 513 | Oct66 | KFK | Kompe,D. |
| $Cs^{133}$ | Sigma | 1.3 4 | 1.7 5 | | Au(n,γ) | Scint Tank | 72 | KFK- 635 | Oct67 | KFK | Poenitz,W.P.+ |
| $Cs^{133}$ | Sigma | 1.4 5 | 1.2 6 | | $U^{235}$(n,f) | Activation | 8 | AE 23 566 | Dec67 | OBN | Tolstikov. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 3 | JIN 32 1799 | Jun70 | MNZ | Qaim,S.M. |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint* | 1 | NP A176 545 | Dec71 | BOR | Rigaud,P.+ |
| $Cs^{133}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | JNE 13 141 | 61 | CR | Brown. |
| $Cs^{133}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Cs^{133}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 24 35 | Feb70 | NPL | Ryves,T.B. |
| | γ,EMISSION | | | | | | | | | | |
| $Cs^{133}$ | Ang Distrib | 1.0 6 | 2.2 6 | | Iron | Ge(Li)Detect* | 78 | NP A142 619 | 70 | TUL | Dave,V.R.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Cs^{133}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 51 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Cs^{133}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Cs^{133}$ | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Cs^{133}$ | σ(Bound Atom) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Cs^{133}$ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | OSA 96 120 | Mar59 | IRK | Vonach,H.+ |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation * | 1 | ZN A 16 227 | Feb61 | HAM | Pollehn,H.+ |
| $Cs^{133}$ | Sigma | 1.3 7 | 2.0 7 | | Al(n,alpha) | Activation * | 5 | ZP 166 477 | Feb62 | HAM | Bormann,M.+ |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.5 7 | | Iron | CrystalScint | 2 | PHY 31 1091 | Jan65 | NED | Nagel,W.+ |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.5 7 | | Iron | Activation | 2 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.5 7 | | Copper | Activation | 2 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | JIN 32 1799 | Jun70 | MNZ | Qaim,S.M. |
| | (n,3n) REACTION | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 2.0 7 | 2.0 7 | | Copper | Activation * | 1 | NP A118 379 | Oct68 | GEL | Liskien,H. |
| | (n,p) REACTION | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.4 7 | | $I^{127}$ | CrystalScint* | 1 | ZN A 15 200 | Mar60 | HAM | Bormann,M.+ |
| $Cs^{133}$ | Sigma | 1.4 7 | 2.2 7 | | | Activation | 2 | EANDC/E- 57 1 | Feb65 | PRK | Bass,R.+ |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation | 1 | JIN 27 2471 | Dec65 | ZAG | Kolar,Z.+ |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 3 | JIN 32 1799 | Jun70 | MNZ | Qaim,S.M. |
| | (n,np) REACTION | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.4 7 | | $I^{127}$ | CrystalScint* | 1 | ZN A 15 200 | Mar60 | HAM | Bormann,M.+ |
| | (n,2p) REACTION | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | JIN 32 1799 | Jun70 | MNZ | Qaim,S.M. |
| | p-EMISSION | | | | | | | | | | |
| $Cs^{133}$ | Spectrum | 1.4 7 | 1.4 7 | | Arb Units | CrystalScint | 48 | NC 20 903 | Jun61 | CIS | Marcazzan,G.M.+ |
| | (n,d) REACTION | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 1.4 7 | 2.2 7 | | | Activation | 2 | EANDC/E- 57 1 | Feb65 | PRK | Bass,R.+ |
| | (n,$He^3$) REACTION | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 125 297 | Jan62 | ARK | Bramlitt. |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | NP 68 546 | Jul65 | HUN | Csikai,J.+ |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | JIN 32 1799 | Jun70 | MNZ | Qaim,S.M. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Activation | 1 | PR 110 531 | Apr58 | ORL | Blosser. |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Cs^{133}$ | Sigma | 1.4 7 | 1.4 7 | | H(n,n) | CrystalScint | 1 | NC 20 903 | Jun61 | CIS | Marcazzan,G.M.+ |
| $Cs^{133}$ | Sigma | 1.2 7 | 2.2 7 | | | CrystalScint* | 6 | ZN A 17 479 | Mar62 | HAM | Bormann,M. |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Cs^{133}$ | Sigma | 1.4 7 | 2.2 7 | | | Activation | 2 | EANDC/E- 57 1 | Feb65 | PRK | Bass,R.+ |
| $Cs^{133}$ | Sigma | 1.0 6 | 1.0 6 | | Al(n,alpha) | Activation * | 1 | KR-123 | Dec67 | KJL | Steinnes,E. |
| $Cs^{133}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 3 | JIN 32 1799 | Jun70 | MNZ | Qaim,S.M. |
| $Cs^{133}$ | Spectrum | 1.4 7 | 1.4 7 | | H(n,n) | CrystalScint | 33 | NC 20 903 | Jun61 | CIS | Marcazzan,G.M.+ |
| | (n,n alpha) REACT | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 1.4 7 | 2.2 7 | | | CrystalScint* | 5 | ZN A 17 479 | Mar62 | HAM | Bormann,M. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | AERE/R-2333 | 57 | HAR | Cummins. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | 58GENEVA/15-459 | Sep58 | MCM | Bidinosti. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | | 1 | KAPL-2000 12 | Dec60 | KAP | Fehr. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 2 | CEA/R-2486 | 64 | PAR | Vidal,R. |
| $Cs^{133}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | BAP 10 12 | Jan65 | KAP | Hickman. |
| $Cs^{133}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| $Cs^{133}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | Mass Spec | 1 | 58GENEVA/15-459 | Sep58 | MCM | Bidinosti. |
| $Cs^{133}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 2 | CJC 38 2528 | 60 | CR | Baerg. |
| $Cs^{133}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | | 1 | KAPL-2000 12 | Dec60 | KAP | Fehr. |
| $Cs^{133}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | CEA/R-2486 | 64 | PAR | Vidal,R. |
| $Cs^{133}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Pile Oscilat | 1 | CEA/R-2486 | 64 | PAR | Vidal,R. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Cs^{133}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Total | 1 | BAP 10 12 | Jan65 | KAP | Hickman. |
| $Cs^{133}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | TimeOfFlight | 1 | BAP 10 12 | Jan65 | KAP | Hickman. |
| $Cs^{133}$ | Sigma | 2.8 | -2 | 4.9 | -1 | | Absolute | Crystal Spec | 9 | BAP 10 12 | Jan65 | KAP | Hickman. |
| $Cs^{133}$ | Sigma | 1.6 | -2 | 4.4 | 0 | | Absolute | TimeOfFlight | 61 | BAP 10 12 | Jan65 | KAP | Hickman. |
| $Cs^{133}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Copper | TimeOfFlight | 1 | BAP 10 12 | Jan65 | KAP | Hickman. |
| $Cs^{133}$ | Sigma | 1.0 | 2 | 4.0 | 3 | | Absolute | TimeOfFlight | 7559 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Cs^{133}$ | Sigma | 8.1 | 1 | 1.4 | 3 | P | Absolute | TimeOfFlight | 7040 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Cs^{133}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | AHP 20 193 | 66 | DEB | Angeli,I.+ |
| $Cs^{133}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Accelerator | 1 | AHP 20 193 | 66 | DEB | Angeli,I.+ |
| $Cs^{133}$ | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 243 | POSTER 67E | May67 | BNW | Poster. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Cs^{133}$ | Γ(γ) | 5.9 | 0 | 5.9 | 0 | | | Shape Analys | 1 | PR 93 1030 | Mar54 | BNL | Landon,H.H.+ |
| $Cs^{133}$ | Γ(γ) | 2.3 | 1 | 4.8 | 1 | | | AreaAnalysis | 2 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Cs^{133}$ | Γ(γ) | 5.9 | 0 | 5.9 | 2 | | | AreaAnalysis* | 21 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Cs^{133}$ | Γ(n) | 5.9 | 0 | 5.9 | 2 | | | AreaAnalysis* | 21 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| $Cs^{133}$ | 2gΓ(n) | 5.9 | 0 | 5.9 | 0 | | | Shape Analys | 1 | PR 93 1030 | Mar54 | BNL | Landon,H.H.+ |
| $Cs^{133}$ | 2gΓ(n) | 2.3 | 1 | 5.3 | 2 | | | AreaAnalysis | 16 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Cs^{133}$ | 2gΓ(n,l=0) | 5.9 | 0 | 5.9 | 0 | | | Shape Analys | 1 | PR 93 1030 | Mar54 | BNL | Landon,H.H.+ |
| $Cs^{133}$ | 2gΓ(n,l=0) | 2.3 | 1 | 5.3 | 2 | | | AreaAnalysis | 16 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Cs^{133}$ | 2gΓ(n,l=0) | 1.3 | 2 | 3.5 | 3 | | | AreaAnalysis | 160 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Cs^{133}$ | <Γ(n,l=0)> | 2.5 | 2 | 2.5 | 2 | | | AreaAnalysis* | 1 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Cs^{133}$ | Γ | 5.9 | 0 | 5.9 | 0 | | | Shape Analys | 1 | PR 93 1030 | Mar54 | BNL | Landon,H.H.+ |
| $Cs^{133}$ | Γ | 5.9 | 0 | 2.2 | 2 | | | AreaAnalysis* | 9 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Cs^{133}$ | Resonance Energy | 5.9 | 0 | 5.9 | 2 | | | AreaAnalysis* | 24 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Cs^{133}$ | Strength Funct | 5.0 | 2 | 1.7 | 3 | | | AreaAnalysis | 4 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Cs^{133}$ | Strength Funct | 2.5 | 2 | 2.5 | 2 | | | AreaAnalysis* | 1 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| $Cs^{133}$ | Strength Fn(l=0) | 2.6 | 2 | 2.6 | 2 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Cs^{133}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Cs^{133}$ | Strength Fn(l=1) | 1.5 | 5 | 1.5 | 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| $Cs^{133}$ | Strength Fn(l=2) | 1.5 | 5 | 1.5 | 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| $Cs^{133}$ | Str Fnct Part(γ) | 1.5 | 5 | 1.5 | 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| $Cs^{133}$ | Level Spacing | 1.2 | 2 | 1.2 | 2 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Cs^{133}$ | Level Spacing | 1.5 | 3 | 1.5 | 3 | | | AreaAnalysis | 1 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Cs^{133}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Cs^{133}$ | Level Spacing | 2.5 | 2 | 2.5 | 2 | | | AreaAnalysis* | 1 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| $Cs^{133}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YF 4 1154 | Dec66 | FEI | Salnikov,O.A.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Cs^{134}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | AnothA SameZ | Mass Spec | 1 | JIN 5 259 | 58 | CR | Bayly. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Cs^{135}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 75 1473 | May49 | LAS | Sugarman. |
| $Cs^{135}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | CJP 36 863 | 58 | CR | Baerg. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Cs^{135}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | AnothA SameZ | Total | 1 | NRDC-107 | May58 | HAR | Cocking. |
| $Cs^{135}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | $Co^{59}$ | Activation | 1 | CJP 36 863 | 58 | CR | Baerg. |
| | n-WIDTH | | | | | | | | | | | | |
| $Cs^{135}$ | Γ(n) | 4.2 | 1 | 8.8 | 2 | | | AreaAnalysis* | 2 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Cs^{135}$ | Resonance Energy | 4.2 | 1 | 8.8 | 2 | | | AreaAnalysis* | 2 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Cs^{137}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | JNE 12 16 | 60 | ANL | Stupegia. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Cs^{137}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | BNL/C- 9 89 | 49 | BNL | Studier. |
| | n-WIDTH | | | | | | | | | | | | |
| $Cs^{137}$ | Γ(n) | 4.2 | 1 | 8.8 | 2 | | | AreaAnalysis* | 2 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Cs^{137}$ | Resonance Energy | 4.2 | 1 | 8.8 | 2 | | | AreaAnalysis* | 2 | 70HELSNK/I- 679 | Jun70 | KIL | Jung,H.H.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Cs^{138}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | Arb Units | Ge(Li)Detect* | 15 | AERE/R-5741 | Apr68 | HAR | Bullock,R.J.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ba | Sigma | 2.5 4 | 8.3 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| | γ,EMISSION | | | | | | | | | | |
| Ba | Ang Distrib | 8.5 6 | 8.5 6 | | | CrystalScint | 9 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Ba | Ang Distrib | 5.5 6 | 7.5 6 | | Carbon | CrystalScint | 19 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Ba | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ba | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Ba | Sigma | 6.5 5 | 6.5 5 | | | Diff Sig Int | 1 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Ba | Sigma | 5.0 5 | 8.0 5 | | | Diff Sig Int | 2 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Ba | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Ba | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ba | Ang Distrib | 5.0 6 | 5.0 6 | | | Biased Scint | 10 | PR 109 2105 | Mar58 | WES | Hill. |
| Ba | Ang Distrib | 4.1 6 | 4.1 6 | | H(n,n) | Biased Scint | 15 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Ba | Ang Distrib | 6.5 5 | 6.5 5 | | | Threshold C | 8 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Ba | Ang Distrib | 1.2 6 | 1.7 6 | | Absolute | CrystalScint | 90 | PR 131 1644 | Aug63 | STP | Wells. |
| Ba | Ang Distrib | 5.0 5 | 8.0 5 | | | Threshold C | 16 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Ba | Ang Distrib | 3.2 6 | 3.2 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| Ba | Polarizat n-out | 3.3 6 | 3.3 6 | | | Threshold C | 1 | INDC-140 5 | Jun66 | FEI | Kazakova,L.Ya.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Ba | Sigma | 6.0 5 | 1.2 6 | | | | 3 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Ba | Sigma | 6.0 5 | 1.2 6 | | | $He^3$ Spec | 9 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Ba | Ang Distrib | 4.1 6 | 4.1 6 | | | TimeOfFlight | 17 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ba | σ(Potential) | 1.8 2 | 1.8 2 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ba | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ba | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ba | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ba | Sigma | 2.4 4 | 2.4 4 | | Absolute | Long Counter | 1 | INDSWG- 74 5 | Oct65 | CCP | Belanova,T.S.+ |
| Ba | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Ba | Sigma | 2.5 6 | 4.1 6 | | Absolute | Shell Trans | 3 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Ba | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Ba | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ba | Sigma | 5.0 4 | 3.2 6 | | Absolute | Accelerator | 71 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Ba | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Ba | Sigma | 8.0 1 | 4.2 2 | | Absolute | TimeOfFlight | 43 | BOLLINGER 53 | 53 | ANL | Bollinger. |
| Ba | Sigma | 1.6 4 | 1.0 5 | | Absolute | Accelerator | 57 | PR 102 1580 | Jun56 | DKE | Newson. |
| Ba | Sigma | 2.3 6 | 2.7 6 | | Absolute | CrystalScint | 14 | BAP 2 232 | Apr57 | TEX | Bennett. |
| Ba | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 3 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Ba | Sigma | 1.1 2 | 2.4 2 | | | TimeOfFlight | 10 | PR 110 692 | May58 | BNL | Seth. |
| Ba | Sigma | 1.8 1 | 1.2 3 | | Absolute | TimeOfFlight | 680 | BOLLINGER 59G | Jul59 | ANL | Bollinger. |
| Ba | Sigma | 4.1 6 | 4.1 6 | | | TimeOfFlight | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Ba | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Ba | Sigma | 1.2 6 | 1.8 6 | | | | 24 | PR 131 1644 | Aug63 | STP | Wells. |
| Ba | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 253 | FOSTER 67E | May67 | BNW | Foster. |
| | n-WIDTH | | | | | | | | | | |
| Ba | Γ(n) | 5.3 4 | 1.3 5 | | | TimeOfFlight | 5 | AP 14 387 | 61 | DKE | Bilpuch. |
| Ba | agΓ(n) | 4.6 1 | 1.8 3 | | | Shape Analys | 25 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| Ba | 2agΓ(n) | 4.6 1 | 2.1 3 | | | Shape Analys | 25 | JULIEN 66 | 66 | SAC | Julien. |
| Ba | agΓ(n,l=0) | 4.6 1 | 1.8 3 | | | Shape Analys | 25 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| Ba | 2agΓ(n,l=0) | 4.6 1 | 2.1 3 | | | Shape Analys | 25 | JULIEN 66 | 66 | SAC | Julien. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Ba | Resonance Energy | 4.6 1 | 2.4 2 | | | TimeOfFlight | 4 | 65ANTWRP-188 | Jul65 | DUB | Kim Hi San. |
| Ba | Resonance Energy | 1.5 3 | 2.1 3 | | | Shape Analys | 3 | JULIEN 66 | 66 | SAC | Julien. |
| Ba | Resonance Energy | 4.6 1 | 1.8 3 | | | Shape Analys* | 28 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| Ba | Spin of Reson | 1.0 3 | 1.1 3 | | | Shape Analys | 3 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ba^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | NYO-10175 | 64 | UCB | Arino. |
| $Ba^{130}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NSE 31 545 | Mar68 | USA | Tilbury. |
| | n-WIDTH | | | | | | | | | | |
| $Ba^{130}$ | Γ(n) | 3.8 2 | 9.0 2 | | | Shape Analys | 6 | CEA/R-3128 | Jun66 | SAC | Chevillon-Pitollat,P |
| $Ba^{130}$ | gΓ(n) | 3.8 2 | 9.0 2 | | | Shape Analys | 6 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{130}$ | agΓ(n) | 3.8 2 | 9.0 2 | | | Shape Analys | 6 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{130}$ | Γ(n,l=0) | 3.8 2 | 9.0 2 | | | Shape Analys | 6 | CEA/R-3128 | Jun66 | SAC | Chevillon-Pitollat,P |
| $Ba^{130}$ | gΓ(n,l=0) | 3.8 2 | 5.9 2 | | | Shape Analys | 4 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{130}$ | agΓ(n,l=0) | 3.8 2 | 9.0 2 | | | Shape Analys | 6 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ba^{130}$ | Γ | 3.8 2 | 9.0 2 | | | Shape Analys | 4 | JULIEN 66 | 66 | SAC | Julien. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ba^{130}$ | Resonance Energy | 3.8 2 | 9.0 2 | | | Shape Analys* | 6 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{130}$ | Spin of Reson | 3.8 2 | 9.0 2 | | | Shape Analys | 5 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ba^{132}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 1160 | Dec47 | ANL | Katcoff. |
| $Ba^{132}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 101 149 | Jan56 | ARK | Beggs,W.C.+ |
| $Ba^{132}$ | Sigma | 2.5 -2 | 2.5 -2 | | AnothA SameZ | Activation | 1 | PR 101 149 | Jan56 | ARK | Beggs,W.C.+ |
| $Ba^{132}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Ba^{132}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| $Ba^{132}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Accelerator | 1 | JIN 25 1079 | Jul63 | ORL | Lyon,W.S. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | | |
| $Ba^{132}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | AnothA SameZ | Activation | 1 | JIN 25 1079 | Jul63 | ORL | Lyon,W.S. |
| $Ba^{132}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | AnothA SameZ | Activation | 1 | JIN 25 1079 | Jul63 | ORL | Lyon,W.S. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Ba^{134}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Ba^{134}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Ba^{134}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Ba^{134}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Ba^{134}$ | Γ(γ) | 5.7 | 1 | 5.0 | 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | n-WIDTH | | | | | | | | | | | | |
| $Ba^{134}$ | Γ(n) | 5.7 | 1 | 5.0 | 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{134}$ | gΓ(n) | 5.7 | 1 | 5.0 | 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{134}$ | agΓ(n) | 5.7 | 1 | 5.0 | 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{134}$ | Γ(n,l=0) | 5.7 | 1 | 5.0 | 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{134}$ | gΓ(n,l=0) | 5.7 | 1 | 5.0 | 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{134}$ | agΓ(n,l=0) | 5.7 | 1 | 5.0 | 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Ba^{134}$ | Γ | 5.7 | 1 | 5.0 | 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Ba^{134}$ | Resonance Energy | 5.8 | 1 | 5.8 | 1 | | | TimeOfFlight | 1 | 65ANTWRP-188 | Jul65 | DUB | Kim Hi San. |
| $Ba^{134}$ | Resonance Energy | 5.7 | 1 | 5.0 | 2 | | | Shape Analys* | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{134}$ | Spin of Reson | 5.7 | 1 | 5.0 | 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Ba^{135}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ba^{135}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ba^{135}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | | 3 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Ba^{135}$ | Γ(γ) | 8.2 | 1 | 8.2 | 1 | | | AreaAnalysis | 1 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Ba^{135}$ | Γ(γ) | 2.4 | 1 | 2.4 | 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Ba^{135}$ | Γ(γ) | 2.4 | 1 | 2.9 | 2 | | | AreaAnalysis | 4 | 65ANTWRP-188 | Jul65 | DUB | Kim Hi San. |
| $Ba^{135}$ | Γ(γ) | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 18 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | n-WIDTH | | | | | | | | | | | | |
| $Ba^{135}$ | Γ(n) | 2.4 | 1 | 2.4 | 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Ba^{135}$ | Γ(n) | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 22 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{135}$ | gΓ(n) | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 22 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{135}$ | 2gΓ(n) | 8.2 | 1 | 5.2 | 2 | | | AreaAnalysis | 10 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Ba^{135}$ | 2gΓ(n) | 2.4 | 1 | 2.9 | 2 | | | AreaAnalysis | 5 | 65ANTWRP-188 | Jul65 | DUB | Kim Hi San. |
| $Ba^{135}$ | 2gΓ(n) | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 20 | JULIEN 66 | 66 | SAC | Julien. |
| $Ba^{135}$ | agΓ(n) | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 22 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{135}$ | Γ(n,l=0) | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 22 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{135}$ | gΓ(n,l=0) | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 22 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{135}$ | 2gΓ(n,l=0) | 8.2 | 1 | 5.2 | 2 | | | AreaAnalysis | 10 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Ba^{135}$ | 2gΓ(n,l=0) | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 20 | JULIEN 66 | 66 | SAC | Julien. |
| $Ba^{135}$ | agΓ(n,l=0) | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 22 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Ba^{135}$ | Γ | 2.4 | 1 | 2.4 | 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Ba^{135}$ | Γ | 2.4 | 1 | 2.9 | 2 | | | AreaAnalysis | 4 | 65ANTWRP-188 | Jul65 | DUB | Kim Hi San. |
| $Ba^{135}$ | Γ | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 18 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Ba^{135}$ | Resonance Energy | 8.2 | 1 | 1.1 | 2 | | | TimeOfFlight | 3 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Ba^{135}$ | Resonance Energy | 2.4 | 1 | 1.3 | 3 | | | Shape Analys* | 22 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{135}$ | Resonance Energy | 2.4 | 1 | 8.8 | 1 | | | * | 3 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| $Ba^{135}$ | Spin of Reson | 2.4 | 1 | 3.2 | 2 | | | CaptureGamma | 7 | 64PARIS/II- 673 | Jul64 | ANL | Bollinger. |
| $Ba^{135}$ | Spin of Reson | 2.4 | 1 | 2.9 | 2 | | | AreaAnalysis | 4 | 65ANTWRP-188 | Jul65 | DUB | Kim Hi San. |
| $Ba^{135}$ | Spin of Reson | 2.4 | 1 | 1.3 | 3 | | | Shape Analys | 22 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{135}$ | Spin of Reson | 2.4 | 1 | 8.8 | 1 | | | * | 3 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Ba^{135}$ | Strength Fn(l=0) | 1.0 | 3 | 1.0 | 3 | | | AreaAnalysis | 2 | INDC-156 P.64 | Oct66 | SAC | Julien,J.+ |
| $Ba^{135}$ | Strength Fn(l=0) | 1.3 | 3 | 1.3 | 3 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Ba^{136}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Ba^{136}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | NSE 22 373 | 65 | UCB | Kramer. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Ba^{136}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Ba^{136}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Ba^{136}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Ba^{136}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ba^{136}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH | | | | | | | | | | |
| $Ba^{136}$ | Γ(γ) | 1.0 2 | 1.0 2 | | | Shape Analys | 1 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | n-WIDTH | | | | | | | | | | |
| $Ba^{136}$ | Γ(n) | 1.0 2 | 1.0 2 | | | AreaAnalysis | 1 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Ba^{136}$ | Γ(n) | 1.0 2 | 5.1 2 | | | Shape Analys | 2 | JULIEN 66 | 66 | SAC | Julien. |
| $Ba^{136}$ | Γ(n) | 1.0 2 | 5.1 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{136}$ | gΓ(n) | 1.0 2 | 5.1 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{136}$ | agΓ(n) | 1.0 2 | 5.1 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{136}$ | Γ(n,l=0) | 1.0 2 | 1.0 2 | | | AreaAnalysis | 1 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Ba^{136}$ | Γ(n,l=0) | 1.0 2 | 5.1 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{136}$ | gΓ(n,l=0) | 1.0 2 | 5.1 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{136}$ | agΓ(n,l=0) | 1.0 2 | 5.1 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ba^{136}$ | Γ | 8.0 3 | 8.0 3 | | | TimeOfFlight | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Ba^{136}$ | Γ | 1.0 2 | 1.0 2 | | | Shape Analys | 1 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ba^{136}$ | Resonance Energy | 1.0 2 | 1.0 2 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Ba^{136}$ | Resonance Energy | 1.0 2 | 5.1 2 | | | Shape Analys* | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{136}$ | Spin of Reson | 1.0 2 | 5.1 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | AVERAGED PARAM | | | | | | | | | | |
| $Ba^{136}$ | Level Spacing | 5.0 4 | 5.0 4 | | | TimeOfFlight | 1 | AP 14 346 | 61 | DKE | Newson. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Ba^{137}$ | Sigma | 5.0 5 | 3.0 6 | | | Activation | 36 | PR 100 1329 | Dec55 | BAR | Swann. |
| $Ba^{137}$ | Sigma | 2.8 6 | 2.8 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ba^{137}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ba^{137}$ | Sigma | 2.4 4 | 8.3 5 | | | | 3 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | |
| $Ba^{137}$ | Γ(γ) | 4.2 2 | 5.8 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | n-WIDTH | | | | | | | | | | |
| $Ba^{137}$ | Γ(n) | 4.2 2 | 1.3 3 | | | Shape Analys | 3 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{137}$ | gΓ(n) | 4.2 2 | 1.3 3 | | | Shape Analys | 3 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{137}$ | 2gΓ(n) | 4.2 2 | 5.9 2 | | | AreaAnalysis | 2 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Ba^{137}$ | 2gΓ(n) | 4.2 2 | 1.3 3 | | | Shape Analys | 3 | JULIEN 66 | 66 | SAC | Julien. |
| $Ba^{137}$ | agΓ(n) | 4.2 2 | 1.3 3 | | | Shape Analys | 3 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{137}$ | Γ(n,l=0) | 4.2 2 | 1.3 3 | | | Shape Analys | 3 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{137}$ | gΓ(n,l=0) | 4.2 2 | 1.3 3 | | | Shape Analys | 3 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{137}$ | 2gΓ(n,l=0) | 4.2 2 | 5.9 2 | | | AreaAnalysis | 2 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Ba^{137}$ | 2gΓ(n,l=0) | 4.2 2 | 1.3 3 | | | Shape Analys | 3 | JULIEN 66 | 66 | SAC | Julien. |
| $Ba^{137}$ | agΓ(n,l=0) | 4.2 2 | 1.3 3 | | | Shape Analys | 3 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ba^{137}$ | Γ | 4.2 2 | 5.8 2 | | | Shape Analys | 2 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ba^{137}$ | Resonance Energy | 4.2 2 | 1.3 3 | | | Shape Analys* | 3 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| $Ba^{137}$ | Spin of Reson | 4.2 2 | 1.3 3 | | | Shape Analys | 3 | CEA/R-3128 | Jun66 | PAR | Chevillon-Pitollat,P |
| | AVERAGED PARAM | | | | | | | | | | |
| $Ba^{137}$ | Strength Fn(l=0) | 1.3 3 | 1.3 3 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ba^{138}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PE 75 1781 | Jun49 | ANL | Hughes. |
| $Ba^{138}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ba^{138}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Ba^{138}$ | Sigma | 2.5 6 | 4.0 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Ba^{138}$ | Sigma | 2.5 6 | 4.0 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Ba^{138}$ | Sigma | 2.0 5 | 4.0 6 | | $I^{127}$ | Activation | 4 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Ba^{138}$ | Sigma | 2.1 4 | 2.1 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Ba^{138}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Ba^{138}$ | Sigma | 1.5 5 | 2.2 6 | | $U^{235}(n,f)$ | Activation | 17 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Ba^{138}$ | Sigma | 1.5 5 | 2.2 6 | N | $U^{235}(n,f)$ | Activation | 17 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Ba^{138}$ | Sigma | 8.6 4 | 1.8 6 | | $U^{235}(n,f)$ | Activation | 12 | AE 10 508 | May61 | CCP | Stavisskii. |
| $Ba^{138}$ | Sigma | 8.6 4 | 9.0 5 | N | $U^{235}(n,f)$ | Activation | 5 | AE 10 508 | May61 | CCP | Stavisskii. |
| $Ba^{138}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NSE 22 373 | 65 | UCB | Kramer. |
| $Ba^{138}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Ba^{138}$ | Sigma | 3.0 6 | 3.0 6 | | $P^{31}(n,p)$ | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Ba^{138}$ | Sigma | 2.9 6 | 2.9 6 | | Indium | Activation * | 1 | OSA 105 236 | Jun68 | IRK | Colditz,J.+ |
| $Ba^{138}$ | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Activation | 1 | CJP 46 2473 | Nov68 | ARG | Ricabarra. |
| | INEL SCATTERING | | | | | | | | | | |
| $Ba^{138}$ | Sigma | 1.4 6 | 2.1 6 | | | CrystalScint | 54 | PR 137B1181 | Mar65 | STP | Tucker. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ba^{138}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Ba^{138}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 1 | INR-1054 | May69 | IBJ | Rurarz,E.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Ba^{138}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ba^{138}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Ba^{138}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Ba^{138}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | ZET 45 305 | Aug63 | CCP | Levkovskii. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ba^{138}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 2 | JPJ 16 2371 | Dec61 | HYO | Fukuzawa,F.+ |
| $Ba^{138}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | ZN A 20 1583 | Mar65 | GER | Lagerwall.+ |
| $Ba^{138}$ | Sigma | 1.5 7 | 1.5 7 | | H(n,n) | Diff Sig Int* | 1 | ZP 201 105 | Apr67 | GER | Staudt,G. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,alpha) REACTION (CONTINUED) | | | | | | | | | | | | | | |
| $Ba^{138}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | * | 4 | ZP | 201 | 105 | Apr67 | GER | Staudt,G. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | |
| $Ba^{138}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR | 88 | 412 | Oct52 | ORL | Pomerance. |
| $Ba^{138}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR | 88 | 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | | | | | |
| $Ba^{138}$ | Γ(n) | 3.2 | 4 | 1.9 | 5 | | | TimeOfFlight | 35 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| $Ba^{138}$ | Γ(n,l=0) | 3.2 | 4 | 1.9 | 5 | | | TimeOfFlight | 26 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| | AVERAGED PARAM | | | | | | | | | | | | | | |
| $Ba^{138}$ | Strength Fn(l=0) | 1.1 | 5 | 1.1 | 5 | | | TimeOfFlight | 2 | AP | 14 | 387 | 61 | DKE | Bilpuch. |
| $Ba^{138}$ | Level Spacing | 1.1 | 5 | 1.1 | 5 | | | TimeOfFlight | 1 | AP | 14 | 346 | 61 | DKE | Newson. |
| | (n,γ) REACTION | | | | | | | | | | | | | | |
| $Ba^{140}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | 58GENEVA/16- 54 | | | Sep58 | CR | Eastwood,T.A.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| La | Ang Distrib | 4.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| La | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Biased Scint | 8 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| La | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| La | Ang Distrib | 1.5 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | 64 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| La | Legendre Fit | 1.5 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | 32 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| | ELASTIC+SOME INEL | | | | | | | | | | | | |
| La | Sigma | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| La | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| La | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight | 18 | 68WASH- 755 | Mar68 | VIR | Bernard. |
| | INEL SCATTERING | | | | | | | | | | | | |
| La | Ang Distrib | 4.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| La | Ang Distrib | 5.0 | 6 | 7.0 | 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| La | Ang Distrib | 1.5 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | 128 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| La | Legendre Fit | 1.5 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | 47 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| La | Sigma | 2.5 | -2 | 2.5 | -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| La | σ(Potential) | 2.5 | -2 | 2.5 | -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| La | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| La | σ(Coherent) | 7.3 | -2 | 7.3 | -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| La | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| La | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| La | Scatt Amplitude | 7.3 | -2 | 7.3 | -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| La | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| La | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| La | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| La | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| La | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | AERE/R-2333 | 57 | HAR | Cummins. |
| La | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| La | Sigma | 1.0 | 4 | 3.2 | 6 | | Absolute | Accelerator | 85 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| La | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| La | Sigma | 2.7 | 6 | 1.3 | 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| La | Sigma | 1.0 | 3 | 1.0 | 4 | | | Proportion C | 35 | PR 105 198 | Jan57 | DKE | Newson. |
| La | Sigma | 6.4 | 1 | 8.3 | 1 | | Absolute | TimeOfFlight | 21 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| La | Sigma | 1.3 | 7 | 1.6 | 7 | | | Accelerator | 6 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| La | Sigma | 3.9 | 0 | 4.2 | 1 | | Absolute | TimeOfFlight | 335 | BAP 4 385 | Aug59 | ORL | Harvey. |
| La | Sigma | 3.0 | 4 | 6.5 | 5 | | | Accelerator | 100 | SETH 65J | Oct65 | DKE | Seth. |
| La | Sigma | 1.0 | -1 | 1.5 | 3 | | Absolute | TimeOfFlight | 58 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| La | Sigma | 3.3 | 6 | 5.2 | 6 | | Absolute | Transmission | 65 | ARS 64 63 | Feb68 | JNE | Manero,P. |
| La | Sigma | 1.5 | 4 | 2.4 | 5 | | Absolute | Transmission | 84 | NISHIMURA 71I | Sep71 | JAE | Nishimura,K.+ |
| | n-WIDTH | | | | | | | | | | | | |
| La | 2gΓ(n) | 7.2 | 1 | 7.2 | 1 | | Absolute | TimeOfFlight | 1 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| La | Γ | 7.2 | 1 | 7.2 | 1 | | Absolute | TimeOfFlight | 1 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| La | Resonance Energy | 3.2 | 2 | 5.2 | 2 | | | AreaAnalysis | 4 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| La | Strength Fn(l=0) | 5.5 | 3 | 5.5 | 3 | | | | 1 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $La^{138}$ | Γ(γ) | 3.1 | 0 | 3.1 | 0 | | | Shape Analys | 1 | ORNL-3924 28 | 65 | ORL | |
| $La^{138}$ | Γ(γ) | 3.0 | 0 | 3.0 | 0 | | | AreaAnalysis | 1 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $La^{138}$ | 2gΓ(n) | 3.1 | 0 | 3.1 | 0 | | | AreaAnalysis | 1 | BAP 4 385 | Aug59 | ORL | Harvey. |
| $La^{138}$ | 2gΓ(n) | 3.0 | 0 | 2.0 | 1 | | | AreaAnalysis | 2 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| $La^{138}$ | 2gΓ(n,l=0) | 2.1 | 1 | 3.6 | 2 | | | AreaAnalysis | 9 | ORNL-3924 28 | 65 | ORL | |
| $La^{138}$ | 2gΓ(n,l=0) | 3.1 | 0 | 3.1 | 0 | | | Shape Analys | 1 | ORNL-3924 28 | 65 | ORL | |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $La^{138}$ | Γ | 3.0 | 0 | 2.0 | 1 | | | AreaAnalysis | 2 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $La^{138}$ | Resonance Energy | 2.1 | 1 | 2.1 | 1 | | | TimeOfFlight | 1 | BAP 4 385 | Aug59 | ORL | Harvey. |
| $La^{138}$ | Resonance Energy | 2.1 | 1 | 3.6 | 2 | | | CaptureGamma | 9 | WASH-1048 71 | Jun64 | RPI | Block,R.C. |
| $La^{138}$ | Resonance Energy | 2.6 | 2 | 3.6 | 2 | | | AreaAnalysis | 3 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| $La^{138}$ | σ(0) | 3.0 | 0 | 2.0 | 1 | | | AreaAnalysis | 2 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $La^{139}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $La^{139}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $La^{139}$ | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $La^{139}$ | Sigma | 2.0 | 4 | 2.0 | 4 | N | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $La^{139}$ | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $La^{139}$ | Sigma | 1.7 | 5 | 2.0 | 6 | | $U^{235}(n,f)$ | Activation | 4 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $La^{139}$ | Sigma | 1.7 | 5 | 2.0 | 6 | N | $U^{235}(n,f)$ | Activation | 4 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $La^{139}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $La^{139}$ | Sigma | 4.0 | 1 | 4.0 | 4 | | | Slowing-Down | 66 | ZET 46 80 | 63 | LEB | Konks. |
| $La^{139}$ | Sigma | 1.1 | 4 | 2.0 | 6 | | | Activation | 19 | ANL-7132 31 | 65 | ANL | Stupegia. |
| $La^{139}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $La^{139}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chauhey,A.K.+ |
| $La^{139}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | |
| La139 | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| La139 | Sigma | 1.1 4 | 2.0 6 | | U235(n,f) | Activation | 19 | JNE 22 267 | May68 | ANL | Stupegia. |
| La139 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| La139 | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint* | 1 | NP A176 545 | Dec71 | BOR | Rigaud,F.+ |
| La139 | Reson Integral | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| La139 | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 4 | NC 29 977 | Aug63 | CAS | Giannini,M.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| La139 | Sigma | 2.3 5 | 1.6 6 | | | TimeOfFlight | 8 | NP A124 111 | Feb69 | SAF | Malan. |
| La139 | Legendre Fit | 2.3 5 | 1.6 6 | | | TimeOfFlight | 32 | NP A124 111 | Feb69 | SAF | Malan. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| La139 | Sigma | 1.2 6 | 2.0 6 | | Iron | Ring Geomtry | 18 | YF 1 443 | Mar65 | LEB | Bukarev,V.A.+ |
| | (n,p) REACTION | | | | | | | | | | |
| La139 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| La139 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| La139 | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| La139 | Sigma | 1.4 7 | 1.4 7 | | Cu63(n,2n) | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| La139 | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation * | 1 | NP A 91 222 | Jan67 | DEB | Csikai,J.+ |
| | (n,2p) REACTION | | | | | | | | | | |
| La139 | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 2 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,t) REACTION | | | | | | | | | | |
| La139 | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| La139 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| La139 | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| La139 | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | NP 73 548 | Nov65 | RBZ | Kulisic,P.+ |
| La139 | Ang Distrib | 1.5 7 | 1.5 7 | | | Count Telesc | 4 | NP 73 548 | Nov65 | RBZ | Kulisic,P.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| La139 | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 254 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | |
| La139 | Γ(γ) | 7.3 1 | 7.3 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| La139 | Γ(γ) | 7.5 -1 | 7.5 -1 | | | AreaAnalysis | 1 | BAP 4 385 | Aug59 | ORL | Harvey. |
| La139 | Γ(γ) | 7.3 -1 | 7.2 1 | | | AreaAnalysis | 2 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| | n-WIDTH | | | | | | | | | | |
| La139 | Γ(n) | 7.3 1 | 7.3 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| La139 | Γ(n) | 7.2 1 | 7.2 1 | | | AreaAnalysis | 1 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| La139 | gΓ(n) | 7.2 1 | 1.0 4 | | | AreaAnalysis | 69 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| La139 | 2gΓ(n) | 7.5 -1 | 7.5 -1 | | | AreaAnalysis | 1 | BAP 4 385 | Aug59 | ORL | Harvey. |
| La139 | 2gΓ(n) | 7.2 1 | 7.2 1 | | | TimeOfFlight | 1 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| La139 | 2gΓ(n) | 7.3 -1 | 1.2 3 | | | AreaAnalysis | 3 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| La139 | gΓ(n,l=0) | 7.2 1 | 1.0 4 | | | AreaAnalysis | 69 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| La139 | 2gΓ(n,l=0) | 7.5 -1 | 7.5 -1 | | | AreaAnalysis | 1 | BAP 4 385 | Aug59 | ORL | Harvey. |
| | TOTAL WIDTH | | | | | | | | | | |
| La139 | Γ | 7.3 1 | 7.3 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| La139 | Γ | 7.3 -1 | 1.2 3 | | | AreaAnalysis | 4 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| La139 | Resonance Energy | 7.2 1 | 3.7 4 | | | TimeOfFlight | 102 | GARG 66 | 66 | COL | Garg,J.B. |
| La139 | Resonance Energy | 2.4 2 | 3.3 6 | | | AreaAnalysis | 38 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| La139 | Resonance Energy | 7.2 1 | 3.1 4 | | | AreaAnalysis* | 166 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| La139 | σ(0) | 7.3 -1 | 1.2 3 | | | AreaAnalysis | 4 | PR 159 1050 | Jul67 | ANL | Shwe,H.+ |
| La139 | Spin of Reson | 1.2 3 | 3.5 3 | | | AreaAnalysis | 5 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| La139 | n-Orbit Ang Mom | 7.2 1 | 1.0 4 | | | AreaAnalysis | 38 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| La139 | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| La139 | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| La139 | Strength Fn(l=0) | 1.0 4 | 1.0 4 | | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| La139 | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| La139 | Strength Fn(l=1) | 1.0 4 | 1.0 4 | | | | 1 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| La139 | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| La140 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | JCP 17 421 | Apr49 | LAS | |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Ce | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint* | 1 | NP A176 545 | Dec71 | BOR | Rigaud,P.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| Ce | Ang Distrib | 3.0 | 6 | 4.5 | 6 | | | CrystalScint | 19 | TNC/A- 65 | Aug65 | TNC | Morgan. |
| Ce | Ang Distrib | 3.0 | 6 | 4.5 | 6 | | H(n,n) | γ-Spectromet | 32 | TNC/A- 65 | Aug65 | TNC | Morgan. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Ce | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ce | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ce | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Ring Geomtry | 5 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| Ce | Ang Distrib | 5.0 | 6 | 1.5 | 6 | | | Ring Geomtry | 3 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Ce | Ang Distrib | 5.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Ce | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Biased Scint | 8 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Ce | Ang Distrib | 1.3 | 6 | 2.2 | 6 | | Absolute | CrystalScint | 531 | PR 131 1644 | Aug63 | STP | Wells. |
| Ce | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| Ce | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | σ(Total) | TimeOfFlight | 26 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | | | |
| Ce | Sigma | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Ce | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| Ce | Ang Distrib | 5.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Ce | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 50 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| Ce | Ang Distrib | 5.0 | 6 | 7.0 | 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| Ce | Sigma | 2.5 | -2 | 2.5 | -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Ce | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| Ce | σ(Coherent) | 7.3 | -2 | 7.3 | -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Ce | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Ce | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| Ce | Scatt Amplitude | 7.3 | -2 | 7.3 | -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Ce | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| Ce | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ce | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ce | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ce | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| Ce | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Shell Trans | 1 | PR 161 1181 | Sep67 | BOS | Chatterjee,A.+ |
| Ce | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 12 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| Ce | Sigma | 5.0 | 3 | 3.2 | 6 | | Absolute | Accelerator | 90 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Ce | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Ce | Sigma | 2.9 | 0 | 3.4 | 1 | | Absolute | TimeOfFlight | 50 | EGELSTAFF 55F | Jun55 | HAR | Egelstaff. |
| Ce | Sigma | 2.9 | 0 | 3.6 | 4 | | Absolute | TimeOfFlight | 192 | EGELSTAFF 56F | Jun56 | HAR | Egelstaff. |
| Ce | Sigma | 5.2 | 3 | 5.6 | 4 | | Absolute | Accelerator | 86 | PR 102 1580 | Jun56 | DKE | Newson. |
| Ce | Sigma | 1.3 | 7 | 1.6 | 7 | | | Accelerator | 3 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Ce | Sigma | 1.8 | 7 | 2.8 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Ce | Sigma | 1.2 | 6 | 1.8 | 6 | | | | 24 | PR 131 1644 | Aug63 | STP | Wells. |
| Ce | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 254 | POSTER 67E | May67 | BNW | Poster. |
| Ce | Sigma | 3.3 | 6 | 5.2 | 6 | | Absolute | Transmission | 67 | ARS 64 63 | Feb68 | JNE | Manero,F. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| Ce | Strength Fn(l=0) | 3.0 | 4 | 3.0 | 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| Ce | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YF 4 1154 | Dec66 | FEI | Salnikov,O.A.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Ce^{136}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 100 169 | Oct55 | ORL | Brosi,A.E.+ |
| $Ce^{136}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Ce^{136}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | BAP 14 495 | Apr69 | GIT | Ranakumar. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Ce^{136}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ce^{136}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Ce^{138}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 79 467 | Aug50 | ISU | Moses. |
| $Ce^{138}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 103 190 | Jul56 | ORL | Ketelle. |
| $Ce^{138}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | AnothA SameZ | Activation | 1 | PR 103 190 | Jul56 | ORL | Ketelle. |
| $Ce^{138}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 128 761 | Oct62 | BNL | Sehgal. |
| $Ce^{138}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | AnothA SameZ | Activation | 1 | PR 128 761 | Oct62 | BNL | Sehgal. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Ce^{138}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ce^{138}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Ce^{140}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | JCP 17 421 | Apr49 | LAS | |
| $Ce^{140}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ce^{140}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Mass Spec | 1 | NSE 20 302 | 64 | ORL | Lantz. |
| $Ce^{140}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| $Ce^{140}$ | Reson Integral | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | |
| $Ce^{140}$ | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Activation | 1 | CJP 46 2473 | Nov68 | ARG | Ricabarra. |
| | γ,EMISSION | | | | | | | | | | |
| $Ce^{140}$ | Ang Distrib | 1.8 6 | 2.1 6 | | | CrystalScint | 2 | ORO/2791-26 | Aug67 | TNC | |
| | INEL SCATTERING | | | | | | | | | | |
| $Ce^{140}$ | Sigma | 1.6 6 | 2.2 6 | | | CrystalScint | 44 | PR 137B1181 | Mar65 | STP | Tucker. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Ce^{140}$ | Sigma | 1.9 6 | 2.1 6 | | | CrystalScint | 10 | PR 137B1181 | Mar65 | STP | Tucker. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Ce^{140}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ce^{140}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Ce^{140}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Ce^{140}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Ce^{140}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Ce^{140}$ | Sigma | 1.3 7 | 1.7 7 | | H(n,n) | Activation | 19 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 88 349 | Nov66 | MUA | Rama Prasad,P.+ |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 2 | PR 156 1340 | Apr67 | TAM | Menon. |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | $Pr^{141}$ | Activation * | 1 | AHP 24 233 | Jul68 | DEB | Csikai,J.+ |
| $Ce^{140}$ | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation * | 10 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Ce^{140}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | BAP 14 495 | Apr69 | GIT | Ranakumar. |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 1 | INR-1054 | May69 | IBJ | Rurarz,E.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Ce^{140}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Ce^{140}$ | Sigma | 1.3 7 | 1.7 7 | | H(n,n) | Activation | 15 | EANDC/E- 66 42 | Feb66 | HAM | Bormann,M.+ |
| $Ce^{140}$ | Sigma | 1.5 7 | 1.5 7 | | H(n,n) | Diff Sig Int* | 1 | ZP 201 105 | Apr67 | GER | Staudt,G. |
| $Ce^{140}$ | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | * | 4 | ZP 201 105 | Apr67 | GER | Staudt,G. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ce^{140}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ce^{140}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Ce^{140}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Mass Spec | 1 | NSE 20 302 | 64 | ORL | Lantz. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Ce^{140}$ | Level Spacing | 1.0 5 | 1.0 5 | | | TimeOfFlight | 1 | AP 14 346 | 61 | DKE | Newson. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ce^{141}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | NSE 20 302 | 64 | ORL | Lantz. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ce^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | JCP 17 421 | Apr49 | LAS | |
| $Ce^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | CJC 34 1023 | 56 | MCG | Roy.+ |
| $Ce^{142}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Ce^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Ce^{142}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Ce^{142}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Ce^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| $Ce^{142}$ | Sigma | 3.0 6 | 3.0 6 | | $S^{32}$(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Ce^{142}$ | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| $Ce^{142}$ | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Activation | 1 | CJP 46 2473 | Nov68 | ARG | Ricabarra. |
| | γ,EMISSION | | | | | | | | | | |
| $Ce^{142}$ | Ang Distrib | 8.0 5 | 1.8 6 | | | CrystalScint | 13 | ORO/2791-26 | Aug67 | TNC | |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Ce^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ce^{142}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Ce^{142}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Ce^{142}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ce^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Ce^{142}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Ce^{142}$ | Sigma | 1.5 7 | 1.5 7 | | $Pr^{141}$ | Activation * | 1 | AHP 24 233 | Jul68 | DEB | Csikai,J.+ |
| $Ce^{142}$ | Sigma | 1.3 7 | 2.0 7 | | H(n,n) | Activation * | 10 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| $Ce^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Ce^{142}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | BAP 14 495 | Apr69 | GIT | Ranakumar. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ce^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Ce^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Ce^{142}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}$(n,2n) | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| | (n,np) REACTION | | | | | | | | | | |
| $Ce^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 74 632 | 59 | ALD | Barry,J.P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ce^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| $Ce^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Ce^{142}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ce^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Ce^{142}$ | Level Spacing | 1.0 5 | 1.0 5 | | | TimeOfFlight | 1 | AP 14 346 | 61 | DKE | Newson. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ce^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | CJC 34 238 | 56 | MCG | Roy.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ce^{144}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | NSE 13 289 | 62 | ORL | Lantz. |
| $Ce^{144}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Mass Spec | 1 | NSE 13 289 | 62 | ORL | Lantz. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH | | | | | | | | | | | | | |
| $Pr^{139}$ | Γ(γ) | 8.5 | 1 | 8.5 | 1 | | | AreaAnalysis | | 1 | JPR 24 999 | Nov63 | SAC | Bianchi,G.+ |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Pr^{141}$ | Sigma | 2.5 | 6 | 4.0 | 6 | | $I^{127}$ | Activation | | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Pr^{141}$ | Sigma | 2.5 | 6 | 4.0 | 6 | N | $I^{127}$ | Activation | | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Pr^{141}$ | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Pr^{141}$ | Sigma | 2.0 | 4 | 2.0 | 4 | N | $I^{127}$ | Activation | | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Pr^{141}$ | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Pr^{141}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Pr^{141}$ | Sigma | 1.6 | 5 | 2.0 | 6 | | $U^{235}$(n,f) | Activation | | 4 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Pr^{141}$ | Sigma | 1.6 | 5 | 2.0 | 6 | N | $U^{235}$(n,f) | Activation | | 4 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Pr^{141}$ | Sigma | 1.1 | 4 | 6.5 | 7 | | Indium | Scint Tank | | 51 | PR 122 182 | Apr61 | ORL | Gibbons. |
| $Pr^{141}$ | Sigma | 2.2 | 1 | 4.0 | 4 | | | Slowing-Down | | 73 | ZET 46 80 | 63 | LEB | Konks. |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Pr^{141}$ | Sigma | 1.9 | 5 | 2.5 | 6 | | | Activation | | 25 | ANL-7132 31 | 65 | ANL | Stupegia. |
| $Pr^{141}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Pr^{141}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| $Pr^{141}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | σ(E≠E(th)) | Activation | * | 7 | NP A 95 229 A | Mar67 | DEB | Csikai,J.+ |
| $Pr^{141}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | $P^{31}$(n,p) | Activation | * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Pr^{141}$ | Sigma | 1.8 | 6 | 2.5 | 6 | | $U^{235}$(n,f) | Activation | | 5 | JNE 22 267 | May68 | ANL | Stupegia. |
| $Pr^{141}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | Metast/Total | Activation | * | 1 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| $Pr^{141}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | $P^{31}$(n,p) | Activation | * | 2 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| $Pr^{141}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | Absolute | γ-Spectromet | | 3 | NC 29 977 | Aug63 | CAS | Giannini,M.+ |
| | γ,EMISSION | | | | | | | | | | | | | |
| $Pr^{141}$ | Ang Distrib | 1.3 | 6 | 2.2 | 6 | | Iron | Ge(Li)Detect | * | 74 | NP A142 619 | 70 | TUL | Dave,V.R.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 2.3 | 5 | 1.6 | 6 | | | TimeOfFlight | | 8 | NP A124 111 | Feb69 | SAF | Malan. |
| $Pr^{141}$ | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Biased Scint | | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| $Pr^{141}$ | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| $Pr^{141}$ | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | σ(Total) | TimeOfFlight | | 13 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| $Pr^{141}$ | Ang Distrib | 1.5 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | | 65 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| $Pr^{141}$ | Legendre Fit | 2.3 | 5 | 1.6 | 6 | | | TimeOfFlight | | 32 | NP A124 111 | Feb69 | SAF | Malan. |
| $Pr^{141}$ | Legendre Fit | 1.5 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | | 36 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| | ELASTIC+SOME INEL | | | | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Diff Sig Int | | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| $Pr^{141}$ | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | TimeOfFlight | | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| $Pr^{141}$ | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight | | 19 | 68WASH- 755 | Mar68 | VIR | Bernard. |
| | INEL SCATTERING | | | | | | | | | | | | | |
| $Pr^{141}$ | Ang Distrib | 5.0 | 6 | 7.0 | 6 | | H(n,n) | TimeOfFlight | | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| $Pr^{141}$ | Ang Distrib | 1.5 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | | 179 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| $Pr^{141}$ | Legendre Fit | 1.5 | 6 | 3.6 | 6 | | H(n,n) | TimeOfFlight | | 52 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| | (n,n'γ) REACTION | | | | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 1.3 | 6 | 1.9 | 6 | | Iron | Ring Geomtry | | 11 | YF 1 443 | Mar65 | LEB | Bukarev,V.A.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Total | | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Pr^{141}$ | σ(Averaged) | 2.5 | -2 | 2.5 | -2 | | | Total | | 1 | IEA- 75 62 | | BZL | Zimmerman. |
| $Pr^{141}$ | σ(Averaged) | 2.5 | -2 | 2.5 | -2 | | | Total | | 1 | IEA- 86 | Nov63 | BZL | Amaral. |
| | MISC SCATT QUANT | | | | | | | | | | | | | |
| $Pr^{141}$ | σ(Potential) | 2.5 | -2 | 2.5 | -2 | | | Total | | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Pr^{141}$ | σ(Potential) | 1.1 | 3 | 1.1 | 3 | | Absolute | TimeOfFlight | | 1 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Pr^{141}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Pr^{141}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | (n,2n) REACTION | | | | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Pr^{141}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}$(n,2n) | Activation | | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Pr^{141}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | Copper | Activation | | 1 | BAP 3 337 | Aug58 | ANL | Rayburn. |
| $Pr^{141}$ | Sigma | 1.4 | 7 | 1.4 | 7 | S | $Cu^{63}$(n,2n) | Activation | | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Pr^{141}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | Absolute | Activation | | 6 | PR 118 228 | Apr60 | NRD | |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Pr^{141}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Pr^{141}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | σ(E≠E(th)) | Activation | | 8 | RR/TR/62- 1 | Apr62 | RED | Koehler. |
| $Pr^{141}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Activation | * | 1 | NC 26 1328 | Dec62 | ITY | Cevolani. |
| $Pr^{141}$ | Sigma | 1.2 | 7 | 1.8 | 7 | | | | | 20 | BAP 8 60 | Jan63 | GEO | Rayburn. |
| $Pr^{141}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | CUZZOCREA 65 | 65 | ITY | Cuzzocrea,P. |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | | 1 | PR 156 1340 | Apr67 | TAM | Menon. |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | * | 1 | AHP 24 93 | Apr68 | DEB | Peto,G.+ |
| $Pr^{141}$ | Sigma | 1.3 | 7 | 1.9 | 7 | | H(n,n) | Activation | * | 10 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| | (n,3n) REACTION | | | | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Pr^{141}$ | Sigma | 1.8 | 7 | 2.0 | 7 | | Copper | Activation | * | 6 | NP A118 379 | Oct68 | GEL | Liskien,H. |
| | (n,p) REACTION | | | | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | * | 1 | AHP 24 233 | Jul68 | DEB | Csikai,J.+ |
| | (n,2p) REACTION | | | | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,t) REACTION | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 1.5 7 | 1.5 7 | | $Pr^{141}$ | Activation * | 1 | AHP 24 233 | Jul68 | DEB | Csikai,J.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 2 | NP 54 17 | May64 | RBZ | Kulisic,P.+ |
| $Pr^{141}$ | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | NP 54 17 | May64 | YUG | Kulisic,P.+ |
| $Pr^{141}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Count Telesc | 5 | NP 54 17 | May64 | RBZ | Kulisic,P.+ |
| $Pr^{141}$ | Ang Distrib | 1.5 7 | 1.5 7 | | Absolute | Solidstate C* | 6 | NP A149 513 | Jul70 | TIT | Kitazawa,H. |
| $Pr^{141}$ | (θ,E)-Distrib | 1.5 7 | 1.5 7 | | Absolute | Solidstate C | 12 | NP A149 513 | Jul70 | TIT | Kitazawa,H. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Pr^{141}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | AERE/R-2333 57 | | HAR | Cummins. |
| $Pr^{141}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | KAPL-2000 12 | Dec60 | KAP | Pehr. |
| $Pr^{141}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | IEA- 75 62 | | BZL | Zimmerman. |
| $Pr^{141}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | IEA- 86 | Nov63 | BZL | Amaral. |
| $Pr^{141}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | BAP 10 12 | Jan65 | KAP | Hickman. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pr^{141}$ | Sigma | 5.0 4 | 3.2 6 | | Absolute | Accelerator | 79 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| $Pr^{141}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $Pr^{141}$ | Sigma | 4.6 0 | 2.8 4 | | Absolute | TimeOfFlight | 223 | 55GENEVA/ 4- 22 | Aug55 | CCP | Vladimirski. |
| $Pr^{141}$ | Sigma | 8.0 2 | 2.4 4 | | Absolute | TimeOfFlight | 18 | EGELSTAFF 56P | Jun56 | HAR | Egelstaff. |
| $Pr^{141}$ | Sigma | 1.5 -2 | 4.6 -1 | | Absolute | Crystal Spec | 19 | IEA- 75 62 | | BZL | Zimmerman. |
| $Pr^{141}$ | Sigma | 1.7 -3 | 9.7 -1 | | | | 33 | IEA- 86 | Nov63 | BZL | Amaral. |
| $Pr^{141}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | BAP 10 12 | Jan65 | KAP | Hickman. |
| $Pr^{141}$ | Sigma | 3.4 2 | 3.0 5 | | Absolute | TimeOfFlight | 5856 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Pr^{141}$ | Sigma | 3.4 2 | 6.7 5 | P | Absolute | TimeOfFlight | 14997 | PR 137B 547 | Feb65 | COL | Garg,J.B.+ |
| $Pr^{141}$ | Sigma | 5.5 1 | 3.5 2 | | Absolute | TimeOfFlight | 4191 | BAP 10 514 | Apr65 | COL | Wynchank,S.A.R.+ |
| $Pr^{141}$ | Sigma | 6.1 0 | 4.0 3 | P | Absolute | TimeOfFlight | 12187 | BAP 10 514 | Apr65 | COL | Wynchank,S.A.R.+ |
| $Pr^{141}$ | Sigma | 2.9 -2 | 1.6 -1 | | Absolute | Crystal Spec | 6 | HICKMAN 66P | Jun66 | KAP | Hickman. |
| $Pr^{141}$ | Sigma | 1.7 -2 | 8.3 0 | | Absolute | TimeOfFlight | 150 | HICKMAN 66P | Jun66 | KAP | Hickman. |
| $Pr^{141}$ | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 246 | FOSTER 67E | May67 | RNW | Foster. |
| $Pr^{141}$ | Sigma | 4.5 6 | 7.5 6 | | Absolute | Accelerator | 60 | PR 158 1142 | Jun67 | WIS | Carlson. |
| $Pr^{141}$ | Sigma | 4.5 6 | 7.5 6 | S | Absolute | Accelerator | 60 | PR 158 1142 | Jun67 | WIS | Carlson. |
| $Pr^{141}$ | Sigma | 3.3 6 | 6.0 6 | | Absolute | Transmission | 68 | ARS 64 63 | Feb68 | JNE | Manero,F. |
| $Pr^{141}$ | Sigma | 1.2 4 | 2.4 5 | | Absolute | Transmission | 47 | NISHIMURA 71I | Sep71 | JAE | Nishimura,K.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Pr^{141}$ | Γ(γ) | 8.5 1 | 9.3 2 | | | AreaAnalysis | 11 | JPR 22 719 | Oct61 | SAC | Corge. |
| $Pr^{141}$ | Γ(γ) | 8.5 1 | 3.8 2 | | Absolute | TimeOfFlight | 2 | JPR 24 999 | Nov63 | SAC | Bianchi,G.+ |
| $Pr^{141}$ | Γ(γ) | 8.5 1 | 9.4 2 | | | AreaAnalysis | 10 | ZET 47 43 | 64 | DUB | Wang. |
| $Pr^{141}$ | Γ(γ) | 8.5 1 | 1.5 3 | | | Shape Analys | 8 | JULIEN 66 | 66 | SAC | Julien. |
| | n-WIDTH | | | | | | | | | | |
| $Pr^{141}$ | Γ(n) | 5.2 2 | 5.7 3 | | | AreaAnalysis | 20 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Pr^{141}$ | gΓ(n) | 5.2 2 | 5.7 3 | | | AreaAnalysis | 68 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Pr^{141}$ | 2gΓ(n) | 8.5 1 | 1.8 3 | | | AreaAnalysis | 10 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Pr^{141}$ | 2gΓ(n) | 8.5 1 | 3.8 2 | | Absolute | TimeOfFlight | 2 | JPR 24 999 | Nov63 | SAC | Bianchi,G.+ |
| $Pr^{141}$ | 2gΓ(n) | 5.0 1 | 9.4 2 | | | AreaAnalysis | 14 | ZET 47 43 | 64 | DUB | Wang. |
| $Pr^{141}$ | 2gΓ(n) | 8.5 1 | 5.7 3 | | | Shape Analys | 45 | JULIEN 66 | 66 | SAC | Julien. |
| $Pr^{141}$ | Γ(n,l=0) | 2.2 2 | 3.8 3 | | | Shape Analys | 18 | JULIEN 66 | 66 | SAC | Julien. |
| $Pr^{141}$ | gΓ(n,l=0) | 4.1 2 | 5.7 3 | | | AreaAnalysis | 64 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Pr^{141}$ | 2gΓ(n,l=0) | 8.5 1 | 1.8 3 | | | AreaAnalysis | 10 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Pr^{141}$ | 2gΓ(n,l=0) | 5.0 1 | 9.4 2 | | | AreaAnalysis | 14 | ZET 47 43 | 64 | DUB | Wang. |
| $Pr^{141}$ | 2gΓ(n,l=0) | 8.5 1 | 5.7 3 | | | Shape Analys | 44 | JULIEN 66 | 66 | SAC | Julien. |
| $Pr^{141}$ | 2gΓ(n,l=0) | 8.5 1 | 1.0 4 | | | AreaAnalysis | 125 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Pr^{141}$ | Γ | 8.5 1 | 3.8 3 | | | Shape Analys | 19 | JULIEN 66 | 66 | SAC | Julien. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Pr^{141}$ | Resonance Energy | 9.8 2 | 2.9 3 | | | TimeOfFlight | 19 | CR 253 859 | Jun61 | SAC | Corge,C.+ |
| $Pr^{141}$ | Resonance Energy | 8.5 1 | 1.4 3 | | | | 21 | WASH-1048 71 | Jun64 | RPI | Block,R.C. |
| $Pr^{141}$ | Resonance Energy | 1.5 3 | 1.9 3 | | | TimeOfFlight | 5 | WASH-1048 71 | Jun64 | RPI | Block,R.C. |
| $Pr^{141}$ | Resonance Energy | 4.1 2 | 5.7 3 | | | AreaAnalysis* | 73 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Pr^{141}$ | Spin of Reson | 2.2 2 | 9.4 2 | | | AreaAnalysis | 6 | ZET 47 43 | 64 | DUB | Wang. |
| $Pr^{141}$ | Spin of Reson | 2.2 2 | 5.7 3 | | | Shape Analys | 23 | JULIEN 66 | 66 | SAC | Julien. |
| $Pr^{141}$ | Spin of Reson | 2.2 2 | 4.0 3 | | | AreaAnalysis | 21 | PR 166 1234 | Feb68 | COL | Wynchank. |
| $Pr^{141}$ | n-Orbit Ang Mom | 5.2 2 | 5.7 3 | | | AreaAnalysis | 34 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Pr^{141}$ | Strength Fn(l=0) | 1.0 3 | 5.7 3 | | | AreaAnalysis | 4 | INDC-156 P.64 | Oct66 | SAC | Julien,J.+ |
| $Pr^{141}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Pr^{141}$ | Strength Fn(l=0) | 1.0 3 | 7.5 3 | | | Holograph | 6 | PR 166 1234 | Feb68 | COL | Wynchank. |
| $Pr^{141}$ | Strength Fn(l=0) | 5.7 3 | 5.7 3 | | | | 2 | NP A123 561 | Jan69 | SAC | Morgenstern,J.+ |
| $Pr^{141}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Pr^{141}$ | Level Spacing | 5.0 3 | 5.0 3 | | | TimeOfFlight | 1 | PR 166 1234 | Feb68 | COL | Wynchank. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pr^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | JCP 23 2108 | Nov55 | MTR | Smith. |
| $Pr^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PL B 24 400 | Apr67 | ETH | Kern,J.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pr^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | CJP 37 907 | 59 | CR | Roy. |
| $Pr^{143}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | CJP 37 907 | 59 | CR | Roy. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Nd | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Nd | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 4 | NC 29 977 | Aug63 | CAS | Giannini,M.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Nd | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | ELASTIC+SCME INEL | | | | | | | | | | |
| Nd | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Nd | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Nd | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Nd | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Nd | σ(Potential) | 4.5 1 | 4.5 1 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| Nd | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| Nd | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Nd | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Nd | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Nd | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Nd | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | JPR 13 171 | Mar52 | PAR | Ailloud. |
| Nd | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Nd | Sigma | 5.0 4 | 2.9 6 | | Absolute | Accelerator | 23 | PR 93 461 | Feb54 | WIS | Okazaki. |
| Nd | Sigma | 4.6 0 | 2.8 4 | | Absolute | TimeOfFlight | 223 | 55GENEVA/ 4- 22 | Aug55 | CCP | Vladimirski. |
| Nd | Sigma | 4.1 1 | 4.5 1 | | Absolute | TimeOfFlight | 11 | PILCHER 55I | Sep55 | BNL | Pilcher. |
| Nd | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 3 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Nd | Sigma | 9.6 -1 | 1.3 4 | | Absolute | TimeOfFlight | 448 | SIMPSON 58C | Mar58 | MTR | Simpson. |
| Nd | Sigma | 5.2 -1 | 9.0 1 | | | TimeOfFlight | 40 | PR 110 692 | May58 | BNL | Seth. |
| Nd | Sigma | 3.0 3 | 2.9 5 | | Absolute | Accelerator | 62 | BILPUCH 59I | Sep59 | DKE | Bilpuch. |
| Nd | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Nd | Sigma | 2.0 3 | 6.4 5 | | Absolute | Accelerator | 103 | PL 16 306 | Jun65 | DKE | Seth. |
| Nd | Sigma | 2.4 6 | 1.5 7 | | Absolute | TimeOfFlight | 244 | FOSTER 67E | May67 | BNW | Foster. |
| | AVERAGED PARAM | | | | | | | | | | |
| Nd | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Nd | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Nd^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec * | 2 | JIN 30 897 | 68 | HAR | Cabell,M.J.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Nd^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Nd^{142}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Nd^{142}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Nd^{142}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Nd^{142}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Nd^{142}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | BAP 4 288 | Apr59 | ANL | Rayburn. |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Nd^{142}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | PR 139B1525 | Sep65 | REN | Broadhead. |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 142 725 | Feb66 | RED | Grisson,J.T.+ |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 2 | PR 156 1340 | Apr67 | TAM | Menon. |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Nd^{142}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 3 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 1 | INR-1054 | May69 | IBJ | Rurarz,E.+ |
| $Nd^{142}$ | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation * | 10 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 2 | PR 118 242 | Apr60 | ARK | Willie. |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 142 725 | Feb66 | RED | Grisson,J.T.+ |
| $Nd^{142}$ | Sigma | 1.5 7 | 1.5 7 | | H(n,n) | Diff Sig Int* | 1 | ZP 201 105 | Apr67 | GER | Staudt,G. |
| $Nd^{142}$ | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | * | 4 | ZP 201 105 | Apr67 | GER | Staudt,G. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Nd^{142}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{142}$ | Sigma | 2.5 4 | 2.5 4 | | | Mass Spec | 1 | AERE/R-5520 | Jul67 | HAR | Cabell,M.J.+ |
| $Nd^{142}$ | Sigma | 2.5 4 | 2.5 4 | C | | Mass Spec | 1 | AERE/R-5520 | Jul67 | HAR | Cabell,M.J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Nd^{142}$ | Sigma | 1.0 2 | 3.2 4 | | Absolute | TimeOfFlight* | 10461 | TELLIER 72B | Feb72 | SAC | Tellier,H. |
| | n-WIDTH | | | | | | | | | | |
| $Nd^{142}$ | Γ(n) | 1.7 3 | 1.0 4 | | | AreaAnalysis | 7 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{142}$ | 2gΓ(n) | 2.2 2 | 3.1 4 | | | Shape Analys* | 37 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{142}$ | Γ(n,l=0) | 1.7 3 | 1.0 4 | | | AreaAnalysis | 7 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{142}$ | 2gΓ(n,l=0) | 2.2 2 | 3.1 4 | | | Shape Analys* | 37 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Nd^{142}$ | Resonance Energy | 2.2 2 | 3.1 4 | | | Shape Analys* | 37 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{142}$ | Spin of Reson | 2.2 2 | 3.1 4 | | | Shape Analys* | 37 | TELLIER 71J | Oct71 | SAC | Tellier,H. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | |
| $Nd^{142}$ | Strength Fn(l=0) | 3.1 4 | 3.1 4 | | Absolute | Shape Analys* | 1 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec * | 3 | JIN 30 897 | 68 | HAR | Cabell,M.J.+ |
| $Nd^{143}$ | Spectrum | 4.8 -2 | 4.8 -2 | | Ratio | Ge(Li)Detect | 16 | PHY 38 48 | Mar68 | RCN | Reddingius,E.R.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JNE 7 199 | Sep58 | HAR | Hay,H.J. |
| | (n,p) REACTION | | | | | | | | | | |
| $Nd^{143}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Solidstate C | 1 | PL 1 289 | Jul62 | ISL | Cheifetz. |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 3 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Li^{6}$(n,a) | | 3 | NP A141 193 | Jan70 | JAE | Okamoto,K. |
| | (n,γ alpha) REACT | | | | | | | | | | |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Solidstate C | 1 | PL B 26 662 | Apr68 | MCM | Oakey. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 76 300 | Jul49 | ANL | Hess. |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 90 447 | May53 | MCM | Walker. |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | AERE/R-2333 | 57 | HAR | Cummins. |
| $Nd^{143}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | JNE 7 199 | Sep58 | HAR | Hay,H.J. |
| $Nd^{143}$ | Sigma | 2.5 4 | 2.5 4 | | | Mass Spec | 1 | AERE/R-5520 | Jul67 | HAR | Cabell,M.J.+ |
| $Nd^{143}$ | Sigma | 2.5 4 | 2.5 4 | C | | Mass Spec | 2 | AERE/R-5520 | Jul67 | HAR | Cabell,M.J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Nd^{143}$ | Sigma | 6.5 1 | 3.0 4 | | Absolute | TimeOfFlight* | 11154 | TELLIER 72B | Feb72 | SAC | Tellier,H. |
| | γ-WIDTH | | | | | | | | | | |
| $Nd^{143}$ | Γ(γ) | 5.6 1 | 5.6 1 | | | AreaAnalysis | 1 | STOLOVY 56 | 56 | BNL | Stolovy. |
| $Nd^{143}$ | Γ(γ) | -6.0 0 | -6.0 0 | | | Shape Analys | 1 | JNE 7 199 | Sep58 | HAR | Hay,H.J. |
| $Nd^{143}$ | Γ(γ) | 5.5 1 | 1.3 2 | | Absolute | TimeOfFlight | 2 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{143}$ | Γ(γ) | 5.5 1 | 7.7 2 | | | AreaAnalysis | 11 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{143}$ | <Γ(γ)> | 7.0 2 | 7.0 2 | | Absolute | Shape Analys* | 1 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | n-WIDTH | | | | | | | | | | |
| $Nd^{143}$ | 2gΓ(n) | 5.6 1 | 5.6 1 | | | AreaAnalysis | 1 | STOLOVY 56 | 56 | BNL | Stolovy. |
| $Nd^{143}$ | 2gΓ(n) | 5.5 1 | 1.3 2 | | Absolute | TimeOfFlight | 2 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{143}$ | 2gΓ(n) | 5.5 1 | 5.2 4 | | | AreaAnalysis | 23 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{143}$ | 2gΓ(n) | 5.5 1 | 5.5 3 | | | Shape Analys* | 109 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{143}$ | 2gΓ(n,l=0) | 5.6 1 | 5.6 1 | | | AreaAnalysis | 1 | STOLOVY 56 | 56 | BNL | Stolovy. |
| $Nd^{143}$ | 2gΓ(n,l=0) | -6.0 0 | -6.0 0 | | | Shape Analys | 1 | JNE 7 199 | Sep58 | HAR | Hay,H.J. |
| $Nd^{143}$ | 2gΓ(n,l=0) | 5.5 1 | 1.3 2 | | | TimeOfFlight | 2 | EANDC/E- 49 52 | Oct63 | SAC | Bianchi,G.+ |
| $Nd^{143}$ | 2gΓ(n,l=0) | 5.5 1 | 1.3 2 | | Absolute | TimeOfFlight | 2 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{143}$ | 2gΓ(n,l=0) | 5.5 1 | 8.4 2 | | | AreaAnalysis | 23 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{143}$ | 2gΓ(n,l=0) | 5.5 1 | 5.5 3 | | | Shape Analys* | 109 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | alpha-WIDTH | | | | | | | | | | |
| $Nd^{143}$ | Γ(alpha) | 5.5 1 | 4.1 2 | | | AreaAnalysis | 7 | E/3-3029 | 66 | DUB | |
| | TOTAL WIDTH | | | | | | | | | | |
| $Nd^{143}$ | Γ | 5.5 1 | 1.3 2 | | Absolute | TimeOfFlight | 2 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{143}$ | Γ | 1.3 2 | 1.9 2 | | | AreaAnalysis | 3 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{143}$ | Γ | 5.5 1 | 1.7 3 | | | Shape Analys* | 26 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Nd^{143}$ | Resonance Energy | 1.3 2 | 1.9 2 | | | AreaAnalysis | 5 | STOLOVY 56 | 56 | BNL | Stolovy. |
| $Nd^{143}$ | Resonance Energy | 5.6 1 | 1.3 2 | | | TimeOfFlight | 2 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Nd^{143}$ | Resonance Energy | 5.6 1 | 1.9 2 | | | CaptureGamma | 8 | BAP 7 288 | Apr62 | SAC | Amram. |
| $Nd^{143}$ | Resonance Energy | 5.6 1 | 1.3 2 | | | CaptureGamma | 2 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Nd^{143}$ | Resonance Energy | 5.5 1 | 5.5 3 | | | Shape Analys* | 109 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{143}$ | σ(0) | 5.5 1 | 1.3 2 | | | TimeOfFlight | 2 | EANDC/E- 49 52 | Oct63 | SAC | Bianchi,G.+ |
| $Nd^{143}$ | σ(0) | 5.5 1 | 1.3 2 | | Absolute | TimeOfFlight | 2 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{143}$ | Spin of Reson | 1.4 2 | 1.9 2 | | | CaptureGamma | 3 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Nd^{143}$ | Spin of Reson | 1.3 2 | 1.3 2 | | Absolute | TimeOfFlight | 1 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{143}$ | Spin of Reson | 5.5 1 | 4.1 2 | | | AreaAnalysis | 6 | E/3-3029 | 66 | DUB | |
| | AVERAGED PARAM | | | | | | | | | | |
| $Nd^{143}$ | Strength Fn(l=0) | 7.4 2 | 7.4 2 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Nd^{143}$ | Strength Fn(l=0) | 6.6 2 | 5.5 3 | | Absolute | Shape Analys* | 3 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Nd^{144}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec * | 2 | JIN 30 897 | 68 | HAR | Cabell,M.J.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Nd^{144}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Nd^{144}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Nd^{144}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Nd^{144}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Nd^{144}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Nd^{144}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{144}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{144}$ | Sigma | 2.5 4 | 2.5 4 | C | | Mass Spec | 1 | AERE/R-5520 | Jul67 | HAR | Cabell,M.J.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Nd^{144}$ | Sigma | 9.0 | 1 | 3.0 | 4 | | Absolute | TimeOfFlight* | 9538 | TELLIER 72B | Feb72 | SAC | Tellier,H. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Nd^{144}$ | Γ(γ) | 7.4 | 2 | 1.6 | 3 | | | AreaAnalysis | 2 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{144}$ | Γ(γ) | 7.3 | 2 | 7.3 | 2 | | | Shape Analys* | 1 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | n-WIDTH | | | | | | | | | | | | |
| $Nd^{144}$ | Γ(n) | 1.1 | 1 | 9.9 | 3 | | | AreaAnalysis | 18 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{144}$ | 2gΓ(n) | 3.7 | 2 | 1.9 | 4 | | | Shape Analys* | 35 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{144}$ | Γ(n,l=0) | 1.1 | 1 | 9.9 | 3 | | | AreaAnalysis | 18 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{144}$ | 2gΓ(n,l=0) | 3.7 | 2 | 1.9 | 4 | | | Shape Analys* | 35 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Nd^{144}$ | Γ | 3.7 | 2 | 2.0 | 3 | | | Shape Analys* | 5 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Nd^{144}$ | Resonance Energy | 3.7 | 2 | 1.9 | 4 | | | Shape Analys* | 35 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{144}$ | Spin of Reson | 3.7 | 2 | 1.9 | 4 | | | Shape Analys* | 35 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Nd^{144}$ | Strength Fn(l=0) | 1.9 | 4 | 1.9 | 4 | | Absolute | Shape Analys* | 1 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Nd^{145}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Mass Spec * | 3 | JIN 30 897 | 68 | HAR | Cabell,M.J.+ |
| $Nd^{145}$ | Spectrum | 4.8 | -2 | 4.8 | -2 | | Ratio | Ge(Li)Detect | 16 | PHY 38 48 | Mar68 | RCN | Reddingius,E.R.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Nd^{145}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Solidstate C | 1 | PL 1 289 | Jul62 | ISL | Cheifetz. |
| $Nd^{145}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Li^{6}$(n,a) | | 2 | NP A141 193 | Jan70 | JAE | Okamoto,K. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Nd^{145}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Mass Spec | 1 | PR 76 300 | Jul49 | ANL | Hess. |
| $Nd^{145}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{145}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{145}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Mass Spec | 1 | PR 90 447 | May53 | MCM | Walker. |
| $Nd^{145}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Total | 1 | NRDC-103 | 58 | HAR | Hay.+ |
| $Nd^{145}$ | Sigma | 2.5 | 4 | 2.5 | 4 | C | | Mass Spec | 1 | AERE/R-5520 | Jul67 | HAR | Cabell,M.J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Nd^{145}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Total | 1 | NRDC-103 | 58 | HAR | Hay.+ |
| $Nd^{145}$ | Sigma | 3.0 | 1 | 3.0 | 4 | | Absolute | TimeOfFlight* | 13021 | TELLIER 72B | Feb72 | SAC | Tellier,H. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Nd^{145}$ | Γ(γ) | 4.4 | 0 | 4.4 | 0 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Nd^{145}$ | Γ(γ) | 4.3 | 0 | 1.0 | 2 | | Absolute | TimeOfFlight | 4 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{145}$ | Γ(γ) | 2.4 | 2 | 6.4 | 2 | | | AreaAnalysis | 11 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{145}$ | <Γ(γ)> | 4.0 | 2 | 4.0 | 2 | | Absolute | Shape Analys* | 1 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | n-WIDTH | | | | | | | | | | | | |
| $Nd^{145}$ | Γ(n) | 4.4 | 0 | 4.4 | 0 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Nd^{145}$ | 2gΓ(n) | 4.3 | 0 | 1.0 | 2 | | Absolute | TimeOfFlight | 4 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{145}$ | 2gΓ(n) | 6.3 | 1 | 1.0 | 3 | | | AreaAnalysis | 47 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{145}$ | 2gΓ(n) | 4.3 | 1 | 4.6 | 3 | | | Shape Analys* | 179 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{145}$ | 2gΓ(n,l=0) | 4.3 | 0 | 1.0 | 2 | | Absolute | TimeOfFlight | 4 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{145}$ | 2gΓ(n,l=0) | 4.3 | 1 | 1.0 | 3 | | | AreaAnalysis | 48 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{145}$ | 2gΓ(n,l=0) | 4.3 | 1 | 4.6 | 3 | | | Shape Analys* | 179 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Nd^{145}$ | Γ | 4.4 | 0 | 4.4 | 0 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Nd^{145}$ | Γ | 4.3 | 0 | 1.0 | 2 | | Absolute | TimeOfFlight | 4 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{145}$ | Γ | 4.3 | 1 | 5.4 | 2 | | | AreaAnalysis | 4 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{145}$ | Γ | 4.3 | 1 | 2.3 | 3 | | | Shape Analys* | 62 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Nd^{145}$ | Resonance Energy | 4.3 | 1 | 4.3 | 1 | | | TimeOfFlight | 1 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Nd^{145}$ | Resonance Energy | 4.4 | 0 | 1.5 | 2 | | | CaptureGamma | 5 | BAP 7 288 | Apr62 | SAC | Amram. |
| $Nd^{145}$ | Resonance Energy | 4.3 | 1 | 4.3 | 1 | | | CaptureGamma | 1 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Nd^{145}$ | Resonance Energy | 4.3 | 1 | 4.6 | 3 | | | Shape Analys* | 179 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{145}$ | σ(0) | 4.3 | 0 | 1.0 | 2 | | | TimeOfFlight | 4 | EANDC/E- 49 52 | Oct63 | SAC | Bianchi,G.+ |
| $Nd^{145}$ | σ(0) | 4.3 | 0 | 1.0 | 2 | | Absolute | TimeOfFlight | 4 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| $Nd^{145}$ | Spin of Reson | 4.4 | 0 | 1.0 | 2 | | | CaptureGamma | 4 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Nd^{145}$ | Spin of Reson | 4.3 | 1 | 1.0 | 2 | | Absolute | TimeOfFlight | 3 | JPR 24 997 | Nov63 | SAC | Bianchi,G.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Nd^{145}$ | Strength Fn(l=0) | 7.4 | 2 | 7.4 | 2 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Nd^{145}$ | Strength Fn(l=0) | 4.0 | 2 | 4.6 | 3 | | Absolute | Shape Analys* | 3 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Nd^{146}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| $Nd^{146}$ | Reson Integral | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| $Nd^{146}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| $Nd^{146}$ | σ(Potential) | 2.5 | -2 | 2.5 | -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Nd^{146}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Nd^{146}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Nd^{146}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Nd^{146}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{146}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Nd^{146}$ | Sigma | 3.0 | 1 | 3.0 | 4 | | Absolute | TimeOfFlight* | 13176 | TELLIER 72B | Feb72 | SAC | Tellier,H. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Nd^{146}$ | Γ(γ) | 3.6 | 2 | 8.1 | 2 | | | AreaAnalysis | 2 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{146}$ | Γ(γ) | 3.6 | 2 | 3.2 | 3 | | | Shape Analys* | 2 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | n-WIDTH | | | | | | | | | | | | |
| $Nd^{146}$ | Γ(n) | 3.6 | 2 | 6.7 | 3 | | | AreaAnalysis | 14 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{146}$ | 2gΓ(n) | 3.6 | 2 | 1.7 | 4 | | | Shape Analys* | 44 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{146}$ | Γ(n,l=0) | 3.6 | 2 | 6.7 | 3 | | | AreaAnalysis | 14 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{146}$ | 2gΓ(n,l=0) | 3.6 | 2 | 1.7 | 4 | | | Shape Analys* | 44 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Nd^{146}$ | Γ | 8.1 | 2 | 8.1 | 2 | | | AreaAnalysis | 1 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{146}$ | Γ | 3.6 | 2 | 3.2 | 3 | | | Shape Analys* | 2 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Nd^{146}$ | Resonance Energy | 3.6 | 2 | 3.1 | 4 | | | Shape Analys* | 69 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{146}$ | Spin of Reson | 3.6 | 2 | 3.1 | 4 | | | Shape Analys* | 69 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Nd^{146}$ | Strength Fn(l=0) | 1.8 | 4 | 1.8 | 4 | | Absolute | Shape Analys* | 1 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Nd^{148}$ | Sigma | 1.7 | 5 | 2.5 | 6 | | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Nd^{148}$ | Sigma | 1.7 | 5 | 2.5 | 6 | N | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Nd^{148}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 2 | ANS 7 270 | Nov64 | GEV | Ruiz. |
| $Nd^{148}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| $Nd^{148}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Nd^{148}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 1 | ANS 7 270 | Nov64 | GEV | Ruiz. |
| $Nd^{148}$ | Reson Integral | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Nd^{148}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Nd^{148}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Nd^{148}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | (n,$He^3$) REACTION | | | | | | | | | | | | |
| $Nd^{148}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Nd^{148}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Nd^{148}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{148}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Nd^{148}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Mass Spec | 1 | PR 90 447 | May53 | MCM | Walker. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Nd^{148}$ | Sigma | 4.0 | 1 | 1.1 | 4 | | Absolute | TimeOfFlight* | 12077 | TELLIER 72B | Feb72 | SAC | Tellier,H. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Nd^{148}$ | Γ(γ) | 1.5 | 2 | 1.2 | 3 | | | AreaAnalysis | 5 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{148}$ | Γ(γ) | 1.6 | 2 | 1.2 | 3 | | | Shape Analys* | 6 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | n-WIDTH | | | | | | | | | | | | |
| $Nd^{148}$ | Γ(n) | 1.5 | 2 | 7.8 | 9 | | | AreaAnalysis | 24 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{148}$ | 2gΓ(n) | 9.5 | 1 | 1.2 | 4 | | | Shape Analys* | 67 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{148}$ | Γ(n,l=0) | 1.5 | 2 | 8.8 | 3 | | | AreaAnalysis | 24 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| $Nd^{148}$ | 2gΓ(n,l=0) | 9.5 | 1 | 1.2 | 4 | | | Shape Analys* | 67 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Nd^{148}$ | Γ | 1.6 | 2 | 1.2 | 3 | | | Shape Analys* | 6 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Nd^{148}$ | Resonance Energy | 9.5 | 1 | 2.3 | 4 | | | Shape Analys* | 102 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{148}$ | Spin of Reson | 9.5 | 1 | 2.3 | 4 | | | Shape Analys* | 102 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Nd^{148}$ | Strength Fn(l=0) | 1.2 | 4 | 1.2 | 4 | | Absolute | Shape Analys* | 1 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| $Nd^{148}$ | Level Spacing | 2.4 | 4 | 2.4 | 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Nd^{150}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 12 261 | 59 | MUA | Sehgal. |
| $Nd^{150}$ | Sigma | 1.7 | 5 | 2.5 | 6 | | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Nd^{150}$ | Sigma | 1.7 | 5 | 2.5 | 6 | N | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Nd^{150}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| $Nd^{150}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Nd^{150}$ | Reson Integral | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Nd^{150}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Nd^{150}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 156 1340 | Apr67 | TAM | Menon. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Nd^{150}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | | |
| Nd$^{iso}$ | Sigma | 1.8 | 1 | 1.4 | 4 | Absolute | TimeOfFlight* | 15109 | TELLIER 72B | Feb72 | SAC | Tellier,H. |
| | γ-WIDTH | | | | | | | | | | | |
| Nd$^{iso}$ | Γ(γ) | 7.9 | 1 | 1.0 | 3 | | AreaAnalysis | 5 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| Nd$^{iso}$ | Γ(γ) | 7.9 | 1 | 2.6 | 3 | | Shape Analys* | 9 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | n-WIDTH | | | | | | | | | | | |
| Nd$^{iso}$ | Γ(n) | 7.9 | 1 | 3.8 | 3 | | AreaAnalysis | 16 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| Nd$^{iso}$ | 2gΓ(n) | 7.9 | 1 | 1.4 | 4 | | Shape Analys* | 78 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| Nd$^{iso}$ | Γ(n,l=0) | 7.9 | 1 | 3.8 | 3 | | AreaAnalysis | 16 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| Nd$^{iso}$ | 2gΓ(n,l=0) | 7.9 | 1 | 1.4 | 4 | | Shape Analys* | 78 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | TOTAL WIDTH | | | | | | | | | | | |
| Nd$^{iso}$ | Γ | 7.9 | 1 | 7.9 | 1 | | AreaAnalysis | 1 | P/3-3564 | Nov67 | DUB | Karzhavina. |
| Nd$^{iso}$ | Γ | 7.9 | 1 | 2.6 | 3 | | Shape Analys* | 9 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| Nd$^{iso}$ | Resonance Energy | 7.9 | 1 | 2.5 | 4 | | Shape Analys* | 91 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| Nd$^{iso}$ | Spin of Reson | 7.9 | 1 | 2.5 | 4 | | Shape Analys* | 91 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| | AVERAGED PARAM | | | | | | | | | | | |
| Nd$^{iso}$ | Strength Fn(l=0) | 1.4 | 4 | 1.4 | E | Absolute | Shape Analys* | 1 | TELLIER 71J | Oct71 | SAC | Tellier,H. |
| Nd$^{iso}$ | Level Spacing | 2.4 | 4 | 2.4 | E | C | * | 1 | NC B 58 402 A | Dec68 | MUA | Rasan,S.S.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Pm^{146}$ | Sigma | 2.5 -2 | 2.5 -2 | | | γ-Spectromet | 1 | JIN 29 2117 | 67 | ORL | Allen,J.F. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | 60VIENNA- 239 | Oct60 | ORL | Stoughton. |
| $Pm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | NSE 12 519 | 62 | MTR | Schuman. |
| $Pm^{147}$ | Sigma | 2.5 -2 | 1.0 1 | | | Mass Spec | 4 | EANDC/UK- 75 | Nov66 | ALD | Penner,N.C.+ |
| $Pm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation * | 1 | JIN 32 3433 | Nov70 | HAR | Cabell,M.J. |
| $Pm^{147}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | Activation | 2 | 60VIENNA- 239 | Oct60 | ORL | Stoughton. |
| $Pm^{147}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | Activation | 2 | NSE 12 519 | 62 | MTR | Schuman. |
| $Pm^{147}$ | Reson Integral | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation * | 1 | JIN 32 3433 | Nov70 | HAR | Cabell,M.J. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | AE 3 11 | Jul57 | CCP | Gorshkov,V.K.+ |
| $Pm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | 58GENEVA/15-459 | Sep58 | MCM | Bidinosti. |
| $Pm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | 58GENEVA/16-150 | Sep58 | ORL | Harvey. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pm^{147}$ | Sigma | 2.5 6 | 1.5 7 | | Absolute | TimeOfFlight | 229 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | |
| $Pm^{147}$ | Γ(γ) | -1.2 0 | 6.9 0 | | | | 4 | 68WASH- 687 | Mar68 | KAP | Kirouac. |
| $Pm^{147}$ | Γ(γ) | 5.4 0 | 6.9 0 | | | AreaAnalysis | 3 | 68WASH- 687 | Mar68 | KAP | Kirouac. |
| $Pm^{147}$ | Γ(γ) | -1.2 0 | 6.9 0 | | | Shape Analys | 4 | 68WASH- 687 | Mar68 | KAP | Kirouac. |
| | n-WIDTH | | | | | | | | | | |
| $Pm^{147}$ | Γ(n) | 6.6 6 | 2.0 7 | | | AreaAnalysis | 4 | IN-1083 42 | Dec66 | MTR | Codding,J.W.+ |
| $Pm^{147}$ | Γ(n) | 2.9 1 | 4.8 1 | | | | 5 | IN-1126 19(2) | Dec67 | MTR | Codding. |
| $Pm^{147}$ | Γ(n,l=0) | 6.6 6 | 2.0 7 | | | AreaAnalysis | 4 | IN-1083 42 | Dec66 | MTR | Codding,J.W.+ |
| $Pm^{147}$ | Γ(n,l=0) | 2.9 1 | 4.8 1 | | | | 5 | IN-1126 19(2) | Dec67 | MTR | Codding. |
| $Pm^{147}$ | 2gΓ(n,l=0) | -1.2 0 | 1.1 2 | | | | 14 | 68WASH- 687 | Mar68 | KAP | Kirouac. |
| $Pm^{147}$ | 2gΓ(n,l=0) | 5.4 0 | 1.1 2 | | | AreaAnalysis | 13 | 68WASH- 687 | Mar68 | KAP | Kirouac. |
| $Pm^{147}$ | 2gΓ(n,l=0) | -1.2 0 | 6.9 0 | | | Shape Analys | 4 | 68WASH- 687 | Mar68 | KAP | Kirouac. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Pm^{147}$ | Γ | 6.6 6 | 2.0 7 | | | AreaAnalysis | 4 | IN-1083 42 | Dec66 | MTR | Codding,J.W.+ |
| $Pm^{147}$ | Γ | 2.9 1 | 4.8 1 | | | | 5 | IN-1126 19(2) | Dec67 | MTR | Codding. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Pm^{147}$ | Resonance Energy | 1.3 2 | 1.9 2 | | | | 8 | 68WASH- 687 | Mar68 | KAP | Kirouac. |
| $Pm^{147}$ | σ(0) | 6.6 6 | 2.0 7 | | | AreaAnalysis | 4 | IN-1083 42 | Dec66 | MTR | Codding,J.W.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pm^{148}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | NSE 12 519 | 62 | MTR | Schuman. |
| $Pm^{148}$ | Sigma | 2.5 -2 | 1.0 1 | | | Mass Spec | 2 | EANDC/UK- 75 | Nov56 | ALD | Penner,N.C.+ |
| $Pm^{148}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | JPJ 26 576 | Feb69 | TOK | Miyano,K.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Pm^{148}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | JPJ 26 576 | Feb69 | TOK | Miyano,K.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pm^{148}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 2 | PR/CM- 35 102 | 63 | MCM | Mathews. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pm^{148}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | RPI/328- 160 (1) | Mar69 | KAP | Kirouac. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Pm^{148}$ | Γ | 1.7 -1 | 1.7 -1 | | | Shape Analys | 1 | RPI/328- 160 (1) | Mar69 | KAP | Kirouac. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | AE 19 108 | Aug65 | CCP | Kondurov. |
| $Pm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR/APRP/1- 83 | Jun67 | CR | Mowatt. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | | 1 | 68WASH-1291 | Mar68 | CR | Mowatt. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pm^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR/APRP/1- 83 | Jun67 | CR | Mowatt. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pm^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | | 1 | 68WASH-1291 | Mar68 | CR | Mowatt. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Sm | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Sm | Sigma | 9.5 3 | 6.5 7 | | Indium | Scint Tank | 55 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Sm | Sigma | 2.1 2 | 7.8 3 | | | TimeOfFlight | 43 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Sm | Sigma | 2.5 -2 | 2.5 -2 | | | * | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Sm | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Sm | Sigma | 2.5 -2 | 2.5 -2 | C | | Breit-Wigner* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Sm | Sigma | 4.1 -1 | 1.0 0 | | Ratio | TimeOfFlight | 23 | INDC-140 15 | Jun66 | ITE | Kirpichnikov,I. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Sm | Sigma | 3.5 5 | 1.5 6 | | Carbon | TimeOfFlight | 24 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Sm | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 8 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Sm | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 118 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| | ELASTIC+SCME INEL | | | | | | | | | | |
| Sm | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Sm | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Sm | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Sm | σ/σ(Total) | 2.5 -2 | 1.6 -1 | | | Crystal Spec | 15 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Sm | σ(Potential) | 1.0 0 | 1.0 0 | | | | 1 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Sm | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 2 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Sm | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Sm | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Sm | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Mass Spec | 2 | JNE 4 33 | Jan57 | HAR | Aitken,K.L.+ |
| Sm | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Sm | Sigma | 5.0 -3 | 9.5 -1 | | Absolute | Crystal Spec* | 40 | PR 93 195 | Jan54 | KJL | Reynolds,A.W.+ |
| Sm | Sigma | 7.0 4 | 2.9 6 | | Absolute | Accelerator | 46 | PR 93 461 | Feb54 | WIS | Okazaki. |
| Sm | Sigma | 1.4 2 | 2.9 5 | | Absolute | TimeOfFlight | 48 | EGELSTAFF 55P | Jun55 | HAR | Egelstaff. |
| Sm | Sigma | 8.0 2 | 2.4 4 | | Absolute | TimeOfFlight | 18 | EGELSTAFF 56P | Jun56 | HAR | Egelstaff. |
| Sm | Sigma | 1.1 1 | 7.3 2 | | Absolute | TimeOfFlight | 616 | SIMPSON 56G | Jul56 | MTR | Simpson. |
| Sm | Sigma | 1.2 0 | 4.4 3 | | Absolute | TimeOfFlight | 207 | ZIMMERMAN 57D | Apr57 | BNL | Zimmerman. |
| Sm | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 3 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Sm | Sigma | 6.0 -1 | 1.8 1 | | Absolute | TimeOfFlight | 373 | SIMPSON 58C | Mar58 | MTR | Simpson. |
| Sm | Sigma | 1.9 -4 | 2.8 -3 | | | TimeOfFlight | 8 | ADP 7 50 | Jan61 | MUN | Von Hoehne,P. |
| Sm | Sigma | 8.5 -4 | 2.8 -1 | | Absolute | Transmission | 67 | EANDC/J- 1 2 | Jul65 | JAE | Ohno,Y.+ |
| Sm | Sigma | 2.2 6 | 1.5 7 | | Absolute | TimeOfFlight | 254 | POSTER 67E | May67 | BNW | Poster. |
| | γ-WIDTH | | | | | | | | | | |
| Sm | Γ(γ) | 9.7 -2 | 9.7 -2 | | | Breit-Wigner* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Sm | Γ(γ) | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| | n-WIDTH | | | | | | | | | | |
| Sm | Γ(n) | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| Sm | 2agΓ(n) | 4.9 1 | 4.9 1 | | | AreaAnalysis | 1 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| Sm | Γ(n,l=0) | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| Sm | $2g\Gamma^2(n)/\Gamma$ | 9.8 -2 | 1.8 1 | | | | 4 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| Sm | Γ | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| Sm | Γσ(0) | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| Sm | $\Gamma^2\sigma(0)$ | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Sm | Resonance Energy | 5.0 1 | 5.0 1 | | | TimeOfFlight | 1 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| Sm | Resonance Energy | 4.8 1 | 9.3 1 | | | TimeOfFlight | 3 | IDO-16373 39 | 58 | MTR | |
| Sm | Resonance Energy | 9.7 -2 | 9.7 -2 | | | Breit-Wigner* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Sm | Resonance Energy | 2.0 -1 | 1.7 1 | | Absolute | | 4 | NP A 97 657 | May67 | MOL | Poortmans,P.+ |
| Sm | Resonance Energy | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| Sm | σ(0) | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Sm | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sm^{144}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Activation * | 1 | PR 127 943 | Aug62 | HLS | Nurmia,M.+ |
| $Sm^{144}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 197 369 | Jan63 | ORL | Macklin,R.L.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Sm^{144}$ | Sigma | 1.4 7 | 1.4 7 | S | $Cu^{63}(n,2n)$ | Activation | 1 | WASH-1018 2 | Mar59 | ANL | Rayburn. |
| $Sm^{144}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Sm^{144}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 122 168 | Apr61 | ANL | Rayburn,L.A. |
| $Sm^{144}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | PR 129 703 | Jan63 | RED | Alford. |
| $Sm^{144}$ | Sigma | 1.3 7 | 1.8 7 | | | | 13 | BAP 8 121 | Mar63 | GEO | Rayburn. |
| $Sm^{144}$ | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | PR 139B1525 | Sep65 | REN | Broadhead. |
| $Sm^{144}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 3 | PR 156 1340 | Apr67 | TAM | Menon. |
| $Sm^{144}$ | Sigma | 1.4 7 | 1.4 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Sm^{144}$ | Sigma | 1.3 7 | 1.9 7 | | H(n,n) | Activation * | 10 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| $Sm^{144}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 2 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| $Sm^{144}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 1 | INR-1054 | May69 | IBJ | Rurarz,E.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sm^{145}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Activation * | 1 | PR 127 943 | Aug62 | HLS | Nurmia,M.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Sm^{147}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 197 369 | Jan63 | ORL | Macklin,R.L.+ |
| $Sm^{147}$ | Sigma | 2.5 -2 | 1.0 1 | | | Mass Spec | 2 | EANDC/UK- 75 | Nov66 | ALD | Fenner,N.C.+ |
| $Sm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NSE 28 139 | Apr67 | RPI | Forman,L.+ |
| $Sm^{147}$ | Spectrum | 3.4 0 | 3.4 0 | | Arb Units | γ-Spectromet | 6 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Sm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Solidstate C | 2 | PL 1 289 | Jul62 | ISL | Cheifetz. |
| $Sm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Li^{6}$(n,a) | | 2 | NP A141 193 | Jan70 | JAE | Okamoto,K. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | AE 3 11 | Jul57 | CCP | Gorshkov,V.K.+ |
| $Sm^{147}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | JNE 12 32 | 60 | HAR | Tattersall. |
| $Sm^{147}$ | Sigma | 2.4 4 | 2.4 4 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | |
| $Sm^{147}$ | Γ(γ) | 1.8 1 | 3.2 1 | | | AreaAnalysis | 3 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| | n-WIDTH | | | | | | | | | | |
| $Sm^{147}$ | 2gΓ(n) | 3.4 0 | 5.0 1 | | | AreaAnalysis | 7 | PILCHER 56H | Aug56 | BNL | Pilcher. |
| $Sm^{147}$ | 2gΓ(n) | 1.8 1 | 9.9 1 | | | AreaAnalysis | 11 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Sm^{147}$ | 2gΓ(n,l=0) | 1.8 1 | 9.9 1 | | | AreaAnalysis | 11 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Sm^{147}$ | Γ | 3.4 0 | 3.4 0 | | | | 1 | AERE/NP/M- 87 | 58 | HAR | |
| $Sm^{147}$ | Γ | 3.4 0 | 3.4 0 | | | AreaAnalysis | 1 | AE 16 523 | 64 | CCP | Begzhanov,R.B.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Sm^{147}$ | Resonance Energy | 3.4 0 | 1.9 1 | | | TimeOfFlight | 2 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Sm^{147}$ | Resonance Energy | 3.4 0 | 3.4 0 | | | | 1 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| $Sm^{147}$ | Resonance Energy | 1.8 1 | 1.6 2 | | | TimeOfFlight | 14 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| $Sm^{147}$ | Resonance Energy | 1.8 1 | 4.0 1 | | | CaptureGamma | 4 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Sm^{147}$ | σ(0) | 3.4 0 | 3.4 0 | | | | 1 | AERE/NP/M- 87 | 58 | HAR | |
| $Sm^{147}$ | σ(0) | 3.4 0 | 3.4 0 | | | | 1 | AE 16 523 | 64 | CCP | Begzhanov,R.B.+ |
| $Sm^{147}$ | Spin of Reson | 3.4 0 | 2.7 1 | | | | 3 | PL 1 289 | Jul62 | ISL | Cheifetz. |
| $Sm^{147}$ | Spin of Reson | 3.4 0 | 3.0 1 | | | CaptureGamma | 2 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Sm^{147}$ | Spin of Reson | 3.4 0 | 1.8 1 | | Lead | Crystal Spec | 2 | NP 82 331 | Jul66 | MOL | Poortmans,F.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Sm^{147}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Sm^{147}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sm^{148}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 197 369 | Jan63 | ORL | Macklin,R.L.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Sm^{148}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 2 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | 58GENEVA/15-446 | Sep58 | CCP | Anikina. |
| $Sm^{149}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 197 369 | Jan63 | ORL | Macklin,R.L.+ |
| $Sm^{149}$ | Spectrum | 9.6 -2 | 8.9 -1 | | Arb Units | γ-Spectromet | 9 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| $Sm^{149}$ | Spectrum | 9.6 -2 | 8.7 -1 | | | | 12 | INDSWG- 74 6 | Oct65 | CCP | Broder,D.L.+ |
| $Sm^{149}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | | 241 | PR 150 964 | Oct66 | ANL | Smither,R.K. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Solidstate C | 2 | PL 1 289 | Jul62 | ISL | Cheifetz. |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Li^{6}$(n,a) | | 2 | PR 127 1665 | Sep62 | PR | Macfarlane. |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | BAP 10 274 | 65 | MCM | Beg. |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 3 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | BAP 10 724 | Sep65 | MCM | Beg,K.+ |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | NP A 97 187 | Apr67 | POL | Dakowski. |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Li^{6}$(n,a) | | 10 | NP A141 193 | Jan70 | JAE | Okamoto,K. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 79 271 | Jul50 | ANL | Inghram. |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Activation | 1 | CJC 33 830 | 55 | MCM | Melaika. |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | AERE/R-2333 | 57 | HAR | Cummins. |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | JNE 4 33 | Jan57 | HAR | Aitken,K.L.+ |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | AE 3 11 | Jul57 | CCP | Gorshkov,V.K.+ |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | 58GENEVA/15-459 | Sep58 | MCM | Bidinosti. |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | 58GENEVA/16- 45 | Sep58 | HAR | Pattenden. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sm^{149}$ | Sigma | 6.5 -4 | 2.8 -1 | | Absolute | Transmission | 80 | EANDC/J- 1 2 | Jul65 | JAE | Ohno,Y.+ |
| $Sm^{149}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | EANDC/J- 10 1 | Nov68 | JAE | Ohno,Y.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Sm^{149}$ | Γ(γ) | 9.8 -2 | 8.9 0 | | Metast/Grnd | Shape Analys | 4 | PR 109 1219 | Feb58 | BNL | Marshak. |
| $Sm^{149}$ | Γ(γ) | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| | n-WIDTH | | | | | | | | | | |
| $Sm^{149}$ | Γ(n) | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| $Sm^{149}$ | Γ(n) | 9.9 -2 | 9.9 -2 | | | Shape Analys | 1 | JPJ 26 225 | Feb69 | JAE | Asami,T.+ |
| $Sm^{149}$ | 2gΓ(n) | 5.0 0 | 3.4 1 | | | AreaAnalysis | 12 | PILCHER 56H | Aug56 | BNL | Pilcher. |
| $Sm^{149}$ | 2gΓ(n) | 1.2 1 | 9.9 1 | | | AreaAnalysis | 23 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Sm^{149}$ | Γ(n,l=0) | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| $Sm^{149}$ | 2gΓ(n,l=0) | 1.2 1 | 9.9 1 | | | AreaAnalysis | 23 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Sm^{149}$ | 2gΓ(n,l=0) | 8.9 -1 | 1.2 1 | | | AreaAnalysis | 5 | BAP 2 218 | Apr57 | ORL | Harvey,J.A.+ |
| $Sm^{149}$ | 2gΓ(n,l=0) | 9.8 -2 | 8.9 0 | | Metast/Grnd | Shape Analys | 4 | PR 109 1219 | Feb58 | BNL | Marshak. |
| $Sm^{149}$ | 2gΓ(n,l=0) | 9.8 -2 | 9.8 -2 | | | Shape Analys | 1 | 58GENEVA/16- 44 | Sep58 | HAR | Pattenden. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH | | | | | | | | | | |
| $Sm^{149}$ | Γ | 9.6 -2 | 9.6 -2 | | | TimeOfFlight | 1 | PR 70 557 | 46 | USA | Borst. |
| $Sm^{149}$ | Γ | 9.6 -2 | 9.6 -2 | | | TimeOfFlight | 1 | PR 71 757 | Jun47 | ANL | Sturm. |
| $Sm^{149}$ | Γ | 9.6 -2 | 9.6 -2 | | Absolute | Breit-Wigner* | 1 | PR 93 195 | Jan54 | KJL | Reynolds,A.W.+ |
| $Sm^{149}$ | Γ | 9.8 -2 | 8.9 0 | | Metast/Grnd | Shape Analys | 4 | PR 109 1219 | Feb58 | BNL | Marshak. |
| $Sm^{149}$ | Γ | 9.8 -2 | 9.8 -2 | | | Shape Analys | 1 | 58GENEVA/16- 44 | Sep58 | HAR | Pattenden. |
| $Sm^{149}$ | Γ | 8.6 -1 | 8.6 -1 | | | AreaAnalysis | 1 | AE 16 523 | 64 | CCP | Begzhanov,R.B. |
| $Sm^{149}$ | Γ | 9.9 -2 | 9.9 -2 | | | Shape Analys | 1 | JPJ 26 225 | Feb69 | JAE | Asami,T.+ |
| $Sm^{149}$ | $\Gamma^2\sigma(0)$ | 9.8 -2 | 9.8 -2 | | | TimeOfFlight | 1 | PR 96 1014 | Nov54 | BNL | Sailor. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Sm^{149}$ | Resonance Energy | 9.6 -2 | 9.6 -2 | | Absolute | Breit-Wigner* | 1 | PR 93 195 | Jan54 | KJL | Reynolds,A.W.+ |
| $Sm^{149}$ | Resonance Energy | 8.7 -1 | 2.1 1 | | | TimeOfFlight | 9 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Sm^{149}$ | Resonance Energy | 5.0 0 | 1.8 2 | | | TimeOfFlight | 22 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| $Sm^{149}$ | Resonance Energy | 1.2 1 | 1.7 1 | | | TimeOfFlight | 3 | PR 109 1219 | Feb58 | BNL | Marshak. |
| $Sm^{149}$ | Resonance Energy | 6.4 0 | 6.4 0 | | Metast/Grnd | Shape Analys | 1 | PR 109 1219 | Feb58 | BNL | Marshak. |
| $Sm^{149}$ | Resonance Energy | 1.2 1 | 4.5 1 | | | CaptureGamma | 9 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Sm^{149}$ | Resonance Energy | 6.4 0 | 6.4 0 | | | TimeOfFlight | 1 | PR 128 1287 | Nov62 | BNL | Marshak. |
| $Sm^{149}$ | Resonance Energy | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| $Sm^{149}$ | Resonance Energy | 9.9 -2 | 9.9 -2 | | | Shape Analys | 1 | JPJ 26 225 | Feb69 | JAE | Asami,T.+ |
| $Sm^{149}$ | Resonance Energy | 9.8 -2 | 3.4 1 | | | * | 16 | BAP 15 1667 | Dec70 | BNL | Becvar,F.+ |
| $Sm^{149}$ | σ(0) | 9.6 -2 | 9.6 -2 | | | TimeOfFlight | 1 | PR 71 757 | Jun47 | ANL | Sturm. |
| $Sm^{149}$ | σ(0) | 9.6 -2 | 9.6 -2 | | Absolute | Breit-Wigner* | 1 | PR 93 195 | Jan54 | KJL | Reynolds,A.W.+ |
| $Sm^{149}$ | σ(0) | 9.8 -2 | 8.9 0 | | Metast/Grnd | Shape Analys | 4 | PR 109 1219 | Feb58 | BNL | Marshak. |
| $Sm^{149}$ | σ(0) | 9.8 -2 | 9.8 -2 | | | Shape Analys | 1 | 58GENEVA/16- 44 | Sep58 | HAR | Pattenden. |
| $Sm^{149}$ | σ(0) | 8.6 -1 | 4.9 0 | | | AreaAnalysis | 2 | AE 16 523 | 64 | CCP | Begzhanov,R.B.+ |
| $Sm^{149}$ | σ(0) | 9.7 -2 | 8.7 -1 | | | Breit-Wigner | 2 | CNAEM-52 | Jun68 | CNA | Akyuz,O.R.+ |
| $Sm^{149}$ | σ(0) | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | JPJ 26 225 | Feb69 | JAE | Asami,T.+ |
| $Sm^{149}$ | Spin of Reson | 9.6 -2 | 9.6 -2 | | | TimeOfFlight | 1 | PR 70 557 | 46 | USA | Borst. |
| $Sm^{149}$ | Spin of Reson | 9.6 -2 | 9.6 -2 | | | Scattering | 1 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| $Sm^{149}$ | Spin of Reson | 9.4 -2 | 9.4 -2 | | | | 1 | PR 95 105 | Jul54 | ORL | Roberts. |
| $Sm^{149}$ | Spin of Reson | 9.8 -2 | 6.5 0 | | | CaptureGamma | 4 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Sm^{149}$ | Spin of Reson | 0.0 | 0.0 | | | | 1 | PR 127 1665 | Sep62 | BRK | Macfarlane. |
| $Sm^{149}$ | Spin of Reson | 9.8 -2 | 8.9 0 | | | TimeOfFlight | 4 | PR 128 1287 | Nov62 | BNL | Marshak. |
| $Sm^{149}$ | Spin of Reson | 9.8 -2 | 8.7 -1 | | | Crystal Spec | 2 | NP 82 331 | Jul66 | MOL | Poortmans,F.+ |
| $Sm^{149}$ | Spin of Reson | 9.8 -2 | 3.4 1 | | | * | 16 | BAP 15 1667 | Dec70 | BNL | Becvar,F.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Sm^{149}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Sm^{149}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sm^{150}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 197 369 | Jan63 | ORL | Macklin,R.L.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sm^{150}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | JIN 17 6 | Apr61 | HAR | Aitken. |
| | n-WIDTH | | | | | | | | | | |
| $Sm^{150}$ | $2g\Gamma_n$ | 2.1 1 | 2.1 1 | | | AreaAnalysis | 1 | PILCHER 56H | Aug56 | BNL | Pilcher. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Sm^{150}$ | Resonance Energy | 2.0 1 | 4.4 1 | | | TimeOfFlight | 2 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Sm^{150}$ | Resonance Energy | 2.1 1 | 4.7 1 | | | TimeOfFlight | 2 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sm^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Activation | 1 | CJC 33 830 | 55 | MCM | Melaika. |
| $Sm^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | 58GENEVA/15-446 | Sep58 | CCP | Anikina. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sm^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE 17 371 | 63 | ORL | Pattenden. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Sm^{152}$ | Sigma | 2.4 4 | 2.4 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Sm^{152}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Sm^{152}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | JIN 24 749 | 62 | HAR | Cabell. |
| $Sm^{152}$ | Sigma | 3.0 4 | 3.0 4 | | | Moxon-Rae C | 1 | NAT 197 369 | Jan63 | ORL | Macklin,R.L.+ |
| $Sm^{152}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Sm^{152}$ | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Sm^{152}$ | Spectrum | 8.2 0 | 8.2 0 | | Arb Units | γ-Spectromet | 7 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Sm^{152}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Sm^{152}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Sm^{152}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | (n,p) REACTION | | | | | | | | | | |
| $Sm^{152}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Sm^{152}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Sm^{152}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Sm^{152}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | 58GENEVA/16- 45 | Sep58 | HAR | Pattenden. |
| $Sm^{152}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | NSE 12 63 | 62 | BNL | Bernabei,A.+ |
| $Sm^{152}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | JIN 24 749 | 62 | HAR | Cabell. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Sm^{152}$ | Sigma | 1.0 -2 | 7.6 -2 | | Absolute | Crystal Spec | 13 | NRDC-104 | 58 | HAR | Pattenden. |
| $Sm^{152}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | 58GENEVA/16- 45 | Sep58 | HAR | Pattenden. |
| $Sm^{152}$ | Sigma | 7.5 0 | 8.5 0 | | Absolute | Crystal Spec | 24 | NSE 12 63 | 62 | BNL | Bernabei,A.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH | | | | | | | | | | | | |
| $Sm^{152}$ | Γ(γ) | 8.0 | 0 | 8.0 | 0 | | | AreaAnalysis | 1 | SIMPSON 58I | Sep58 | MTR | Simpson. |
| $Sm^{152}$ | Γ(γ) | 8.0 | 0 | 8.0 | 0 | | | Shape Analys | 1 | CJP 39 1193 | 61 | CR | Chrien,R.E. |
| $Sm^{152}$ | Γ(γ) | 8.0 | 0 | 8.0 | 0 | | | Shape Analys | 1 | NSE 12 63 | 62 | BNL | Bernabei,A.+ |
| $Sm^{152}$ | Γ(γ) | 8.1 | 0 | 1.3 | 3 | | | AreaAnalysis* | 9 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | n-WIDTH | | | | | | | | | | | | |
| $Sm^{152}$ | Γ(n) | 8.0 | 0 | 8.0 | 0 | | | AreaAnalysis | 1 | SIMPSON 58I | Sep58 | MTR | Simpson. |
| $Sm^{152}$ | Γ(n) | 8.0 | 0 | 8.0 | 0 | | | Shape Analys | 1 | CJP 39 1193 | 61 | CR | Chrien,R.E. |
| $Sm^{152}$ | Γ(n) | 8.0 | 0 | 8.0 | 0 | | | Shape Analys | 1 | NSE 12 63 | 62 | BNL | Bernabei,A.+ |
| $Sm^{152}$ | Γ(n) | 6.2 | 1 | 1.5 | 3 | | | AreaAnalysis* | 28 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Sm^{152}$ | 2gΓ(n) | 8.0 | 0 | 8.0 | 0 | | | AreaAnalysis | 1 | PILCHER 56H | Aug56 | BNL | Pilcher. |
| $Sm^{152}$ | Γ(n,l=0) | 8.0 | 0 | 8.0 | 0 | | | Shape Analys | 1 | NSE 12 63 | 62 | BNL | Bernabei,A.+ |
| $Sm^{152}$ | Γ(n,l=0) | 6.2 | 1 | 1.5 | 3 | | | AreaAnalysis* | 28 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Sm^{152}$ | $\langle g\Gamma(n,l=0)\rangle$ | 1.5 | 3 | 1.5 | 3 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Sm^{152}$ | Γ | 8.0 | 0 | 8.0 | 0 | | | | 1 | CJP 39 1184 | 61 | CR | Walker. |
| $Sm^{152}$ | Γ | 8.0 | 0 | 8.0 | 0 | | | Shape Analys | 1 | CJP 39 1193 | 61 | CR | Chrien,R.E. |
| $Sm^{152}$ | Γ | 8.0 | 0 | 8.0 | 0 | | | Shape Analys | 1 | NSE 12 63 | 62 | BNL | Bernabei,A.+ |
| $Sm^{152}$ | Γ | 8.1 | 0 | 1.4 | 3 | | | AreaAnalysis* | 24 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Sm^{152}$ | Resonance Energy | 8.7 | 1 | 8.7 | 1 | | | TimeOfFlight | 1 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Sm^{152}$ | Resonance Energy | 8.0 | 0 | 1.7 | 2 | | | TimeOfFlight | 4 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| $Sm^{152}$ | Resonance Energy | 8.1 | 0 | 5.1 | 3 | | | AreaAnalysis* | 91 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Sm^{152}$ | σ(0) | 8.0 | 0 | 8.0 | 0 | | | Shape Analys | 1 | NSE 12 63 | 62 | BNL | Bernabei,A.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Sm^{152}$ | Strength Funct | 1.5 | 3 | 1.5 | 3 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Sm^{152}$ | Level Spacing | 1.5 | 3 | 1.5 | 3 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Sm^{154}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Sm^{154}$ | Sigma | 1.5 | 5 | 6.2 | 6 | | $U^{235}(n,f)$ | Activation | 23 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Sm^{154}$ | Sigma | 1.5 | 5 | 1.0 | 6 | N | $U^{235}(n,f)$ | Activation | 13 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Sm^{154}$ | Sigma | 3.0 | 4 | 3.0 | 4 | | | Moxon-Rae C | 1 | NAT 197 369 | Jan63 | ORL | Macklin,R.L.+ |
| $Sm^{154}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Sm^{154}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | $P^{31}(n,p)$ | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| $Sm^{154}$ | σ(Potential) | 2.5 | -2 | 2.5 | -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Sm^{154}$ | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| $Sm^{154}$ | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Sm^{154}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Sm^{154}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Sm^{154}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Sm^{154}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Sm^{154}$ | Γ(γ) | 3.4 | 2 | 1.2 | 3 | | | AreaAnalysis* | 3 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | n-WIDTH | | | | | | | | | | | | |
| $Sm^{154}$ | Γ(n) | 9.3 | 1 | 2.5 | 3 | | | AreaAnalysis* | 20 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Sm^{154}$ | Γ(n,l=0) | 9.3 | 1 | 2.5 | 3 | | | AreaAnalysis* | 20 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Sm^{154}$ | $\langle\Gamma(n,l=0)\rangle$ | 2.5 | 3 | 2.5 | 3 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Sm^{154}$ | Γ | 9.3 | 1 | 2.5 | 3 | | | AreaAnalysis* | 16 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Sm^{154}$ | Resonance Energy | 9.3 | 1 | 5.1 | 3 | | | AreaAnalysis* | 33 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Sm^{154}$ | Strength Funct | 2.5 | 3 | 2.5 | 3 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Sm^{154}$ | Level Spacing | 2.5 | 3 | 2.5 | 3 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Eu | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Eu | Sigma | 2.1 2 | 9.5 3 | | | TimeOfFlight | 49 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Eu | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Eu | Sigma | 2.2 0 | 1.1 2 | | | | 13 | 64DUBNA- 100 | Jun64 | DUB | Konks. |
| Eu | Sigma | 7.6 -1 | 4.2 4 | | | Slowing-Down | 94 | 64DUBNA- 100 | Jun64 | DUB | Konks. |
| Eu | Sigma | 3.0 4 | 2.0 5 | | $Ta^{181}$ | Liquid Scint | 7 | PR 159 1007 | Jul67 | ORL | Macklin. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Eu | Sigma | 9.0 -2 | 9.0 -2 | | σ(Total) | Neutron Det | 1 | CJP 31 432 | May53 | CRC | Brockhouse,B.N. |
| Eu | σ/σ(Total) | 2.0 -2 | 1.6 -1 | | | Crystal Spec | 9 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Eu | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Eu | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Eu | Sigma | 1.1 -3 | 8.5 -3 | | Absolute | Crystal Spec* | 12 | PR 98 1162 | May55 | KJL | Cote,R.+ |
| Eu | Sigma | 8.2 -1 | 1.4 0 | | Absolute | Crystal Spec | 37 | PR 98 1267 | Jun55 | BNL | Sailor. |
| Eu | Sigma | 8.0 2 | 2.4 4 | | Absolute | TimeOfFlight | 18 | EGELSTAFF 56P | Jun56 | HAR | Egelstaff. |
| Eu | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | 58GENEVA/16- 45 | Sep58 | HAR | Pattenden. |
| Eu | Sigma | 1.5 -4 | 2.7 -3 | | | TimeOfFlight | 11 | ADP 7 50 | Jan61 | MUN | Von Hoehne,P. |
| Eu | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 241 | FOSTER 67E | May67 | BNW | Foster. |
| | AVERAGED PARAM | | | | | | | | | | |
| Eu | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| | (n,γ) REACTION | | | | | | | | | | |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | KAPL-2000 8(1) | 59 | KAP | Moore. |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 1 | KAPL-2000 8(2) | 59 | KAP | Johnson. |
| $Eu^{151}$ | Sigma | 1.6 5 | 2.5 6 | | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Eu^{151}$ | Sigma | 1.6 5 | 2.5 6 | N | $U^{235}$(n,f) | Activation | 14 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Eu^{151}$ | Sigma | 8.3 -1 | 4.1 4 | | | Slowing-Down | 91 | 64DUBNA- 100 | Jun64 | DUB | Konks. |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 137B 763 | Feb65 | BNL | Takahashi. |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Activation | 1 | PR 137B 763 | Feb65 | BNL | Takahashi. |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 2 | JIN 29 2671 | Nov67 | CAN | Sims. |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 29 2671 | Nov67 | CAN | Sims. |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| $Eu^{151}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | JIN 29 2671 | Nov67 | CAN | Sims. |
| $Eu^{151}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | JIN 29 2671 | Nov67 | CAN | Sims. |
| $Eu^{151}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | γ-Spectromet* | 273 | NP A155 21 | Oct70 | KFK | Michaelis,W. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Eu^{151}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Eu^{151}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Eu^{151}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP 51 329 | 64 | IRK | Spenke. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Eu^{151}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 75 1500 | May49 | ANL | Hayden. |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Mass Spec | 1 | PR 75 1500 | May49 | ANL | Hayden. |
| $Eu^{151}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | 58GENEVA/16- 45 | Sep58 | HAR | Pattenden. |
| $Eu^{151}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | EANDC/J- 10 1 | Nov68 | JAE | Ohno,Y.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Eu^{151}$ | Γ(γ) | -6.0 -4 | -6.0 -4 | | | Breit-Wigner* | 1 | PR 98 1162 | May55 | KJL | Cote,R.+ |
| $Eu^{151}$ | Γ(γ) | 3.3 -1 | 1.1 0 | | | Shape Analys | 3 | PR 98 1267 | Jun55 | BNL | Sailor. |
| $Eu^{151}$ | Γ(γ) | 3.7 0 | 3.7 0 | | | Shape Analys | 1 | BAP 1 347 | Nov56 | BNL | Harvey. |
| $Eu^{151}$ | Γ(γ) | 1.1 0 | 3.7 0 | | | Shape Analys | 4 | PR 114 1577 | Jun59 | BNL | Domanic. |
| $Eu^{151}$ | Γ(γ) | 3.2 -1 | 4.6 -1 | | | Shape Analys | 2 | NSE 10 169 | 61 | BNL | Tassan. |
| $Eu^{151}$ | Γ(γ) | 2.7 0 | 9.9 1 | | | AreaAnalysis* | 70 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | n-WIDTH | | | | | | | | | | |
| $Eu^{151}$ | gΓ(n) | 1.1 0 | 9.9 1 | | | AreaAnalysis* | 88 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Eu^{151}$ | 2gΓ(n) | 2.7 0 | 7.4 0 | | | AreaAnalysis | 4 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| $Eu^{151}$ | 2gΓ(n) | 3.3 -1 | 1.1 0 | | | Shape Analys | 3 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| $Eu^{151}$ | 2gΓ(n) | 4.8 0 | 1.5 1 | | | AreaAnalysis | 11 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Eu^{151}$ | 2gΓ(n) | 4.8 0 | 2.7 1 | | | AreaAnalysis | 20 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Eu^{151}$ | 2gΓ(n) | 2.7 0 | 2.7 0 | | | Shape Analys | 1 | BAP 1 347 | Nov56 | BNL | Harvey. |
| $Eu^{151}$ | 2gΓ(n) | 1.1 0 | 9.0 0 | | | AreaAnalysis | 11 | BAP 1 347 | Nov56 | ORL | Harvey. |
| $Eu^{151}$ | 2gΓ(n) | 3.2 -1 | 4.6 -1 | | | Shape Analys | 2 | NSE 10 169 | 61 | BNL | Tassan. |
| $Eu^{151}$ | 2gΓ(n) | 6.4 1 | 6.5 1 | | | AreaAnalysis | 2 | WYNCHANK 69C | Mar69 | COL | Wynchank. |
| $Eu^{151}$ | gΓ(n,l=0) | 1.1 0 | 9.9 1 | | | AreaAnalysis* | 88 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Eu^{151}$ | 2gΓ(n,l=0) | 2.7 0 | 7.4 0 | | | AreaAnalysis | 4 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| $Eu^{151}$ | 2gΓ(n,l=0) | 3.3 -1 | 1.1 0 | | | Shape Analys | 3 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| $Eu^{151}$ | 2gΓ(n,l=0) | 4.8 0 | 1.5 1 | | | AreaAnalysis | 10 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Eu^{151}$ | 2gΓ(n,l=0) | 4.8 0 | 2.7 1 | | | AreaAnalysis | 20 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Eu^{151}$ | 2gΓ(n,l=0) | 1.1 0 | 9.0 0 | | | AreaAnalysis | 11 | BAP 1 347 | Nov56 | ORL | Harvey. |
| $Eu^{151}$ | 2gΓ(n,l=0) | 1.1 0 | 1.1 0 | | | Shape Analys | 1 | PR 114 1577 | Jun59 | BNL | Domanic. |
| $Eu^{151}$ | 2gΓ(n,l=0) | 3.2 -1 | 4.6 -1 | | | Shape Analys | 2 | NSE 10 169 | 61 | BNL | Tassan. |
| $Eu^{151}$ | 2gΓ(n,l=0) | 6.4 1 | 6.5 1 | | | AreaAnalysis | 2 | WYNCHANK 69C | Mar69 | COL | Wynchank. |
| $Eu^{151}$ | <gΓ(n)> | 9.9 1 | 9.9 1 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Eu^{151}$ | Γ | -1.1 -2 | 4.6 -1 | | | Shape Analys | 2 | PR 71 757 | Jun47 | ANL | Sturm. |
| $Eu^{151}$ | Γ | 4.6 -1 | 1.1 0 | | | Shape Analys | 2 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| $Eu^{151}$ | Γ | 3.3 -1 | 1.1 0 | | | Shape Analys | 3 | PR 98 1267 | Jun55 | BNL | Sailor. |
| $Eu^{151}$ | Γ | 1.1 0 | 3.7 0 | | | Shape Analys | 4 | PR 114 1577 | Jun59 | BNL | Domanic. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH (CONTINUED) | | | | | | | | | | |
| $Eu^{151}$ | $\Gamma$ | 3.2 -1 | 4.6 -1 | | | Shape Analys | 2 | NSE 10 169 | 61 | BNL | Tassan. |
| $Eu^{151}$ | $\Gamma$ | 6.4 1 | 6.5 1 | | | AreaAnalysis | 2 | WYNCHANK 69C | Mar69 | COL | Wynchank. |
| $Eu^{151}$ | $\Gamma$ | 2.7 0 | 9.9 1 | | | AreaAnalysis* | 70 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Eu^{151}$ | $\Gamma\sigma(0)$ | 2.7 0 | 2.7 0 | | | Shape Analys | 1 | BAP 1 347 | Nov56 | BNL | Harvey. |
| $Eu^{151}$ | $\Gamma\sigma(0)$ | 1.1 0 | 9.0 0 | | | AreaAnalysis | 11 | BAP 1 347 | Nov56 | ORL | Harvey. |
| $Eu^{151}$ | $\Gamma^2\sigma(0)$ | 2.7 0 | 7.4 0 | | | AreaAnalysis | 4 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| $Eu^{151}$ | $\Gamma^2\sigma(0)$ | 3.3 -1 | 1.1 0 | | | Shape Analys | 3 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| | OTHER RESGN PARAM | | | | | | | | | | |
| $Eu^{151}$ | Resonance Energy | 3.3 0 | 3.3 0 | | | TimeOfFlight | 1 | PR 71 757 | Jun47 | ANL | Sturm. |
| $Eu^{151}$ | Resonance Energy | 1.3 1 | 1.9 1 | | | TimeOfFlight | 3 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| $Eu^{151}$ | Resonance Energy | -1.1 -2 | 3.4 0 | | | TimeOfFlight | 6 | PR 95 453 | Jul54 | BNL | Wood,R.E. |
| $Eu^{151}$ | Resonance Energy | -6.0 -4 | -6.0 -4 | | | Breit-Wigner* | 1 | PR 98 1162 | May55 | KJL | Cote,R.+ |
| $Eu^{151}$ | Resonance Energy | 1.8 0 | 9.1 0 | | | Shape Analys | 8 | PR 114 1577 | Jun59 | BNL | Domanic. |
| $Eu^{151}$ | Resonance Energy | 4.6 -1 | 4.6 -1 | | | | 1 | WYNCHANK 69C | Mar69 | COL | Wynchank. |
| $Eu^{151}$ | Resonance Energy | 1.1 0 | 9.9 1 | | | AreaAnalysis* | 88 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Eu^{151}$ | $\sigma(0)$ | 3.0 4 | 3.0 4 | | | TimeOfFlight | 1 | PR 70 557 | 46 | USA | Borst. |
| $Eu^{151}$ | $\sigma(0)$ | 4.6 -1 | 4.6 -1 | | | Shape Analys | 1 | PR 71 757 | Jun47 | ANL | Sturm. |
| $Eu^{151}$ | $\sigma(0)$ | -6.0 -4 | -6.0 -4 | | | Breit-Wigner* | 1 | PR 98 1162 | May55 | KJL | Cote,R.+ |
| $Eu^{151}$ | $\sigma(0)$ | 3.3 -1 | 1.1 0 | | | Shape Analys | 3 | PR 98 1267 | Jun55 | BNL | Sailor. |
| $Eu^{151}$ | $\sigma(0)$ | 1.1 0 | 3.7 0 | | | Shape Analys | 4 | PR 114 1577 | Jun59 | BNL | Domanic. |
| $Eu^{151}$ | $\sigma(0)$ | 3.2 -1 | 4.6 -1 | | | Shape Analys | 2 | NSE 10 169 | 61 | BNL | Tassan. |
| $Eu^{151}$ | Spin of Reson | 0.0 | 3.4 0 | | | TimeOfFlight | 5 | PR 134B 68 | Apr64 | NRL | Stolovy. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Eu^{151}$ | Strength Funct | 9.9 1 | 9.9 1 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Eu^{151}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Eu^{151}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Eu^{151}$ | Level Spacing | 9.9 1 | 9.9 1 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $Eu^{152}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | $\gamma$-Spectromet | 1 | YF 3 3 | Jan66 | FTI | Voinova,N.A.+ |
| $Eu^{152}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Ratio | $\gamma$-Spectromet | 5 | YF 3 3 | Jan66 | FTI | Voinova,N.A.+ |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $Eu^{153}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 29 2671 | Nov67 | CAN | Sims. |
| $Eu^{153}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | JIN 29 2671 | Nov67 | CAN | Sims. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Eu^{153}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Eu^{153}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Eu^{153}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 2 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Eu^{153}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Eu^{153}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Eu^{153}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 75 1500 | May49 | ANL | Hayden. |
| $Eu^{153}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Mass Spec | 1 | PR 75 1500 | May49 | ANL | Hayden. |
| $Eu^{153}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | 58GENEVA/16- 45 | Sep58 | HAR | Pattenden. |
| $Eu^{153}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,$\gamma$) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Eu^{153}$ | $\Gamma(\gamma)$ | 2.5 0 | 3.9 0 | | | Shape Analys | 2 | BAP 1 347 | Nov56 | BNL | Harvey. |
| $Eu^{153}$ | $\Gamma(\gamma)$ | 2.5 0 | 8.9 0 | | | Shape Analys | 5 | PR 114 1577 | Jun59 | BNL | Domanic. |
| $Eu^{153}$ | $\Gamma(\gamma)$ | 1.7 0 | 9.8 1 | | | AreaAnalysis* | 47 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | n-WIDTH | | | | | | | | | | |
| $Eu^{153}$ | $g\Gamma(n)$ | 1.7 0 | 9.8 1 | | | AreaAnalysis* | 68 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Eu^{153}$ | $2g\Gamma(n)$ | 2.5 0 | 9.0 0 | | | AreaAnalysis | 4 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| $Eu^{153}$ | $2g\Gamma(n)$ | 6.2 0 | 1.2 1 | | | AreaAnalysis | 3 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Eu^{153}$ | $2g\Gamma(n)$ | 4.7 0 | 2.4 1 | | | AreaAnalysis | 13 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Eu^{153}$ | $2g\Gamma(n)$ | 2.5 0 | 3.9 0 | | | Shape Analys | 2 | BAP 1 347 | Nov56 | BNL | Harvey. |
| $Eu^{153}$ | $2g\Gamma(n)$ | 1.8 0 | 8.9 0 | | | AreaAnalysis | 8 | BAP 1 347 | Nov56 | ORL | Harvey. |
| $Eu^{153}$ | $2g\Gamma(n)$ | 4.6 -1 | 4.6 -1 | | | Shape Analys | 1 | 58GENEVA/16- 44 | Sep58 | HAR | Pattenden. |
| $Eu^{153}$ | $g\Gamma(n,l=0)$ | 1.7 0 | 9.8 1 | | | AreaAnalysis* | 68 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Eu^{153}$ | $2g\Gamma(n,l=0)$ | 1.8 0 | 9.0 0 | | | AreaAnalysis | 5 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| $Eu^{153}$ | $2g\Gamma(n,l=0)$ | 6.2 0 | 1.2 1 | | | AreaAnalysis | 3 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Eu^{153}$ | $2g\Gamma(n,l=0)$ | 4.7 0 | 2.4 1 | | | AreaAnalysis | 13 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Eu^{153}$ | $2g\Gamma(n,l=0)$ | 1.8 0 | 8.9 0 | | | AreaAnalysis | 8 | BAP 1 347 | Nov56 | ORL | Harvey. |
| $Eu^{153}$ | $2g\Gamma(n,l=0)$ | 4.6 -1 | 4.6 -1 | | | Shape Analys | 1 | 58GENEVA/16- 44 | Sep58 | HAR | Pattenden. |
| $Eu^{153}$ | $2g\Gamma(n,l=0)$ | 2.5 0 | 8.9 0 | | | Shape Analys | 5 | PR 114 1577 | Jun59 | BNL | Domanic. |
| $Eu^{153}$ | $\langle g\Gamma(n,l=0)\rangle$ | 9.8 1 | 9.8 1 | | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Eu^{153}$ | $\Gamma$ | 5.4 -1 | 5.4 -1 | | | Shape Analys | 1 | PR 70 557 | 46 | USA | Borst. |
| $Eu^{153}$ | $\Gamma$ | 4.6 -1 | 4.6 -1 | | | Shape Analys | 1 | 58GENEVA/16- 44 | Sep58 | HAR | Pattenden. |
| $Eu^{153}$ | $\Gamma$ | 2.5 0 | 8.9 0 | | | Shape Analys | 5 | PR 114 1577 | Jun59 | BNL | Domanic. |
| $Eu^{153}$ | $\Gamma$ | 1.7 0 | 9.8 1 | | | AreaAnalysis* | 46 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Eu^{153}$ | $\Gamma\sigma(0)$ | 2.5 0 | 3.9 0 | | | Shape Analys | 2 | BAP 1 347 | Nov56 | BNL | Harvey. |
| $Eu^{153}$ | $\Gamma\sigma(0)$ | 1.8 0 | 8.9 0 | | | AreaAnalysis | 8 | BAP 1 347 | Nov56 | ORL | Harvey. |
| $Eu^{153}$ | $\Gamma^2\sigma(0)$ | 1.8 0 | 9.0 0 | | | AreaAnalysis | 5 | PR 93 1292 | Mar54 | BNL | Sailor,V.L.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Eu^{153}$ | Resonance Energy | 4.6 -1 | 4.6 -1 | | | | 1 | WYNCHANK 69C | Mar69 | COL | Wynchank. |
| $Eu^{153}$ | Resonance Energy | 1.7 0 | 9.8 1 | | | AreaAnalysis* | 68 | NYO/72-281 | 70 | COL | Rahn,F.J. |
| $Eu^{153}$ | $\sigma(0)$ | 5.4 -1 | 5.4 -1 | | | Shape Analys | 1 | PR 70 557 | 46 | USA | Borst. |
| $Eu^{153}$ | $\sigma(0)$ | 4.6 -1 | 4.6 -1 | | | Shape Analys | 1 | 58GENEVA/16- 44 | Sep58 | HAR | Pattenden. |
| $Eu^{153}$ | $\sigma(0)$ | 2.5 0 | 8.9 0 | | | Shape Analys | 5 | PR 114 1577 | Jun59 | BNL | Domanic. |
| $Eu^{153}$ | Spin of Reson | 2.5 0 | 2.5 0 | | | TimeOfFlight | 1 | PR 134B 68 | Apr64 | NRL | Stolovy. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | | |
| $Eu^{153}$ | Strength Funct | 9.8 | 1 | 9.8 | 1 | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,P.J. |
| $Eu^{153}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Eu^{153}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Eu^{153}$ | Level Spacing | 9.8 | 1 | 9.8 | 1 | | AreaAnalysis* | 1 | NYO/72-281 | 70 | COL | Rahn,P.J. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Gd | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Gd | Sigma | 7.5 3 | 1.7 5 | | Indium | Scint Tank | 57 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Gd | Sigma | 2.0 2 | 7.3 3 | | | TimeOfFlight | 41 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Gd | Sigma | 2.5 -2 | 2.5 -2 | | | * | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Gd | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Gd | Sigma | 1.0 3 | 7.5 5 | | | TimeOfFlight* | 89 | 70HELSNK/II-265 | Jun70 | GA | Fricke,M.P.+ |
| Gd | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Gd | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 24 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Gd | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Gd | Ang Distrib | 1.5 6 | 3.6 6 | | H(n,n) | TimeOfFlight | 65 | TANAKA 71L | Dec71 | JAE | Tanaka,S. |
| Gd | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 120 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| Gd | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Gd | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Gd | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| Gd | Ang Distrib | 1.5 6 | 3.6 6 | | H(n,n) | TimeOfFlight | 107 | TANAKA 71L | Dec71 | JAE | Tanaka,S. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Gd | σ/σ(Total) | 2.0 -2 | 1.6 -1 | | | Crystal Spec | 16 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Gd | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 71 757 | Jun47 | ANL | Sturm. |
| Gd | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Gd | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Gd | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Gd | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | AERE/R-2516 | 59 | HAR | Jowitt. |
| Gd | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Gd | Sigma | 2.1 -3 | 2.0 -1 | | Absolute | TimeOfFlight | 64 | PR 72 585 | Oct47 | ANL | Brill,T.+ |
| Gd | Sigma | 6.6 -1 | 2.7 3 | | Absolute | TimeOfFlight | 343 | PALMER 53C | Mar53 | ANL | Palmer. |
| Gd | Sigma | 8.0 2 | 2.4 4 | | Absolute | TimeOfFlight | 18 | EGELSTAFF 56P | Jun56 | HAR | Egelstaff. |
| Gd | Sigma | 8.9 0 | 8.0 2 | | Absolute | TimeOfFlight | 725 | SIMPSON 56G | Jul56 | MTR | Simpson. |
| Gd | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 3 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Gd | Sigma | 1.2 0 | 1.0 1 | | Absolute | TimeOfFlight | 203 | SIMPSON 58C | Mar58 | MTR | Simpson. |
| Gd | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | 58GENEVA/16- 45 | Sep58 | HAR | Pattenden. |
| Gd | Sigma | 1.9 -2 | 2.8 -1 | | | Crystal Spec | 50 | NSE 8 183 | 60 | BNL | Moller. |
| Gd | Sigma | 1.9 -2 | 2.5 -1 | | Absolute | Crystal Spec | 48 | NSE 8 183 | 60 | BNL | Moller. |
| Gd | Sigma | 1.8 -4 | 2.8 -3 | | | TimeOfFlight | 8 | ADP 7 50 | Jan61 | MUN | Von Hoehne,P. |
| Gd | Sigma | 9.8 5 | 9.8 5 | | | TimeOfFlight | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Gd | Sigma | 4.0 3 | 6.4 5 | | | Accelerator | 95 | PL 16 306 | Jun65 | DKE | Seth. |
| Gd | Sigma | 9.2 -3 | 2.3 -1 | | Absolute | Crystal Spec | 15 | RSI 36 887 | Jul65 | COL | |
| Gd | Sigma | 2.4 6 | 1.6 7 | | | PlasticScint | 7 | NSE 25 291 | Jul66 | NDL | Wickstrom,C.J.+ |
| Gd | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 256 | FOSTER 67E | May67 | BNW | Foster. |
| Gd | Sigma | 1.2 3 | 2.0 6 | | | | 99 | STUPEGIA 67G | Jul67 | ANL | Stupegia. |
| Gd | Sigma | 1.0 6 | 2.0 6 | | Absolute | Transmission* | 34 | NSP 4 3 | Oct68 | DAC | Hussain,M.+ |
| Gd | Sigma | 1.6 7 | 1.9 7 | | Absolute | Transmission* | 12 | JNE 23 113 | Mar69 | RAM | |
| | n-WIDTH | | | | | | | | | | |
| Gd | $2g\Gamma^2(n)/\Gamma$ | 1.7 1 | 1.7 1 | | | | 1 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Gd | Resonance Energy | 1.7 1 | 1.7 1 | | Absolute | | 1 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Gd | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| Gd | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Gd | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Gd^{152}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Gd^{152}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Gd^{152}$ | Γ(γ) | 3.7 1 | 1.9 2 | | | AreaAnalysis | 5 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| | n-WIDTH | | | | | | | | | | |
| $Gd^{152}$ | Γ(n) | 1.2 1 | 2.3 2 | | | AreaAnalysis | 14 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{152}$ | Γ(n,l=0) | 1.2 1 | 2.3 2 | | | AreaAnalysis | 14 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{152}$ | Γ(n,l=0) | 3.3 0 | 9.3 1 | | | | 10 | UFZ 13 1492 | Dec68 | UKR | Vertebnyi. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Gd^{152}$ | Γ | 3.7 1 | 1.9 2 | | | AreaAnalysis | 6 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Gd^{152}$ | Level Spacing | 5.0 2 | 5.0 2 | | | Holograph | 1 | UFZ 13 1492 | Dec68 | UKR | Vertebnyi. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Gd^{154}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | INDSWG-126 7 | 66 | OBN | Otstavnov,P.S.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Gd^{154}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Gd^{154}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Gd^{154}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH | | | | | | | | | | | | |
| $Gd^{154}$ | Γ(γ) | 6.5 | 1 | 1.6 | 2 | | | AreaAnalysis | 3 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| | n-WIDTH | | | | | | | | | | | | |
| $Gd^{154}$ | Γ(n) | 1.1 | 1 | 2.2 | 2 | | | AreaAnalysis | 13 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{154}$ | 2gΓ(n) | 2.2 | 1 | 2.2 | 2 | | | AreaAnalysis | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{154}$ | Γ(n,l=0) | 1.1 | 1 | 2.2 | 2 | | | AreaAnalysis | 13 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{154}$ | Γ(n,l=0) | 9.4 | 0 | 1.5 | 2 | | | | 11 | UPZ 13 1492 | Dec68 | UKR | Vertebnyi. |
| $Gd^{154}$ | 2gΓ(n,l=0) | 2.2 | 1 | 2.2 | 2 | | | AreaAnalysis | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Gd^{154}$ | Γ | 6.5 | 1 | 1.6 | 2 | | | AreaAnalysis | 3 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Gd^{154}$ | Level Spacing | 5.0 | 2 | 5.0 | 2 | | | Holograph | 1 | UPZ 13 1492 | Dec68 | UKR | Vertebnyi. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | CaptureGamma | 1 | IZV 26 1182 | Sep62 | CCP | Groshev. |
| $Gd^{155}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Solidstate C | 2 | PL 1 289 | Jul62 | ISL | Cheifetz. |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Ion Chamber | 1 | YP 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Ta^{181}$ | Coincidences | 1 | YP 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Solidstate C | 1 | NP A129 571 | May69 | MCM | Beg.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Mass Spec | 1 | PR 71 745 | Jun47 | ANL | Lapp. |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Mass Spec | 1 | PR 79 271 | Jul50 | ANL | Ingram. |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | AERE/R-2516 | 59 | HAR | Jowitt. |
| $Gd^{155}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Crystal Spec | 1 | 58GENEVA/16- 45 | Sep58 | HAR | Pattenden. |
| $Gd^{155}$ | Sigma | 1.9 | -2 | 2.8 | -1 | | | Crystal Spec | 51 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{155}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | Transmission | 1 | EANDC/J- 10 1 | Nov68 | JAE | Ohno,Y.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Gd^{155}$ | Γ(γ) | 2.0 | 0 | 2.6 | 0 | | | Shape Analys | 2 | FLORANCE 56I | Sep56 | BNL | Florance. |
| $Gd^{155}$ | Γ(γ) | 2.1 | 0 | 2.4 | 1 | | | AreaAnalysis | 8 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Gd^{155}$ | Γ(γ) | 2.7 | -2 | 2.6 | 0 | | | Shape Analys | 3 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{155}$ | Γ(γ) | 6.3 | 0 | 5.2 | 1 | | | AreaAnalysis | 9 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{155}$ | Γ(γ) | 6.3 | 0 | 6.9 | 1 | | | Selfindicatn | 18 | GA-9275 | Mar69 | GA | Fricke. |
| | n-WIDTH | | | | | | | | | | | | |
| $Gd^{155}$ | 2gΓ(n) | 2.0 | 0 | 2.6 | 0 | | | Shape Analys | 2 | FLORANCE 56I | Sep56 | BNL | Florance. |
| $Gd^{155}$ | 2gΓ(n) | 2.1 | 0 | 4.7 | 1 | | | AreaAnalysis | 22 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Gd^{155}$ | 2gΓ(n) | 2.7 | -2 | 2.6 | 0 | | | Shape Analys | 3 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{155}$ | 2gΓ(n) | 2.0 | 0 | 6.3 | 1 | | | AreaAnalysis | 26 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{155}$ | 2gΓ(n) | 6.3 | 6 | 1.8 | 8 | | | AreaAnalysis | 79 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{155}$ | 2gΓ(n) | 3.6 | 0 | 9.6 | 1 | | | AreaAnalysis | 47 | GA-9275 | Mar69 | GA | Fricke. |
| $Gd^{155}$ | 2gΓ(n) | 2.0 | 0 | 7.0 | 1 | | | AreaAnalysis | 29 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{155}$ | 2gΓ(n,l=0) | 2.1 | 0 | 4.7 | 1 | | | AreaAnalysis | 22 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Gd^{155}$ | 2gΓ(n,l=0) | 2.7 | -2 | 2.6 | 0 | | | Shape Analys | 3 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{155}$ | 2gΓ(n,l=0) | 2.0 | 0 | 2.6 | 0 | | | AreaAnalysis | 2 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{155}$ | 2gΓ(n,l=0) | 6.3 | 0 | 1.8 | 2 | | | AreaAnalysis | 79 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{155}$ | 2gΓ(n,l=0) | 2.0 | 0 | 7.0 | 1 | | | AreaAnalysis | 29 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Gd^{155}$ | Γ | 2.6 | 0 | 2.6 | 0 | | | Shape Analys | 1 | FLORANCE 56I | Sep56 | BNL | Florance. |
| $Gd^{155}$ | Γ | 2.7 | -2 | 2.6 | 0 | | | Shape Analys | 3 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{155}$ | Γ | 6.3 | 0 | 6.3 | 1 | | | AreaAnalysis | 11 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{155}$ | $\Gamma^2_0(0)$ | 2.7 | -2 | 2.6 | 0 | | | Shape Analys | 3 | NSE 8 183 | 60 | BNL | Moller. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Gd^{155}$ | Resonance Energy | 6.3 | 0 | 2.4 | 1 | | | TimeOfFlight | 8 | FLORANCE 56I | Sep56 | BNL | Florance. |
| $Gd^{155}$ | Resonance Energy | 6.4 | 0 | 7.8 | 1 | | | CaptureGamma | 18 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| $Gd^{155}$ | Resonance Energy | 6.5 | 1 | 7.0 | 1 | | | AreaAnalysis | 2 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{155}$ | Resonance Energy | 1.2 | 1 | 4.1 | 1 | | | TimeOfFlight | 3 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{155}$ | Spin of Reson | 2.0 | 0 | 1.2 | 1 | | | CaptureGamma | 3 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Gd^{155}$ | Spin of Reson | 2.7 | -2 | 6.3 | 0 | | | TimeOfFlight | 4 | PR 134B 68 | Apr64 | NRL | Stolovy. |
| $Gd^{155}$ | Spin of Reson | 2.7 | -2 | 2.6 | 0 | | | TimeOfFlight | 3 | PR 138B1361 | Jun65 | BNL | Shore,F.J.+ |
| $Gd^{155}$ | Spin of Reson | 2.0 | 0 | 9.3 | 1 | | | TimeOfFlight* | 29 | NP A145 549 | Apr70 | SAC | Asghar,M.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Gd^{155}$ | Strength Fn(l=0) | 1.5 | 2 | 1.5 | 2 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| $Gd^{155}$ | Strength Fn(l=0) | 8.5 | 1 | 8.5 | 1 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Gd^{155}$ | Strength Fn(l=0) | 1.0 | 4 | 1.0 | 4 | | | AverageTrans | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{155}$ | Strength Fn(l=0) | 9.3 | 1 | 9.3 | 1 | | | Shape Analys* | 2 | NP A145 549 | Apr70 | SAC | Asghar,M.+ |
| $Gd^{155}$ | Level Spacing | 1.5 | 2 | 1.5 | 2 | | | | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{155}$ | Lvl Spacing(l=0) | 8.5 | 1 | 8.5 | 1 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Gd^{156}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 2 | AE 19 459 | Nov65 | OBN | Grishanin,E.I. |
| $Gd^{156}$ | Sigma | 2.5 | -2 | 2.5 | -2 | S | | | 1 | INDSWG-126 7 | 66 | OBN | Otstavnov,P.S. |
| $Gd^{156}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Gd^{156}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Gd^{156}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Gd^{156}$ | Γ(γ) | 3.3 | 1 | 3.3 | 1 | | | AreaAnalysis | 1 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{156}$ | Γ(γ) | 3.3 | 1 | 9.0 | 2 | | | AreaAnalysis | 5 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{156}$ | Γ(γ) | 3.3 | 1 | 3.3 | 1 | | | AreaAnalysis | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH (CONTINUED) | | | | | | | | | | | | |
| $Gd^{156}$ | $\langle\Gamma(\gamma)\rangle$ | 8.5 | 2 | 8.5 | 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Gd^{156}$ | $\Gamma(n)$ | 3.3 | 1 | 3.5 | 2 | | | AreaAnalysis | 5 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{156}$ | $\Gamma(n)$ | 3.3 | 1 | 1.4 | 3 | | | AreaAnalysis | 29 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{156}$ | $\Gamma(n)$ | 3.3 | 1 | 8.5 | 2 | | | AreaAnalysis | 11 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{156}$ | $\Gamma(n,l=0)$ | 3.3 | 1 | 3.5 | 2 | | | AreaAnalysis | 5 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{156}$ | $\Gamma(n,l=0)$ | 3.3 | 1 | 1.4 | 3 | | | AreaAnalysis | 29 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{156}$ | $\Gamma(n,l=0)$ | 3.3 | 1 | 8.5 | 2 | | | AreaAnalysis | 11 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Gd^{156}$ | $\Gamma$ | 3.3 | 1 | 3.3 | 1 | | | AreaAnalysis | 1 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Gd^{156}$ | Resonance Energy | 3.2 | 1 | 8.0 | 1 | | | CaptureGamma | 2 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Gd^{156}$ | Strength Fn(l=0) | 4.4 | 2 | 4.4 | 2 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| $Gd^{156}$ | Strength Fn(l=0) | 1.0 | 4 | 1.0 | 4 | | | AverageTrans | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{156}$ | Level-Spacing | 4.4 | 2 | 4.4 | 2 | | | | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Gd^{157}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | CaptureGamma | 1 | IZV 26 1182 | Sep62 | CCP | Groshev. |
| $Gd^{157}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Gd^{157}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Gd^{157}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Solidstate C | 2 | PL 1 289 | Jul62 | ISL | Cheifetz. |
| $Gd^{157}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Gd^{157}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Gd^{157}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Mass Spec | 1 | PR 71 745 | Jun47 | ANL | Lapp. |
| $Gd^{157}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Mass Spec | 1 | PR 79 271 | Jul50 | ANL | Inghram. |
| $Gd^{157}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | AERE/R-2516 | 59 | HAR | Jowitt. |
| $Gd^{157}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Gd^{157}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Crystal Spec | 1 | 58GENEVA/16- 45 | Sep58 | HAR | Pattenden. |
| $Gd^{157}$ | Sigma | 1.9 | -2 | 2.8 | -1 | | | Crystal Spec | 51 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{157}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | Transmission | 1 | EANDC/J- 10 1 | Nov68 | JAE | Ohno,Y.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Gd^{157}$ | $\Gamma(\gamma)$ | 4.9 | 1 | 4.9 | 1 | | | AreaAnalysis | 1 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Gd^{157}$ | $\Gamma(\gamma)$ | 3.1 | -2 | 2.8 | 0 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{157}$ | $\Gamma(\gamma)$ | 4.4 | 1 | 4.4 | 1 | | | AreaAnalysis | 1 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{157}$ | $\Gamma(\gamma)$ | 4.9 | 1 | 4.9 | 1 | | | AreaAnalysis | 1 | BAP 9 443 | Apr64 | BNL | Mughabghab. |
| $Gd^{157}$ | $\Gamma(\gamma)$ | 1.7 | 1 | 2.4 | 2 | | | AreaAnalysis | 14 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{157}$ | $\Gamma(\gamma)$ | 1.7 | 1 | 9.7 | 1 | | | Selfindicatn | 8 | GA-9275 | Mar69 | GA | Fricke. |
| $Gd^{157}$ | $\Gamma(\gamma)$ | 1.7 | 1 | 4.9 | 1 | | | AreaAnalysis | 3 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{157}$ | $\langle\Gamma(\gamma)\rangle$ | 1.8 | 2 | 1.8 | 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Gd^{157}$ | $2g\Gamma(n)$ | 2.8 | 0 | 2.8 | 0 | | | Shape Analys | 1 | PLORANCE 56I | Sep56 | BNL | Florance. |
| $Gd^{157}$ | $2g\Gamma(n)$ | 3.0 | 0 | 4.9 | 1 | | | AreaAnalysis | 4 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Gd^{157}$ | $2g\Gamma(n)$ | 3.1 | -2 | 2.8 | 0 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{157}$ | $2g\Gamma(n)$ | 2.8 | 0 | 4.4 | 1 | | | AreaAnalysis | 8 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{157}$ | $2g\Gamma(n)$ | 4.9 | 1 | 1.6 | 2 | | | AreaAnalysis | 15 | BAP 9 443 | Apr64 | BNL | Mughabghab. |
| $Gd^{157}$ | $2g\Gamma(n)$ | 1.6 | 1 | 9.7 | 1 | | | AreaAnalysis | 15 | GA-9275 | Mar69 | GA | Fricke. |
| $Gd^{157}$ | $2g\Gamma(n)$ | 2.8 | 0 | 1.8 | 2 | | | AreaAnalysis | 28 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{157}$ | $2g\Gamma(n,l=0)$ | 3.0 | 0 | 4.9 | 1 | | | AreaAnalysis | 4 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Gd^{157}$ | $2g\Gamma(n,l=0)$ | 3.1 | -2 | 2.8 | 0 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{157}$ | $2g\Gamma(n,l=0)$ | 2.0 | 1 | 4.4 | 1 | | | AreaAnalysis | 6 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Gd^{157}$ | $2g\Gamma(n,l=0)$ | 4.9 | 1 | 1.4 | 2 | | | AreaAnalysis | 13 | BAP 9 443 | Apr64 | BNL | Mughabghab. |
| $Gd^{157}$ | $2g\Gamma(n,l=0)$ | 1.6 | 1 | 3.1 | 2 | | | AreaAnalysis | 53 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{157}$ | $2g\Gamma(n,l=0)$ | 2.8 | 0 | 1.8 | 2 | | | AreaAnalysis | 28 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{157}$ | $\Gamma(n)/\Gamma$ | 3.1 | -2 | 3.1 | -2 | | | Mass Spec | 1 | ANL-6797 363 | 63 | MOL | Poortmans. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Gd^{157}$ | $\Gamma$ | 4.4 | -2 | 4.4 | -2 | | | Shape Analys | 1 | PR 70 557 | 46 | USA | Borst. |
| $Gd^{157}$ | $\Gamma$ | 2.8 | -2 | 2.8 | -2 | | | TimeOfFlight | 1 | PR 72 585 | Oct47 | ANL | Brill,T.+ |
| $Gd^{157}$ | $\Gamma$ | 2.8 | 0 | 2.8 | 0 | | | Shape Analys | 1 | PLORANCE 56I | Sep56 | BNL | Florance. |
| $Gd^{157}$ | $\Gamma$ | 3.1 | -2 | 2.8 | 0 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{157}$ | $\Gamma$ | 1.7 | 1 | 2.4 | 2 | | | AreaAnalysis | 14 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{157}$ | $\Gamma 2\sigma(0)$ | 3.1 | -2 | 3.1 | -2 | | | Shape Analys | 1 | NSE 8 183 | 60 | BNL | Moller. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Gd^{157}$ | Resonance Energy | 3.1 | -2 | 2.4 | 1 | | | TimeOfFlight | 4 | PLORANCE 56I | Sep56 | BNL | Florance. |
| $Gd^{157}$ | Resonance Energy | 2.1 | 1 | 2.6 | 1 | | | AreaAnalysis | 2 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| $Gd^{157}$ | Resonance Energy | 1.7 | 1 | 8.1 | 1 | | | CaptureGamma | 7 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| $Gd^{157}$ | Resonance Energy | 2.9 | 0 | 4.4 | 1 | | | CaptureGamma | 5 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Gd^{157}$ | $\sigma(0)$ | 4.4 | -2 | 4.4 | -2 | | | Shape Analys | 1 | PR 70 557 | 46 | USA | Borst. |
| $Gd^{157}$ | $\sigma(0)$ | 2.8 | -2 | 2.8 | -2 | | | TimeOfFlight | 1 | PR 72 585 | Oct47 | ANL | Brill,T.+ |
| $Gd^{157}$ | $\sigma(0)$ | 2.8 | 0 | 2.8 | 0 | | | Shape Analys | 1 | NSE 8 183 | 60 | BNL | Moller. |
| $Gd^{157}$ | Spin of Reson | 3.1 | -2 | 3.1 | -2 | | | Scattering | 1 | ANL-6797 363 | 63 | MOL | Poortmans. |
| $Gd^{157}$ | Spin of Reson | 3.1 | -2 | 3.1 | -2 | | | TimeOfFlight | 1 | PR 134B 68 | Apr64 | NEL | Stolovy. |
| $Gd^{157}$ | Spin of Reson | 3.1 | -2 | 2.8 | 0 | | | TimeOfFlight | 2 | PR 138B1361 | Jun65 | BNL | Shore,F.J.+ |
| $Gd^{157}$ | Spin of Reson | 1.7 | 1 | 1.7 | 1 | | Lead | Crystal Spec | 1 | NP 82 331 | Jul66 | MOL | Poortmans,P.+ |
| $Gd^{157}$ | Spin of Reson | 1.7 | 1 | 2.4 | 2 | | | TimeOfFlight* | 24 | NP A145 549 | Apr70 | SAC | Asghar,M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Gd^{157}$ | Strength Fn(l=0) | 3.9 | 2 | 3.9 | 2 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| $Gd^{157}$ | Strength Fn(l=0) | 2.5 | 2 | 2.5 | 2 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Gd^{157}$ | Strength Fn(l=0) | 1.0 | 4 | 1.0 | 4 | | | AverageTrans | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{157}$ | Strength Fn(l=0) | 2.4 | 2 | 2.4 | 2 | | | Shape Analys* | 2 | NP A145 549 | Apr70 | SAC | Asghar,M.+ |
| $Gd^{157}$ | Level Spacing | 3.9 | 2 | 3.9 | 2 | | | | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{157}$ | Lvl Spacing(l=0) | 2.5 | 2 | 2.5 | 2 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Gd^{158}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 75 1276 | Apr49 | HAR | Butement. |
| $Gd^{158}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Gd^{158}$ | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Gd^{158}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.61A | Jan61 | ARK | Poularikas. |
| $Gd^{158}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| $Gd^{158}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Gd^{158}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | $P^{31}(n,p)$ | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Gd^{158}$ | Sigma | 4.9 | 3 | 2.1 | 6 | | $U^{235}(n,f)$ | Activation | 21 | JNE 22 267 | May68 | ANL | Stupegia. |
| $Gd^{158}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Gd^{158}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Gd^{158}$ | Γ(γ) | 2.2 | 1 | 2.2 | 1 | | | AreaAnalysis | 1 | BAP 9 443 | Apr64 | BNL | Mughabghab. |
| $Gd^{158}$ | Γ(γ) | 2.2 | 1 | 9.2 | 2 | | | AreaAnalysis | 6 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{158}$ | Γ(γ) | 2.2 | 1 | 2.2 | 1 | | | AreaAnalysis | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{158}$ | <Γ(γ)> | 9.2 | 2 | 9.2 | 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.P.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Gd^{158}$ | Γ(n) | 2.2 | 1 | 2.2 | 1 | | | AreaAnalysis | 1 | BAP 9 443 | Apr64 | BNL | Mughabghab. |
| $Gd^{158}$ | Γ(n) | 2.2 | 1 | 2.2 | 3 | | | AreaAnalysis | 23 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{158}$ | Γ(n) | 2.2 | 1 | 9.2 | 2 | | | AreaAnalysis | 10 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{158}$ | Γ(n,l=0) | 2.2 | 1 | 2.2 | 1 | | | AreaAnalysis | 1 | BAP 9 443 | Apr64 | BNL | Mughabghab. |
| $Gd^{158}$ | Γ(n,l=0) | 2.2 | 1 | 2.2 | 3 | | | AreaAnalysis | 23 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{158}$ | Γ(n,l=0) | 2.2 | 1 | 9.2 | 2 | | | AreaAnalysis | 10 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Gd^{158}$ | Γ | 2.2 | 1 | 2.2 | 1 | | | AreaAnalysis | 1 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Gd^{158}$ | Resonance Energy | 2.2 | 1 | 2.2 | 1 | | | TimeOfFlight | 1 | FLORANCE 56I | Sep56 | BNL | Florance. |
| $Gd^{158}$ | Resonance Energy | 2.3 | 1 | 2.3 | 1 | | | TimeOfFlight | 1 | BAP 2 42 | Feb57 | MTR | Zimmerman. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Gd^{158}$ | Strength Fn(l=0) | 4.7 | 2 | 4.7 | 2 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| $Gd^{158}$ | Level Spacing | 4.7 | 2 | 4.7 | 2 | | | | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Gd^{160}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Gd^{160}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Gd^{160}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| $Gd^{160}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Gd^{160}$ | Sigma | 2.8 | 6 | 2.8 | 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| $Gd^{160}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Gd^{160}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Gd^{160}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Gd^{160}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Gd^{160}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Al(n,alpha) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Gd^{160}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Gd^{160}$ | Γ(γ) | 9.0 | 2 | 1.4 | 3 | | | AreaAnalysis | 3 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| | n-WIDTH | | | | | | | | | | | | |
| $Gd^{160}$ | Γ(n) | 2.2 | 2 | 2.7 | 3 | | | AreaAnalysis | 16 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{160}$ | Γ(n) | 2.2 | 2 | 2.7 | 3 | | | AreaAnalysis | 8 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| $Gd^{160}$ | Γ(n,l=0) | 2.2 | 2 | 2.7 | 3 | | | AreaAnalysis | 16 | P/3-3882 | Jun68 | DUB | Karzhavina. |
| $Gd^{160}$ | Γ(n,l=0) | 2.2 | 2 | 2.7 | 3 | | | AreaAnalysis | 8 | PR 180 1131 | Apr69 | BNL | Mughabghab. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Gd^{160}$ | Strength Fn(l=0) | 1.4 | 3 | 1.4 | 3 | | | | 1 | BNL-13074 | 68 | BNL | Mughabghab. |
| $Gd^{160}$ | Level Spacing | 1.4 | 3 | 1.4 | 3 | | | | 1 | PR 180 1131 | Apr69 | BNL | Mughabghab. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Tb^{159}$ | Sigma | 1.1 4 | 1.7 5 | | Indium | Scint Tank | 48 | PR 122 182 | Apr61 | ORL | Gibbons. |
| $Tb^{159}$ | Sigma | 2.0 2 | 9.4 3 | | | TimeOfFlight | 52 | 61SACLAY-203 | Jul61 | ORL | Block. |
| $Tb^{159}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| $Tb^{159}$ | Sigma | 3.0 6 | 3.0 6 | | $S^{32}$(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Tb^{159}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint* | 1 | NP A176 545 | Dec71 | BOR | Rigaud,F.+ |
| $Tb^{159}$ | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | JIN 29 2155 | Sep67 | OSL | Alstad,J.+ |
| $Tb^{159}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 8 | NC 27 1032 | Feb63 | CAS | Giannini,M.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Tb^{159}$ | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| $Tb^{159}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| $Tb^{159}$ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | Carbon | Diffraction | 2 | JCP 35 1950 | 61 | ANL | Atoji. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Tb^{159}$ | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | PR 139B1525 | Sep65 | REN | Broadhead. |
| $Tb^{159}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 88 349 | Nov66 | MUA | Rama Prasad,P.+ |
| $Tb^{159}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,p) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Tb^{159}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| $Tb^{159}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | (n,2p) REACTION | | | | | | | | | | |
| $Tb^{159}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Tb^{159}$ | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | NP 73 548 | Nov65 | RBZ | Kulisic,P.+ |
| $Tb^{159}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Count Telesc | 4 | NP 73 548 | Nov65 | RBZ | Kulisic,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Tb^{159}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Tb^{159}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Tb^{159}$ | Sigma | 2.2 -4 | 2.4 -3 | | Au(n,γ) | TimeOfFlight | 8 | EANDC/E- 57 22 | Feb65 | MON | Knorr. |
| $Tb^{159}$ | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 252 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | |
| $Tb^{159}$ | Γ(γ) | 3.3 0 | 9.7 1 | | | AreaAnalysis | 9 | ZET 47 43 | 64 | DUB | Wang. |
| $Tb^{159}$ | Γ(γ) | 2.4 1 | 1.1 2 | | | AreaAnalysis | 11 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| | n-WIDTH | | | | | | | | | | |
| $Tb^{159}$ | Γ(n) | 2.4 1 | 1.1 2 | | | AreaAnalysis | 11 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| $Tb^{159}$ | 2gΓ(n) | 3.3 0 | 1.6 2 | | | AreaAnalysis | 24 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Tb^{159}$ | 2gΓ(n) | 3.3 0 | 9.7 1 | | | AreaAnalysis | 22 | ZET 47 43 | 64 | DUB | Wang. |
| $Tb^{159}$ | 2gΓ(n,l=0) | 3.3 0 | 1.6 2 | | | AreaAnalysis | 24 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Tb^{159}$ | 2gΓ(n,l=0) | 3.3 0 | 9.7 1 | | | AreaAnalysis | 22 | ZET 47 43 | 64 | DUB | Wang. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Tb^{159}$ | Resonance Energy | 3.4 0 | 1.1 1 | | | TimeOfFlight | 4 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Tb^{159}$ | Resonance Energy | 7.7 1 | 7.8 1 | | | AreaAnalysis | 2 | ZET 47 43 | 64 | DUB | Wang. |
| $Tb^{159}$ | Spin of Reson | 3.3 0 | 1.1 1 | | | TimeOfFlight | 3 | PHY 30 713 | 64 | BNL | Postma,H.+ |
| $Tb^{159}$ | Spin of Reson | 1.1 1 | 9.7 1 | | | AreaAnalysis | 7 | ZET 47 43 | 64 | DUB | Wang. |
| $Tb^{159}$ | Spin of Reson | 2.4 1 | 1.1 2 | | | AreaAnalysis | 11 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Tb^{159}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Tb^{159}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Dy | Sigma | 2.5 -2 | 2.5 -2 | S | | Activation | 1 | CP-2376 | Nov44 | ANL | Seren. |
| Dy | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Dy | Sigma | 6.4 3 | 1.7 5 | | Indium | Scint Tank | 57 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Dy | Sigma | 1.9 2 | 7.8 3 | | | TimeOfFlight | 43 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Dy | Sigma | 6.5 4 | 6.5 4 | | Indium | Scint Tank | 1 | PR 129 2695 | Mar63 | ORL | Macklin. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Dy | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| Dy | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Dy | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Dy | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Dy | Sigma | 3.0 -2 | 1.0 -1 | | σ(Total) | Neutron Det | 2 | CJP 31 432 | May53 | CRC | Brockhouse,B.N. |
| Dy | σ/σ(Total) | 2.0 -2 | 1.2 -1 | | | Crystal Spec | 8 | CJP 31 432 | May53 | CR | Brockhouse,B.N. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Dy | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Dy | Sigma | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| Dy | Resen Integral | 5.0 -1 | 5.0 -1 | S | Au(n,γ) | ReactivityCo | 1 | ANS 5 377 | Nov62 | MTR | Scoville. |
| Dy | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| Dy | Reson Integral | 5.0 -1 | 5.0 -1 | S | Au(n,γ) | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| Dy | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Dy | Sigma | 1.4 2 | 3.6 4 | | Absolute | TimeOfFlight | 47 | EGELSTAFF 55F | Jun55 | HAR | Egelstaff. |
| Dy | Sigma | 8.0 2 | 2.4 4 | | Absolute | TimeOfFlight | 17 | EGELSTAFF 56F | Jun56 | HAR | Egelstaff. |
| Dy | Sigma | 5.3 -4 | 4.0 -1 | | Absolute | TimeOfFlight | 75 | BAP 6 70 | 61 | KAP | Slaughter. |
| Dy | Sigma | 9.8 5 | 9.8 5 | | | TimeOfFlight | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Dy | Sigma | 6.3 -4 | 2.2 -2 | | Absolute | Transmission | 35 | JAERI-1069 | Aug64 | JAE | Okamoto,K. |
| Dy | Sigma | 2.3 -2 | 2.3 -2 | | Absolute | TimeOfFlight | 1 | JAERI-1069 | Aug64 | KAP | Okamoto,K. |
| Dy | Sigma | 1.5 -2 | 2.5 0 | | Absolute | TimeOfFlight | 348 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| Dy | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 249 | FOSTER 67E | May67 | BNW | Foster. |
| Dy | Sigma | 1.1 4 | 2.0 6 | | | | 101 | STUPEGIA 67G | Jul67 | ANL | Stupegia. |
| | AVERAGED PARAM | | | | | | | | | | |
| Dy | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| | (n,2n) REACTION | | | | | | | | | | |
| $Dy^{156}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13 1699 | Dec68 | GIT | Oms,L.A.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Dy^{156}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Dy^{156}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Dy^{156}$ | Level Spacing | 5.0 2 | 5.0 2 | | | Holograph | 1 | UPZ 13 1492 | Dec68 | UKR | Vertebnyi. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Dy^{158}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NP 12 261 | 59 | MUA | Sehgal. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Dy^{158}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13 1699 | Dec68 | GIT | Oms,L.A.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Dy^{158}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Dy^{158}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | n-WIDTH | | | | | | | | | | |
| $Dy^{158}$ | Γ(n,l=0) | 3.8 1 | 8.6 1 | | | | 3 | UPZ 13 1492 | Dec68 | UKR | Vertebnyi. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Dy^{158}$ | Level Spacing | 5.0 2 | 5.0 2 | | | Holograph | 1 | UPZ 13 1492 | Dec68 | UKR | Vertebnyi. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Dy^{160}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Dy^{160}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Dy^{160}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Dy^{160}$ | Sigma | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{160}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{160}$ | Reson Integral | 5.0 -1 | 5.0 -1 | S | Au(n,γ) | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{160}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Dy^{160}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | BAP 3 337 | Aug58 | KAP | Rayburn. |
| | n-WIDTH | | | | | | | | | | |
| $Dy^{160}$ | Γ(n,l=0) | 1.9 0 | 8.5 1 | | | | 4 | UPZ 13 1492 | Dec68 | UKR | Vertebnyi. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Dy^{160}$ | Level Spacing | 5.0 2 | 5.0 2 | | | Holograph | 1 | UPZ 13 1492 | Dec68 | UKR | Vertebnyi. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Dy^{161}$ | Sigma | 2.3 -2 | 1.0 0 | | σ(Total) | TimeOfFlight | 85 | AE 16 56 | Jan64 | KUR | Danelian,L.S.+ |
| $Dy^{161}$ | Sigma | 2.9 4 | 1.7 5 | | Indium | TimeOfFlight | 20 | 66PARIS/I- 469 | Oct66 | OBN | Kononov. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Dy^{161}$ | Scatt Radius | 1.4 2 | 1.4 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Dy^{161}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Dy^{161}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Dy^{161}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | BAP 3 337 | Aug58 | KAP | Rayburn. |
| $Dy^{161}$ | Sigma | 2.4 4 | 2.4 4 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| $Dy^{161}$ | Sigma | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{161}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{161}$ | Reson Integral | 5.0 -1 | 5.0 -1 | S | Au(n,γ) | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{161}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Dy^{161}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | BAP 3 337 | Aug58 | KAP | Rayburn. |
| | γ-WIDTH | | | | | | | | | | |
| $Dy^{161}$ | Γ(γ) | 2.7 0 | 3.7 0 | | | AreaAnalysis | 2 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{161}$ | Γ(γ) | 4.3 0 | 4.5 1 | | | AreaAnalysis* | 4 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{161}$ | <Γ(γ)> | 1.4 2 | 1.4 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | n-WIDTH | | | | | | | | | | |
| $Dy^{161}$ | 2gΓ(n) | 2.7 0 | 4.2 1 | | | AreaAnalysis | 8 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{161}$ | 2gΓ(n) | 1.9 1 | 7.3 1 | | | AreaAnalysis | 18 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Dy^{161}$ | 2gΓ(n) | 2.7 0 | 1.4 2 | | | AreaAnalysis* | 42 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{161}$ | 2gΓ(n,l=0) | 2.7 0 | 6.3 1 | | | AreaAnalysis | 46 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{161}$ | 2gΓ(n,l=0) | -2.4 0 | -2.4 0 | | | Shape Analys | 1 | AE 16 56 | Jan64 | KUR | Danelian,L.S.+ |
| $Dy^{161}$ | 2gΓ(n,l=0) | 2.7 0 | 1.4 2 | | | AreaAnalysis* | 42 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Dy^{161}$ | Resonance Energy | 2.7 0 | 1.9 1 | | | TimeOfFlight | 9 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Dy^{161}$ | Resonance Energy | 2.7 0 | 5.1 1 | | | TimeOfFlight | 11 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Dy^{161}$ | Resonance Energy | 2.7 0 | 1.4 2 | | | AreaAnalysis* | 42 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{161}$ | Spin of Reson | 4.3 0 | 7.7 0 | | | TimeOfFlight | 2 | SAILOR 62B | Feb62 | BNL | Sailor. |
| $Dy^{161}$ | Spin of Reson | 2.7 0 | 3.7 0 | | | Polar T or R | 2 | BAP 7 305 | Apr62 | BNL | Young. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Dy^{161}$ | Strength Funct | 1.4 2 | 1.4 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{161}$ | Strength Funct | 1.5 4 | 1.5 4 | | | AverageTrans* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{161}$ | Level Spacing | 1.4 2 | 1.4 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Dy^{162}$ | Sigma | 2.2 -2 | 1.0 0 | | σ(Total) | TimeOfFlight | 78 | AE 16 56 | Jan64 | KUR | Danelian,L.S.+ |
| $Dy^{162}$ | Sigma | 2.9 4 | 1.6 5 | | Indium | TimeOfFlight | 21 | 66PARIS/I- 469 | Oct66 | OBN | Kononov. |
| $Dy^{162}$ | Spectrum | 5.5 0 | 5.5 0 | | Arb Units | γ-Spectromet | 5 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Dy^{162}$ | Scatt Radius | 8.6 2 | 8.6 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Dy^{162}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13*1699 | Dec68 | GIT | Oms,L.A.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Dy^{162}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Dy^{162}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | BAP 3 337 | Aug58 | KAP | Rayburn. |
| $Dy^{162}$ | Sigma | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{162}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{162}$ | Reson Integral | 5.0 -1 | 5.0 -1 | S | Au(n,γ) | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{162}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Dy^{162}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | BAP 3 337 | Aug58 | KAP | Rayburn. |
| | γ-WIDTH | | | | | | | | | | |
| $Dy^{162}$ | Γ(γ) | 5.4 0 | 5.4 0 | | | AreaAnalysis | 1 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{162}$ | Γ(γ) | 5.4 0 | 7.1 1 | | | AreaAnalysis* | 2 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{162}$ | <Γ(γ)> | 8.6 2 | 8.6 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | n-WIDTH | | | | | | | | | | |
| $Dy^{162}$ | Γ(n) | 5.4 0 | 6.5 2 | | | AreaAnalysis | 4 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{162}$ | Γ(n) | 5.4 0 | 6.6 2 | | | AreaAnalysis | 3 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Dy^{162}$ | Γ(n) | 5.4 0 | 8.6 2 | | | AreaAnalysis* | 14 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{162}$ | Γ(n,l=0) | 5.4 0 | 6.5 2 | | | AreaAnalysis | 4 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{162}$ | Γ(n,l=0) | 5.4 0 | 8.6 2 | | | AreaAnalysis* | 14 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Dy^{162}$ | Resonance Energy | 5.5 0 | 5.5 0 | | | TimeOfFlight | 1 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Dy^{162}$ | Resonance Energy | 5.4 0 | 8.6 2 | | | AreaAnalysis* | 14 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Dy^{162}$ | Strength Funct | 8.6 2 | 8.6 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{162}$ | Strength Funct | 1.5 4 | 1.5 4 | | | AverageTrans* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{162}$ | Strength Fn(l=2) | 9.5 4 | 9.5 4 | | | | 1 | YF 5 129 | Jan67 | CCP | Kononov. |
| $Dy^{162}$ | Level Spacing | 8.6 2 | 8.6 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Dy^{163}$ | Sigma | 2.1 -2 | 1.0 0 | | σ(Total) | TimeOfFlight | 84 | AE 16 56 | Jan64 | KUR | Danelian,L.S.+ |
| $Dy^{163}$ | Sigma | 2.9 4 | 1.5 5 | | Indium | TimeOfFlight | 19 | 66PARIS/I- 469 | Oct66 | ORN | Kononov. |
| $Dy^{163}$ | Spectrum | 1.7 0 | 1.7 0 | | Arb Units | γ-Spectromet | 10 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Dy^{163}$ | Scatt Radius | 2.2 2 | 2.2 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F. |
| | (n,p) REACTION | | | | | | | | | | |
| $Dy^{163}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Dy^{163}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13 1699 | Dec68 | GIT | Oms,L.A.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Dy^{163}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Dy^{163}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Dy^{163}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | BAP 3 337 | Aug58 | KAP | Rayburn. |
| $Dy^{163}$ | Sigma | 2.4 4 | 2.4 4 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| $Dy^{163}$ | Sigma | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{163}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{163}$ | Reson Integral | 5.0 -1 | 5.0 -1 | S | Au(n,γ) | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{163}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Dy^{163}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | BAP 3 337 | Aug58 | KAP | Rayburn. |
| | γ-WIDTH | | | | | | | | | | |
| $Dy^{163}$ | Γ(γ) | 1.7 0 | 1.7 0 | | | AreaAnalysis | 1 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{163}$ | Γ(γ) | 1.7 0 | 1.7 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Dy^{163}$ | Γ(γ) | 1.6 1 | 5.9 1 | | | AreaAnalysis* | 3 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{163}$ | $\langle\Gamma(\gamma)\rangle$ | 2.2 2 | 2.2 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | n-WIDTH | | | | | | | | | | |
| $Dy^{163}$ | Γ(n) | 1.7 0 | 1.7 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Dy^{163}$ | 2gΓ(n) | 1.7 0 | 9.4 1 | | | AreaAnalysis | 10 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{163}$ | 2gΓ(n) | 1.7 0 | 9.4 1 | | | AreaAnalysis | 9 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Dy^{163}$ | 2gΓ(n) | 1.7 0 | 2.2 2 | | | AreaAnalysis* | 18 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{163}$ | 2gΓ(n,l=0) | 1.7 0 | 9.4 1 | | | AreaAnalysis | 10 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{163}$ | 2gΓ(n,l=0) | -5.2 -1 | -5.2 -1 | | | Shape Analys | 1 | AE 16 56 | Jan64 | KUR | Danelian,L.S.+ |
| $Dy^{163}$ | 2gΓ(n,l=0) | 1.7 0 | 1.7 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Dy^{163}$ | 2gΓ(n,l=0) | 1.7 0 | 2.2 2 | | | AreaAnalysis* | 18 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{163}$ | Γ(n)/Γ | 1.7 0 | 1.7 0 | | | Scattering | 1 | NP 62 641 | Feb65 | MOL | Ceulemans,H.+ |
| | FISSION WIDTH | | | | | | | | | | |
| $Dy^{163}$ | Γ(Fiss)/Γ | 1.7 0 | 1.7 0 | | | TimeOfFlight | 1 | NP 62 641 | Feb65 | MOL | Ceulemans,H.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Dy^{163}$ | Γ | 1.7 0 | 1.7 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Dy^{163}$ | Resonance Energy | 1.7 0 | 1.7 1 | | | TimeOfFlight | 2 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Dy^{163}$ | Resonance Energy | 1.7 0 | 1.7 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Dy^{163}$ | Resonance Energy | 1.7 0 | 2.2 2 | | | AreaAnalysis* | 18 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{163}$ | Resonance Energy | 1.7 0 | 2.9 2 | | | * | 8 | BAP 15 1667 A | Dec70 | BNL | Mughabghab,S.F.+ |
| $Dy^{163}$ | σ(0) | 1.7 0 | 1.7 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Dy^{163}$ | Spin of Reson | 1.7 0 | 1.7 0 | | | Polar T or B | 1 | BAP 7 305 | Apr62 | BNL | Young. |
| $Dy^{163}$ | Spin of Reson | 1.7 0 | 1.7 0 | | | Scattering | 1 | NP 62 641 | Feb65 | MOL | Ceulemans,H.+ |
| $Dy^{163}$ | Spin of Reson | 1.7 0 | 2.9 2 | | | * | 8 | BAP 15 1667 A | Dec70 | BNL | Mughabghab,S.F.+ |
| $Dy^{163}$ | Stat Weight Fact | 1.7 0 | 1.7 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Dy^{163}$ | Strength Funct | 2.2 2 | 2.2 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{163}$ | Strength Funct | 1.5 4 | 1.5 4 | | | AverageTrans* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{163}$ | Level Spacing | 2.2 2 | 2.2 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | ZN 1 190 | Apr46 | GER | Flammersfeld,A. |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ANL-4010 55 | 47 | ANL | Goldhaber. |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 72 888 | Nov47 | ANL | Seren,L.+ |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | ZN A 9 115 | Feb54 | GER | |
| $Dy^{164}$ | Sigma | 2.0 4 | 2.0 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Dy^{164}$ | Sigma | 2.0 4 | 2.0 4 | N | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | NP 12 261 | 59 | MUA | Sehgal. |
| $Dy^{164}$ | Sigma | 1.4 5 | 5.5 6 | | $U^{235}(n,f)$ | Activation | 17 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Dy^{164}$ | Sigma | 1.4 5 | 5.5 6 | N | $U^{235}(n,f)$ | Activation | 17 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Dy^{164}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 2 | PR 118 242 | Apr60 | ARK | Willie. |
| $Dy^{164}$ | Sigma | 1.0 -1 | 2.0 0 | | σ(E≠E(th)) | Crystal Spec | 7 | NSE 11 369 | 61 | BNL | Sher,S.+ |
| $Dy^{164}$ | Sigma | 6.0 -2 | 6.0 -2 | | Au(n,γ) | Crystal Spec | 1 | NSE 11 369 | 61 | BNL | Sher,S.+ |
| $Dy^{164}$ | Sigma | 2.5 -2 | 6.0 -2 | | Au(n,γ) | Activation | 2 | NSE 11 369 | 61 | BNL | Sher,S.+ |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Dy^{164}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NP 66 267 | May65 | MUA | Chaubey,A.K.+ |
| $Dy^{164}$ | Sigma | 1.0 6 | 1.0 6 | | Indium | * | 1 | 68WASH-1263 | Mar68 | MOL | Fabry,A.+ |
| $Dy^{164}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 2 | NP A117 545 A | Sep68 | MUA | Chaubey,A.K.+ |
| $Dy^{164}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | Ge(Li)Detect | 15 | PR 152 1084 | Dec66 | LAS | Hafemeister,D. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Dy^{164}$ | Scatt Radius | 1.3 3 | 1.3 3 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Dy^{164}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Dy^{164}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 69 153 | Jul65 | MUA | Khurana,C.S.+ |
| $Dy^{164}$ | Sigma | 1.4 7 | 1.4 7 | | Iron | Ge(Li)Detect | 1 | BAP 13 1699 | Dec68 | GIT | Oms,L.A.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | BAP 3 337 | Aug58 | KAP | Rayburn. |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{164}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{164}$ | Reson Integral | 5.0 -1 | 5.0 -1 | S | Au(n,$\gamma$) | ReactivityCo | 1 | NSE 25 12 | 66 | MTR | Scoville. |
| $Dy^{164}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,$\gamma$) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | BAP 3 337 | Aug58 | KAP | Rayburn. |
| $Dy^{164}$ | Sigma | 5.3 -4 | 1.4 -1 | | Absolute | TimeOfFlight | 37 | BAP 6 70 | 61 | KAP | Slaughter. |
| $Dy^{164}$ | Sigma | 2.0 -2 | 1.6 0 | | Absolute | Crystal Spec | 32 | NSE 11 369 | 61 | BNL | Sher,S.+ |
| $Dy^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | EANDC/J- 10 1 | Nov68 | JAE | Ohno,Y.+ |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Dy^{164}$ | $\Gamma(\gamma)$ | -1.9 0 | 1.5 2 | | | AreaAnalysis* | 2 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{164}$ | $\langle\Gamma(\gamma)\rangle$ | 1.3 3 | 1.3 3 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | n-WIDTH | | | | | | | | | | |
| $Dy^{164}$ | $\Gamma(n)$ | 1.5 2 | 1.5 2 | | | AreaAnalysis | 1 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{164}$ | $\Gamma(n)$ | 1.5 2 | 1.5 2 | | | AreaAnalysis | 1 | BAP 9 433 | Apr64 | BNL | Mughabghab. |
| $Dy^{164}$ | $\Gamma(n)$ | 1.5 2 | 1.3 3 | | | AreaAnalysis* | 7 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{164}$ | $\Gamma(n,l=0)$ | 1.5 2 | 1.5 2 | | | AreaAnalysis | 1 | BAP 2 42 | Feb57 | BNL | Zimmerman. |
| $Dy^{164}$ | $\Gamma(n,l=0)$ | -1.9 0 | -1.9 0 | | | Shape Analys | 1 | NSE 11 369 | 61 | BNL | Sher,S.+ |
| $Dy^{164}$ | $\Gamma(n,l=0)$ | -1.9 0 | 1.3 3 | | | AreaAnalysis* | 8 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Dy^{164}$ | $\Gamma$ | -1.9 0 | -1.9 0 | | | Shape Analys | 1 | NSE 11 369 | 61 | BNL | Sher,S.+ |
| $Dy^{164}$ | $\Gamma^2\sigma(0)$ | -1.9 0 | -1.9 0 | | | Shape Analys | 1 | NSE 11 369 | 61 | BNL | Sher,S.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Dy^{164}$ | Resonance Energy | -1.9 0 | 1.3 3 | | | AreaAnalysis* | 8 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Dy^{164}$ | Strength Funct | 1.3 3 | 1.3 3 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| $Dy^{164}$ | Level Spacing | 1.3 3 | 1.3 3 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| $Dy^{165}$ | Spin cut-off Par | 2.4 4 | 2.4 4 | | | * | 1 | NP A117 545 | Sep68 | MUA | Chaubey,A.K.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ho165 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| Ho165 | Sigma | 1.6 5 | 2.5 6 | | U235(n,f) | Activation | 15 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| Ho165 | Sigma | 1.6 5 | 2.5 6 | N | U235(n,f) | Activation | 15 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| Ho165 | Sigma | 9.5 3 | 1.7 5 | | Indium | Scint Tank | 57 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Ho165 | Sigma | 2.0 2 | 9.4 3 | | | TimeOfFlight | 50 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Ho165 | Sigma | 2.5 -2 | 2.5 -2 | | Co59 | Activation | 1 | KEISCH 62 | 62 | MTR | Keisch. |
| Ho165 | Sigma | 2.4 4 | 2.4 4 | | I127 | Activation * | 1 | NP 66 267 | May65 | MUA | Chaubey,A.K.+ |
| Ho165 | Sigma | 3.7 -1 | 4.2 4 | | | Slowing-Down | 155 | 65ANTWRP-202 | Jul65 | DUB | Konks. |
| Ho165 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| Ho165 | Sigma | 1.3 7 | 1.5 7 | | σ(E#E(th)) | Activation * | 7 | NP A 95 229 A | Mar67 | DEB | Csikai,J.+ |
| Ho165 | Sigma | 3.0 6 | 3.0 6 | | P31(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| Ho165 | Sigma | 9.7 5 | 1.9 7 | | U235(n,f) | Activation | 17 | PR 163 1299 | Nov67 | LOK | Menlove. |
| Ho165 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | JIN 30 15 | Jan68 | LRL | Nethaway. |
| Ho165 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| Ho165 | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 8 | NC 27 538 | Jan63 | CAS | Giannini,M.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Ho165 | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight* | 62 | SMITH 70B | Feb70 | ANL | Smith,A.B.+ |
| Ho165 | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Ho165 | Ang Distrib | 3.5 5 | 3.5 5 | | Carbon | PlasticScint | 12 | PR 139B 29 | Jul65 | ORL | Wagner,R.+ |
| Ho165 | Legendre Pit | 3.0 5 | 1.5 6 | | *4Pi/Sigma | TimeOfFlight* | 310 | SMITH 70B | Feb70 | ANL | Smith,A.B.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| Ho165 | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Ho165 | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Ho165 | Sigma | 4.2 5 | 1.5 6 | | Carbon | TimeOfFlight* | 163 | SMITH 70B | Feb70 | ANL | Smith,A.B.+ |
| Ho165 | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Ho165 | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | IEA- 99 | Aug65 | BZL | Mattos. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ho165 | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 110 37 | Apr58 | ORL | Koehler,W.C.+ |
| Ho165 | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 110 37 | Apr58 | ORL | Koehler,W.C.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Ho165 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| Ho165 | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation * | 1 | NP 51 337 | Feb64 | TUR | Bonazzola,G.C.+ |
| Ho165 | Sigma | 1.4 7 | 1.4 7 | | | Activation | 3 | NP 85 227 | Sep66 | SAH | Sethi,B.+ |
| Ho165 | Sigma | 1.3 7 | 1.9 7 | | σ(E#E(th)) | Activation | 10 | PR 163 1308 | Nov67 | LOK | Menlove. |
| Ho165 | Sigma | 1.3 7 | 1.9 7 | | H(n,n) | Activation * | 9 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| Ho165 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 2 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| Ho165 | Sigma | 1.3 7 | 1.9 7 | | | Activation | 11 | HPA 43 17 | Feb70 | BAS | Steiner,E.+ |
| | (n,p) REACTION | | | | | | | | | | |
| Ho165 | Sigma | 1.4 7 | 1.4 7 | | Absolute | Activation | 2 | JPJ 16 2371 | Dec61 | HYO | Fukuzawa,F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| Ho165 | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| Ho165 | Ang Distrib | 1.5 7 | 1.5 7 | | | Solidstate C | 13 | NP 46 51 | Jul63 | CIS | Marcazzan,G.M.+ |
| Ho165 | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Solidstate C | 1 | NP 46 51 | Jul63 | CIS | Marcazzan,G.M.+ |
| Ho165 | (θ,E)-Distrib | 1.5 7 | 1.5 7 | | Absolute | Solidstate C | 12 | NP A149 513 | Jul70 | TIT | Kitazawa,H. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ho165 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ho165 | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | SCHERMER 61J | Oct61 | BNL | Schermer. |
| Ho165 | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | IEA- 99 | Aug65 | BZL | Mattos. |
| Ho165 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ho165 | Sigma | 2.6 -2 | 5.0 -1 | | Absolute | Crystal Spec | 20 | PR 87 487 | Aug52 | ORL | Bernstein,S.+ |
| Ho165 | Sigma | 2.2 -1 | 1.1 1 | | Absolute | Crystal Spec | 54 | PR 92 656 | Nov53 | BNL | Foote. |
| Ho165 | Sigma | 5.0 4 | 2.9 6 | | Absolute | Accelerator | 27 | PR 93 461 | Feb54 | WIS | Okazaki. |
| Ho165 | Sigma | 3.0 0 | 3.4 2 | | Absolute | TimeOfFlight | 259 | PR 99 10 | Jul55 | BNL | Harvey. |
| Ho165 | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Ho165 | Sigma | 1.7 -2 | 1.3 0 | | | Crystal Spec | 63 | SCHERMER 64B | Feb64 | BNL | Schermer. |
| Ho165 | Sigma | 2.2 -4 | 2.4 -3 | | Au(n,γ) | TimeOfFlight | 8 | EANDC/E- 57 22 | Feb65 | MUN | Knorr. |
| Ho165 | Sigma | 3.0 5 | 4.0 5 | | Absolute | TimeOfFlight | 11 | PR 139B 29 | Jul65 | ORL | Wagner,R.+ |
| Ho165 | Sigma | 8.0 6 | 8.0 6 | | Absolute | Accelerator | 1 | PL 19 684 | Jan66 | STF | Shelley. |
| Ho165 | Sigma | 1.5 7 | 1.5 7 | S | Absolute | Accelerator | 1 | PL 19 684 | Jan66 | STF | Shelley. |
| Ho165 | Sigma | 1.4 7 | 1.4 7 | | Copper | | 1 | PRL 16 194 | Jan66 | NBS | Marshak,H.+ |
| Ho165 | Sigma | 1.4 7 | 1.4 7 | | | Liquid Scint | 1 | PR 150 996 | Oct66 | NBS | Marshak,H.+ |
| Ho165 | Sigma | 8.3 5 | 1.1 6 | | Absolute | Transmission | 6 | JPJ 22 368 | Feb67 | ISS | Kobayashi,S.+ |
| Ho165 | Sigma | 1.0 -3 | 1.7 0 | | Absolute | TimeOfFlight | 100 | NP A 95 683 | Apr67 | BZL | Zimmerman,R.L.+ |
| Ho165 | Sigma | 2.4 6 | 1.5 7 | | Absolute | TimeOfFlight | 233 | POSTER 67E | May67 | BNW | Poster. |
| Ho165 | Sigma | 8.0 6 | 1.5 7 | | Absolute | Accelerator | 2 | PR 157 1149 | May67 | STF | Pisher,T.R.+ |
| Ho165 | Sigma | 2.5 3 | 2.0 6 | | | | 96 | STUPEGIA 67G | Jul67 | ANL | Stupegia. |
| Ho165 | Sigma | 3.3 5 | 5.6 6 | | | | 5 | PRL 20 502 | Mar68 | STF | Mc Carthy,J.S.+ |
| Ho165 | Sigma | 6.1 5 | 1.4 6 | | Absolute | TimeOfFlight* | 5 | SMITH 70B | Feb70 | ANL | Smith,A.B.+ |
| Ho165 | Sigma | 1.0 5 | 1.5 6 | | Absolute | Transmission* | 747 | SMITH 70B | Feb70 | ANL | Smith,A.B.+ |
| Ho165 | Sigma | 1.1 6 | 1.4 8 | | Absolute | Transmission* | 103 | PR C 2 1862 | Nov70 | NBS | Marshak,H.+ |
| Ho165 | Sigma | 3.6 1 | 3.1 3 | | Absolute | TimeOfFlight | 13787 | TELLIER 71L | Dec71 | SAC | Tellier,H. |
| | γ-WIDTH | | | | | | | | | | |
| Ho165 | Γ(γ) | 1.8 1 | 8.7 1 | | | AreaAnalysis | 7 | PR 99 10 | Jul55 | BNL | Harvey. |
| Ho165 | Γ(γ) | 3.9 0 | 3.9 0 | | | Shape Analys | 1 | WASH-1034 | 61 | BNL | Sailor. |
| Ho165 | Γ(γ) | 3.5 1 | 2.6 2 | | | AreaAnalysis | 46 | AERE/NP/GEN-47 | Apr67 | HAR | Asghar,M.+ |
| Ho165 | Γ(γ) | 3.5 1 | 2.6 2 | | | | 46 | NP A108 535 | Feb68 | HAR | Asghar,M.+ |
| Ho165 | Γ(γ) | 8.2 0 | 6.4 2 | | | Shape Analys* | 86 | TELLIER 71H | Aug71 | SAC | Tellier,H. |
| | n-WIDTH | | | | | | | | | | |
| Ho165 | Γ(n) | 3.9 0 | 3.9 0 | | | Shape Analys | 1 | WASH-1034 | 61 | BNL | Sailor. |
| Ho165 | Γ(n) | 3.9 0 | 3.9 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| Ho165 | Γ(n) | 8.1 0 | 2.6 2 | | | AreaAnalysis | 73 | AERE/NP/GEN-47 | Apr67 | HAR | Asghar,M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | |
| $Ho^{165}$ | $\Gamma(n)$ | 8.1 | 0 | 2.6 | 2 | | | | 74 | NP A108 535 | Feb68 | HAR | Asghar,M.+ |
| $Ho^{165}$ | $\Gamma(n)$ | 3.9 | 0 | 3.9 | 0 | | | AreaAnalysis | 1 | NIM 60 113 | Mar68 | TRM | |
| $Ho^{165}$ | $2g\Gamma(n)$ | 3.9 | 0 | 1.3 | 2 | | | AreaAnalysis | 20 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Ho^{165}$ | $2g\Gamma(n)$ | 1.9 | 2 | 4.9 | 2 | | | TimeOfFlight | 39 | P-2209 | 65 | DUB | Karzhavina. |
| $Ho^{165}$ | $2g\Gamma(n)$ | 3.9 | 0 | 1.9 | 2 | | | Shape Analys | 34 | P-2593 | 66 | DUB | Karzhavina. |
| $Ho^{165}$ | $2g\Gamma(n)$ | 8.2 | 0 | 1.2 | 3 | | | Shape Analys* | 278 | TELLIER 71H | Aug71 | SAC | Tellier,H. |
| $Ho^{165}$ | $\Gamma(n,l=0)$ | 3.9 | 0 | 3.9 | 0 | | | Shape Analys | 1 | WASH-1034 | 61 | BNL | Sailor. |
| $Ho^{165}$ | $2g\Gamma(n,l=0)$ | 3.9 | 0 | 1.3 | 2 | | | AreaAnalysis | 18 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Ho^{165}$ | $2g\Gamma(n,l=0)$ | 1.9 | 2 | 4.9 | 2 | | | TimeOfFlight | 39 | P-2209 | 65 | DUB | Karzhavina. |
| $Ho^{165}$ | $2g\Gamma(n,l=0)$ | 3.9 | 0 | 1.9 | 2 | | | Shape Analys | 34 | P-2593 | 66 | DUB | Karzhavina. |
| $Ho^{165}$ | $2g\Gamma(n,l=0)$ | 3.9 | 0 | 4.9 | 2 | | | AreaAnalysis | 74 | YF 5 471 | Mar67 | DUB | Karzhavina,E.N.+ |
| $Ho^{165}$ | $2g\Gamma(n,l=0)$ | 8.2 | 0 | 1.2 | 3 | | | Shape Analys* | 278 | TELLIER 71H | Aug71 | SAC | Tellier,H. |
| $Ho^{165}$ | $\Gamma(n)\sigma(0)$ | 3.5 | 1 | 3.0 | 2 | | | | 52 | NP A108 535 | Feb68 | HAR | Asghar,M.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Ho^{165}$ | $\Gamma$ | 3.9 | 0 | 3.9 | 0 | | | Shape Analys | 1 | WASH-1034 | 61 | BNL | Sailor. |
| $Ho^{165}$ | $\Gamma$ | 3.9 | 0 | 1.1 | 2 | | | Shape Analys | 17 | P-2593 | 66 | DUB | Karzhavina. |
| $Ho^{165}$ | $\Gamma$ | 3.9 | 0 | 3.9 | 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ho^{165}$ | $\Gamma$ | 3.9 | 0 | 1.1 | 2 | | | AreaAnalysis | 17 | YF 5 471 | Mar67 | DUB | Karzhavina,E.N.+ |
| $Ho^{165}$ | $\Gamma$ | 8.2 | 0 | 1.2 | 3 | | | Shape Analys* | 126 | TELLIER 71H | Aug71 | SAC | Tellier,H. |
| $Ho^{165}$ | $\Gamma\sigma(0)$ | 3.9 | 0 | 3.9 | 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ho^{165}$ | $\Gamma\sigma(0)$ | 3.9 | 0 | 3.9 | 0 | | | AreaAnalysis | 1 | NIM 60 113 | Mar68 | TRM | |
| $Ho^{165}$ | $\Gamma^2\sigma(0)$ | 4.0 | 0 | 1.3 | 1 | | | TimeOfFlight | 2 | PR 92 656 | Nov53 | BNL | Foote. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Ho^{165}$ | Resonance Energy | 1.9 | 1 | 2.2 | 1 | | | TimeOfFlight | 2 | PR 92 656 | Nov53 | BNL | Foote. |
| $Ho^{165}$ | Resonance Energy | 4.0 | 0 | 2.2 | 1 | | | TimeOfFlight | 4 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Ho^{165}$ | Resonance Energy | 2.7 | 2 | 5.1 | 2 | | | TimeOfFlight | 15 | P-2209 | 65 | DUB | Karzhavina. |
| $Ho^{165}$ | Resonance Energy | 3.9 | 0 | 3.0 | 2 | | | * | 39 | NP A108 535 | Feb68 | HAR | Asghar,M.+ |
| $Ho^{165}$ | Resonance Energy | 8.2 | 0 | 1.7 | 3 | | | Shape Analys* | 350 | TELLIER 71H | Aug71 | SAC | Tellier,H. |
| $Ho^{165}$ | $\sigma(0)$ | 3.9 | 0 | 3.9 | 0 | | | Shape Analys | 1 | WASH-1034 | 61 | BNL | Sailor. |
| $Ho^{165}$ | $\sigma(0)$ | 3.9 | 0 | 3.9 | 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ho^{165}$ | Spin of Reson | 3.9 | 0 | 3.9 | 0 | | | Shape Analys | 1 | WASH-1034 | 61 | BNL | Sailor. |
| $Ho^{165}$ | Spin of Reson | 3.9 | 0 | 1.3 | 1 | | | TimeOfFlight | 2 | PR 126 979 | May62 | BNL | Postma. |
| $Ho^{165}$ | Spin of Reson | 1.8 | 1 | 2.1 | 1 | | | Polar T or B | 2 | PR 137B1484 | Mar65 | BNL | Brunhart,G.+ |
| $Ho^{165}$ | Spin of Reson | 1.8 | 1 | 2.1 | 1 | | | TimeOfFlight | 2 | PR 137B1484 | Mar65 | BNL | Brunhart,G.+ |
| $Ho^{165}$ | Spin of Reson | 3.9 | 0 | 5.4 | 1 | | | TimeOfFlight | 11 | 65ANTWRP-223 | Jul65 | DUB | Alfimenkov. |
| $Ho^{165}$ | Spin of Reson | 3.9 | 0 | 5.4 | 1 | | | Polar T or B | 11 | YF 3 55 | Jan66 | DUB | Alfimenkov. |
| $Ho^{165}$ | Spin of Reson | 3.9 | 0 | 3.0 | 2 | | | | 77 | NP A108 535 | Feb68 | HAR | Asghar,M.+ |
| $Ho^{165}$ | Spin of Reson | 8.2 | 0 | 6.4 | 2 | | | Shape Analys* | 103 | TELLIER 71H | Aug71 | SAC | Tellier,H. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Ho^{165}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Ho^{165}$ | Strength Fn(l=0) | 1.2 | 3 | 1.2 | 3 | | Absolute | Shape Analys* | 1 | TELLIER 71H | Aug71 | SAC | Tellier,H. |
| $Ho^{165}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Ho^{165}$ | Lvl Spacing(l=0) | 1.0 | 2 | 1.0 | 2 | | Absolute | Shape Analys* | 1 | TELLIER 71H | Aug71 | SAC | Tellier,H. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Ho^{167}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Ho^{167}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Er | Sigma | 9.4 3 | 1.7 5 | | Indium | Scint Tank | 51 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Er | Sigma | 2.0 2 | 7.8 3 | | | Scint Tank | 45 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Er | Sigma | 6.5 4 | 6.5 4 | | Indium | Scint Tank | 1 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Er | Sigma | 1.0 -2 | 1.2 0 | | | Liquid Scint | 88 | HADDAD 64B | Feb64 | GA | Haddad. |
| Er | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 5 | NC 27 1032 | Feb63 | CAS | Giannini,M.+ |
| Er | Spectrum | 4.6 -1 | 5.8 -1 | | Arb Units | γ-Spectromet | 8 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| Er | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 55 | BAS 29 772 | May65 | CCP | Groshev,L.V.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Er | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Er | Ang Distrib | 1.4 6 | 1.4 6 | | H(n,n) | TimeOfFlight | 13 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| Er | Legendre Fit | 1.4 6 | 1.4 6 | | H(n,n) | TimeOfFlight | 7 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| Er | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Er | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Er | Ang Distrib | 2.0 6 | 3.5 6 | | H(n,n) | TimeOfFlight | 52 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| Er | Legendre Fit | 2.0 6 | 3.5 6 | | H(n,n) | TimeOfFlight | 26 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| | INEL SCATTERING | | | | | | | | | | |
| Er | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Er | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| Er | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | 66PARIS/I- 53 | Oct66 | BZL | Zimmerman. |
| Er | σ(Averaged) | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | IEA- 86 | Nov63 | BZL | Amaral. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Er | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| Er | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 91 597 | Aug53 | ORL | Koehler. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Er | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Er | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | 66PARIS/I- 53 | Oct66 | BZL | Zimmerman. |
| Er | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Er | Sigma | 2.5 -2 | 2.5 -2 | | | Extrapolatn | 1 | PR 87 487 | Aug52 | ORL | Bernstein,S.+ |
| Er | Sigma | 1.0 0 | 5.6 1 | | Absolute | Crystal Spec | 77 | PR 96 1014 | Nov54 | BNL | Sailor. |
| Er | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 3 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Er | Sigma | 2.1 -1 | 8.9 -1 | | | Crystal Spec | 86 | NSE 8 183 | 60 | BNL | Moller. |
| Er | Sigma | 2.1 -1 | 8.9 -1 | | Absolute | Crystal Spec | 86 | NSE 8 183 | 60 | BNL | Moller. |
| Er | Sigma | 1.0 -3 | 6.5 -1 | | Absolute | TimeOfFlight | 126 | ANS 3 462 | Dec60 | KAP | Roesser. |
| Er | Sigma | 6.7 -4 | 2.9 -1 | | | | 32 | IEA- 86 | Nov63 | BZL | Amaral. |
| Er | Sigma | 5.0 3 | 6.4 5 | | Absolute | Accelerator | 93 | PL 16 306 | Jun65 | DKE | Seth. |
| Er | Sigma | 3.4 -4 | 2.5 -3 | | Au(n,γ) | TimeOfFlight | 7 | EANDC/E- 66 29 | Feb66 | MUN | Knorr. |
| Er | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | 66PARIS/I- 53 | Oct66 | BZL | Zimmerman. |
| Er | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 234 | FOSTER 67E | May67 | BNW | Foster. |
| | AVERAGED PARAM | | | | | | | | | | |
| Er | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Er | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Er^{162}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | CNI- 6 | Jan59 | ANL | Segre. |
| $Er^{162}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 1 | Nov70 | OSL | Glemset,O.+ |
| $Er^{162}$ | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 1 | Nov70 | OSL | Glemset,O.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Er^{162}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation * | 1 | NP A125 57 | Feb69 | AUW | Rama Prasad,P.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Er^{162}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Er^{162}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Er^{162}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| $Er^{162}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | UPZ 11 240 | 66 | UKR | Vlasov. |
| | n-WIDTH | | | | | | | | | | |
| $Er^{162}$ | Γ(n) | 1.5 1 | 4.6 1 | | | AreaAnalysis | 2 | ZIMMERMAN 57H | Aug57 | BNL | Zimmerman. |
| $Er^{162}$ | Γ(n) | 7.7 0 | 2.1 1 | | | AreaAnalysis | 3 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| $Er^{162}$ | Γ(n) | 5.5 0 | 2.3 2 | | | AreaAnalysis | 17 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{162}$ | Γ(n) | 1.4 7 | 6.6 7 | | | AreaAnalysis | 6 | NYO/72-191 | Jan68 | COL | Liou. |
| $Er^{162}$ | Γ(n,l=0) | 5.5 0 | 2.3 2 | | | AreaAnalysis | 17 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Er^{162}$ | Strength Fn(l=0) | 1.2 2 | 1.2 2 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{162}$ | Strength Fn(l=0) | 1.0 4 | 1.0 4 | | | AverageTrans | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{162}$ | Strength Fn(l=0) | 1.2 2 | 1.2 2 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{162}$ | Level Spacing | 1.2 8 | 1.2 8 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{162}$ | Level Spacing | 1.0 4 | 1.0 4 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Er^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | CNI- 6 | Jan59 | ANL | Segre. |
| $Er^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 1 | Nov70 | OSL | Glemset,O.+ |
| $Er^{164}$ | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 1 | Nov70 | OSL | Glemset,O.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Er^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Er^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Er^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| $Er^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | C | | Breit-Wigner | 1 | MUGHABGHAB 66 | 66 | BNL | Mughabghab. |
| $Er^{164}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | n-WIDTH | | | | | | | | | | |
| $Er^{164}$ | Γ(n) | 3.0 1 | 5.6 7 | | | AreaAnalysis | 2 | ZIMMERMAN 57H | Aug57 | BNL | Zimmerman. |
| $Er^{164}$ | Γ(n) | 7.9 0 | 7.9 0 | | | AreaAnalysis | 1 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| $Er^{164}$ | Γ(n) | 3.0 1 | 3.0 1 | S | | AreaAnalysis | 1 | BAP 11 334 | 66 | BNL | Mughabghab. |
| $Er^{164}$ | Γ(n) | 7.8 0 | 6.1 2 | | | AreaAnalysis | 14 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{164}$ | Γ(n) | 7.9 0 | 2.3 2 | | | AreaAnalysis | 12 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{164}$ | Γ(n) | 3.1 7 | 7.5 8 | | | AreaAnalysis | 13 | NYO/72-191 | Jan68 | COL | Liou. |
| $Er^{164}$ | Γ(n,l=0) | 3.0 1 | 3.0 1 | S | | AreaAnalysis | 1 | BAP 11 334 | 66 | BNL | Mughabghab. |
| $Er^{164}$ | Γ(n,l=0) | 7.8 0 | 6.1 2 | | | AreaAnalysis | 14 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{164}$ | Γ(n,l=0) | 7.9 0 | 2.3 2 | | | AreaAnalysis | 12 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Er^{164}$ | Resonance Energy | 3.0 1 | 5.7 1 | | | CaptureGamma | 2 | HADDAD 64B | Feb64 | GA | Haddad. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Er^{164}$ | Strength Funct | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{164}$ | Strength Fn(l=0) | 1.3 2 | 1.3 2 | | | | 1 | NYO/72-132 | Jan67 | COL | |
| $Er^{164}$ | Strength Fn(l=0) | 1.2 2 | 1.2 2 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{164}$ | Strength Fn(l=0) | 1.0 4 | 1.0 4 | | | AverageTrans | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{164}$ | Strength Fn(l=0) | 1.2 2 | 1.2 2 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{164}$ | Level Spacing | 3.0 2 | 3.0 2 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{164}$ | Level Spacing | 1.2 8 | 1.2 8 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{164}$ | Level Spacing | 1.0 4 | 1.0 4 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Er^{166}$ | Sigma | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | BAP 3 336 | Aug58 | WES | Cranberg,L.+ |
| $Er^{166}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Activation | 1 | ADP 12 225 | 63 | ROS | Alexander. |
| $Er^{166}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | NYO-10175 | 64 | UCB | Arino. |
| $Er^{166}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Ratio | Ge(Li) Detect | 25 | PR 162 1112 | Oct67 | ANL | Prestwich,W.V.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Er^{166}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Er^{166}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Er^{166}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Er^{166}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ta181 | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Er^{166}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| | γ-WIDTH | | | | | | | | | | |
| $Er^{166}$ | Γ(γ) | 1.6 1 | 1.6 1 | | | AreaAnalysis | 1 | HADDAD 64B | Feb64 | GA | Haddad. |
| $Er^{166}$ | Γ(γ) | 1.6 1 | 3.0 2 | | | AreaAnalysis | 5 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{166}$ | Γ(γ) | 1.4 7 | 4.6 7 | | | AreaAnalysis | 3 | NYO/72-191 | Jan68 | COL | Liou. |
| | n-WIDTH | | | | | | | | | | |
| $Er^{166}$ | Γ(n) | 1.5 1 | 1.5 1 | | | AreaAnalysis | 1 | ZIMMERMAN 57H | Aug57 | BNL | Zimmerman. |
| $Er^{166}$ | Γ(n) | 1.6 1 | 8.2 1 | | | AreaAnalysis | 2 | HADDAD 64B | Feb64 | GA | Haddad. |
| $Er^{166}$ | Γ(n) | 1.6 1 | 1.6 1 | | | AreaAnalysis | 1 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| $Er^{166}$ | Γ(n) | 8.2 1 | 6.0 2 | S | | AreaAnalysis | 6 | BAP 11 334 | 66 | BNL | Mughabghab. |
| $Er^{166}$ | Γ(n) | 1.6 1 | 1.4 3 | | | AreaAnalysis | 24 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{166}$ | Γ(n) | 1.6 1 | 6.0 2 | | | AreaAnalysis | 11 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{166}$ | Γ(n) | 1.6 7 | 3.0 9 | | | AreaAnalysis | 51 | NYO/72-191 | Jan68 | COL | Liou. |
| $Er^{166}$ | Γ(n,l=0) | 8.2 1 | 6.0 2 | S | | AreaAnalysis | 6 | BAP 11 334 | 66 | BNL | Mughabghab. |
| $Er^{166}$ | Γ(n,l=0) | 1.6 1 | 1.4 3 | | | AreaAnalysis | 24 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{166}$ | Γ(n,l=0) | 1.6 1 | 6.0 2 | | | AreaAnalysis | 11 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Er^{166}$ | Γ | 1.6 1 | 3.0 2 | | | AreaAnalysis | 5 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Er^{166}$ | Resonance Energy | 7.3 1 | 7.3 1 | | | TimeOfFlight | 1 | ZIMMERMAN 57H | Aug57 | BNL | Zimmerman. |
| $Er^{166}$ | Resonance Energy | 7.4 1 | 7.4 1 | | | CaptureGamma | 1 | HADDAD 64B | Feb64 | GA | Haddad. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Er^{166}$ | Strength Funct | 7.0 2 | 7.0 2 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{166}$ | Strength Fn(l=0) | 1.4 3 | 1.4 3 | | | | 1 | NYO/72-132 | Jan67 | COL | |
| $Er^{166}$ | Strength Fn(l=0) | 3.1 2 | 3.1 2 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{166}$ | Strength Fn(l=0) | 3.1 2 | 3.1 2 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{166}$ | Level Spacing | 7.0 2 | 7.0 2 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{166}$ | Level Spacing | 3.1 8 | 3.1 8 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{166}$ | Level Spacing | 1.0 4 | 1.0 4 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Er^{167}$ | Sigma | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | BAP 3 336 | Aug58 | WES | Cranberg,L.+ |
| $Er^{167}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 2 | IRE 14 1 | Apr67 | RPI | |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Er^{167}$ | Sigma | 2.8 6 | 2.8 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| | (n,p) REACTION | | | | | | | | | | |
| $Er^{167}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Er^{167}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Er^{167}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ta181 | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ABSORPTION X-SECT** | | | | | | | | | | |
| $Er^{167}$ | Sigma | 2.4 4 | 2.4 4 | | | | 1 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | **TOTAL CROSS-SECT** | | | | | | | | | | |
| $Er^{167}$ | Sigma | 2.1 -1 | 8.9 -1 | | | Crystal Spec | 86 | NSE 8 183 | 60 | BNL | Moller. |
| $Er^{167}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| | **γ-WIDTH** | | | | | | | | | | |
| $Er^{167}$ | Γ(γ) | 4.6 -1 | 5.8 -1 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| $Er^{167}$ | Γ(γ) | 6.0 0 | 4.2 1 | | | AreaAnalysis | 7 | HADDAD 64B | Feb64 | GA | Haddad. |
| $Er^{167}$ | Γ(γ) | 7.0 0 | 2.1 2 | | | AreaAnalysis | 15 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{167}$ | Γ(γ) | 9.4 6 | 3.6 8 | | | AreaAnalysis | 15 | NYO/72-191 | Jan68 | COL | Liou. |
| | **n-WIDTH** | | | | | | | | | | |
| $Er^{167}$ | Γ(n) | 6.0 0 | 3.9 1 | | | AreaAnalysis | 7 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| $Er^{167}$ | 2gΓ(n) | 6.0 0 | 6.9 1 | | | AreaAnalysis | 16 | ZIMMERMAN 57H | Aug57 | BNL | Zimmerman. |
| $Er^{167}$ | 2gΓ(n) | 4.6 -1 | 5.8 -1 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| $Er^{167}$ | 2gΓ(n) | 5.9 0 | 9.3 0 | | | AreaAnalysis | 2 | AE 15 247 | 63 | UKR | Vlasov. |
| $Er^{167}$ | 2gΓ(n) | 1.2 2 | 1.4 2 | | | AreaAnalysis | 3 | GA-3874 | Mar63 | GA | Haddad. |
| $Er^{167}$ | 2gΓ(n) | 6.0 0 | 1.1 2 | | | AreaAnalysis | 17 | HADDAD 64B | Feb64 | GA | Haddad. |
| $Er^{167}$ | 2gΓ(n) | 2.0 1 | 2.0 1 | S | | AreaAnalysis | 1 | BAP 11 344 | 66 | BNL | Mughabghab. |
| $Er^{167}$ | 2gΓ(n) | 7.9 0 | 1.7 2 | S | | AreaAnalysis | 36 | LIOU 66 | 66 | COL | Liou. |
| $Er^{167}$ | 2gΓ(n) | 7.0 0 | 3.2 2 | | | AreaAnalysis | 56 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{167}$ | 2gΓ(n) | 4.6 -1 | 1.4 2 | | | AreaAnalysis | 19 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{167}$ | 2gΓ(n) | 8.0 6 | 6.5 8 | | | AreaAnalysis | 108 | NYO/72-191 | Jan68 | COL | Liou. |
| $Er^{167}$ | 2gΓ(n,l=0) | 6.0 0 | 2.6 1 | | | AreaAnalysis | 5 | ZIMMERMAN 57H | Aug57 | BNL | Zimmerman. |
| $Er^{167}$ | 2gΓ(n,l=0) | 4.6 -1 | 5.8 -1 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| $Er^{167}$ | 2gΓ(n,l=0) | 5.0 1 | 1.1 2 | | | AreaAnalysis | 2 | HADDAD 64B | Feb64 | GA | Haddad. |
| $Er^{167}$ | 2gΓ(n,l=0) | 2.0 1 | 7.4 1 | S | | AreaAnalysis | 5 | BAP 11 344 | 66 | BNL | Mughabghab. |
| $Er^{167}$ | 2gΓ(n,l=0) | 7.0 0 | 3.2 2 | | | AreaAnalysis | 56 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{167}$ | 2gΓ(n,l=0) | 4.6 -1 | 1.4 2 | | | AreaAnalysis | 31 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | **TOTAL WIDTH** | | | | | | | | | | |
| $Er^{167}$ | Γ | 4.6 -1 | 5.8 -1 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| $Er^{167}$ | Γ | 4.6 -1 | 5.8 -1 | | | Shape Analys | 2 | AERE/PR/NP- 2 15 | May62 | HAR | Moxon. |
| $Er^{167}$ | Γ | 7.9 0 | 7.9 0 | | | CaptureGamma | 1 | NP 71 129 | 65 | GA | Froehner,P.H.+ |
| $Er^{167}$ | Γ | 9.4 0 | 1.7 2 | S | | AreaAnalysis | 6 | LIOU 66 | 66 | COL | Liou. |
| $Er^{167}$ | Γ | 7.0 0 | 3.2 2 | | | AreaAnalysis | 72 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{167}$ | $Γ^2σ(0)$ | 4.6 -1 | 5.8 -1 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| | **OTHER RESON PARAM** | | | | | | | | | | |
| $Er^{167}$ | Resonance Energy | 4.7 -1 | 2.7 1 | | | TimeOfFlight | 5 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Er^{167}$ | Resonance Energy | 4.7 -1 | 9.4 1 | | | TimeOfFlight | 5 | ZIMMERMAN 57H | Aug57 | BNL | Zimmerman. |
| $Er^{167}$ | Resonance Energy | 4.7 -1 | 9.4 0 | | | CaptureGamma | 4 | NP 10 386 | 59 | YAL | Penstermacher,C.A.+ |
| $Er^{167}$ | Resonance Energy | 2.1 1 | 2.1 1 | | | AreaAnalysis | 1 | AE 15 247 | 63 | UKR | Vlasov. |
| $Er^{167}$ | Resonance Energy | 4.6 -1 | 5.8 -1 | | | TimeOfFlight | 2 | AE 15 247 | 63 | UKR | Vlasov. |
| $Er^{167}$ | Resonance Energy | 2.6 1 | 1.1 2 | | | CaptureGamma | 7 | HADDAD 64B | Feb64 | GA | Haddad. |
| $Er^{167}$ | Resonance Energy | 4.6 -1 | 1.1 2 | | | TimeOfFlight | 11 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| $Er^{167}$ | Resonance Energy | 4.6 -1 | 2.7 1 | | | * | 8 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| $Er^{167}$ | Resonance Energy | 4.6 -1 | 9.6 0 | | | Shape Analys* | 4 | PR C 2 1137 | Sep70 | BNL | Brunhart,G.+ |
| $Er^{167}$ | σ(0) | 4.6 -1 | 5.8 -1 | | | Shape Analys | 2 | NSE 8 183 | 60 | BNL | Moller. |
| $Er^{167}$ | σ(0) | 4.6 -1 | 5.8 -1 | | | Shape Analys | 2 | AERE/PR/NP- 2 15 | May62 | HAR | Moxon. |
| $Er^{167}$ | σ(0) | 5.9 0 | 2.8 1 | | | AreaAnalysis | 3 | AE 15 247 | 63 | UKR | Vlasov. |
| $Er^{167}$ | Spin of Reson | 4.6 -1 | 9.6 0 | | | Polar T or B | 4 | WASH-1034 6 | Dec61 | BNL | Sailor. |
| $Er^{167}$ | Spin of Reson | 5.4 7 | 3.6 8 | | | AreaAnalysis | 3 | NYO/72-191 | Jan68 | COL | Liou. |
| $Er^{167}$ | Spin of Reson | 4.6 -1 | 2.7 1 | | | * | 8 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| $Er^{167}$ | Spin of Reson | 4.6 -1 | 9.6 0 | | | Shape Analys* | 4 | PR C 2 1137 | Sep70 | BNL | Brunhart,G.+ |
| | **AVERAGED PARAM** | | | | | | | | | | |
| $Er^{167}$ | Strength Funct | 1.6 2 | 1.6 2 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{167}$ | Strength Fn(l=0) | 1.9 2 | 1.9 2 | | | | 1 | NYO/72-132 | Jan67 | COL | |
| $Er^{167}$ | Strength Fn(l=0) | 1.6 2 | 1.6 2 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{167}$ | Strength Fn(l=0) | 1.0 4 | 1.0 4 | | | AverageTrans | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{167}$ | Strength Fn(l=0) | 1.6 2 | 1.6 2 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{167}$ | Level Spacing | 1.6 2 | 1.6 2 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{167}$ | Level Spacing | 1.6 8 | 1.6 8 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{167}$ | Level Spacing | 1.0 4 | 1.0 4 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | **(n,γ) REACTION** | | | | | | | | | | |
| $Er^{166}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | ANL-5287 | 54 | ANL | Barnes. |
| $Er^{166}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 1 | Nov70 | OSL | Glemset,O.+ |
| $Er^{166}$ | Resen Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 1 | Nov70 | OSL | Glemset,O.+ |
| | **(n,2n) REACTION** | | | | | | | | | | |
| $Er^{168}$ | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | PR 139B1525 | Sep65 | REN | Broadhead. |
| $Er^{168}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 88 349 | Nov66 | MUA | Rama Prasad,P.+ |
| | **(n,p) REACTION** | | | | | | | | | | |
| $Er^{168}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | **(n,alpha) REACTION** | | | | | | | | | | |
| $Er^{168}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 2 | PR 118 242 | Apr60 | ARK | Willie. |
| $Er^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Er^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | **TOTAL CROSS-SECT** | | | | | | | | | | |
| $Er^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| $Er^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Absolute | TimeOfFlight | 1 | MUGHABGHAB 66 | 66 | BNL | Mughabghab. |
| $Er^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | **γ-WIDTH** | | | | | | | | | | |
| $Er^{168}$ | Γ(γ) | 8.0 1 | 5.3 2 | | | AreaAnalysis | 4 | P/3-3097 | Jan67 | DUB | Karzhavina. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | | |
| $Er^{166}$ | Γ(n) | 3.1 | 2 | 5.3 | 2 | S | | AreaAnalysis | 2 | BAP 11 344 | 66 | BNL | Mughabghab. |
| $Er^{168}$ | Γ(n) | 7.3 | 0 | 1.5 | 3 | | | AreaAnalysis | 12 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{168}$ | Γ(n) | 8.0 | 1 | 2.5 | 8 | | | AreaAnalysis | 8 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{168}$ | Γ(n) | 8.0 | 7 | 4.4 | 9 | | | AreaAnalysis | 28 | NYO/72-191 | Jan68 | COL | Liou. |
| $Er^{168}$ | Γ(n,l=0) | 3.1 | 2 | 5.3 | 2 | S | | AreaAnalysis | 2 | BAP 11 344 | 66 | BNL | Mughabghab. |
| $Er^{168}$ | Γ(n,l=0) | 7.3 | 0 | 1.5 | 3 | | | AreaAnalysis | 12 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{168}$ | Γ(n,l=0) | 8.0 | 1 | 2.5 | 8 | | | AreaAnalysis | 8 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Er^{168}$ | Γ | 8.0 | 1 | 5.3 | 2 | | | AreaAnalysis | 4 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| | OTHER RESCN PARAM | | | | | | | | | | | | |
| $Er^{168}$ | Resonance Energy | 7.9 | 1 | 7.9 | 1 | | | TimeOfFlight | 1 | ZIMMERMAN 57B | Aug57 | BNL | Zimmerman. |
| $Er^{168}$ | Resonance Energy | 8.0 | 1 | 8.0 | 1 | | | CaptureGamma | 1 | HADDAD 64B | Feb64 | GA | Haddad. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Er^{168}$ | Strength Funct | 7.3 | 2 | 7.3 | 2 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{168}$ | Strength Fn(l=0) | 2.2 | 3 | 2.2 | 3 | | | | 1 | NYO/72-132 | Jan67 | COL | |
| $Er^{168}$ | Strength Fn(l=0) | 7.4 | 2 | 7.4 | 2 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{168}$ | Strength Fn(l=0) | 7.4 | 2 | 7.4 | 2 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{168}$ | Level Spacing | 7.3 | 2 | 7.3 | 2 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{168}$ | Level Spacing | 7.5 | 8 | 7.5 | 8 | | | | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{168}$ | Level Spacing | 1.0 | 4 | 1.0 | 4 | | | Holograph | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Er^{170}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | ANL-5287 | 54 | ANL | Barnes. |
| $Er^{170}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Er^{170}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| $Er^{170}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | $P^{31}$(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Er^{170}$ | Sigma | 4.9 | 6 | 2.6 | 6 | | $U^{235}$(n,f) | Activation | 20 | JNE 22 267 | May68 | ANL | Stupegia. |
| $Er^{170}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | NC B 58 402 | Dec68 | MUA | Hasan,S.S.+ |
| $Er^{170}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 1 | Nov70 | OSL | Glemset,O.+ |
| $Er^{170}$ | Reson Integral | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 1 | Nov70 | OSL | Glemset,O.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Er^{170}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| $Er^{170}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | NP 51 329 | 64 | IRK | Spenke. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Er^{170}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Er^{170}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Er^{170}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | TimeOfFlight | 1 | 65ANTWRP-186 | Jul65 | UKR | Vertebny. |
| | n-WIDTH | | | | | | | | | | | | |
| $Er^{170}$ | Γ(n) | 9.4 | 1 | 9.4 | 1 | | | AreaAnalysis | 1 | ZIMMERMAN 57B | Aug57 | BNL | Zimmerman. |
| $Er^{170}$ | Γ(n) | 7.4 | 0 | 2.8 | 3 | | | AreaAnalysis | 13 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{170}$ | Γ(n) | 9.5 | 1 | 9.5 | 1 | | | AreaAnalysis | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| $Er^{170}$ | Γ(n) | 9.5 | 7 | 8.4 | 9 | | | AreaAnalysis | 27 | NYO/72-191 | Jan68 | COL | Liou. |
| $Er^{170}$ | Γ(n,l=0) | 7.4 | 0 | 2.8 | 3 | | | AreaAnalysis | 13 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{170}$ | Γ(n,l=0) | 9.5 | 1 | 9.5 | 1 | | | AreaAnalysis | 1 | PR 162 1130 | Oct67 | BNL | Mughabghab. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Er^{170}$ | Γ | 9.5 | 1 | 2.8 | 2 | | | AreaAnalysis | 2 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Er^{170}$ | Strength Funct | 1.4 | 3 | 1.4 | 3 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{170}$ | Strength Fn(l=0) | 2.2 | 3 | 2.2 | 3 | | | | 1 | NYO/72-132 | Jan67 | COL | |
| $Er^{170}$ | Level Spacing | 1.4 | 3 | 1.4 | 3 | | | AreaAnalysis | 1 | P/3-3097 | Jan67 | DUB | Karzhavina. |
| $Er^{170}$ | Level Spacing | 2.4 | 4 | 2.4 | 4 | C | | * | 1 | NC B 58 402 A | Dec68 | MUA | Hasan,S.S.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Tm^{169}$ | Sigma | 9.5 3 | 1.7 5 | | Indium | Scint Tank | 60 | PR 122 182 | Apr61 | ORL | Gibbons. |
| $Tm^{169}$ | Sigma | 1.9 2 | 7.8 3 | | | TimeOfFlight | 46 | 61SACLAY-203 | Jul61 | ORL | Block. |
| $Tm^{169}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 2 | Nov70 | OSL | Alstad,J.+ |
| $Tm^{169}$ | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 2 | Nov70 | OSL | Alstad,J.+ |
| $Tm^{169}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 7 | NC 27 538 | Jan63 | CAS | Giannini,M.+ |
| $Tm^{169}$ | Spectrum | 3.9 0 | 3.9 0 | | Arb Units | γ-Spectromet | 4 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| $Tm^{169}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | | 175 | PR 143 857 | Mar66 | PSU | Sheline,R.K.+ |
| $Tm^{169}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | Ge(Li) Detect | 14 | PR 143 857 | Mar66 | PSU | Sheline,R.K.+ |
| $Tm^{169}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | | 12 | PR 143 857 | Mar66 | PSU | Sheline,R.K.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Tm^{169}$ | Sigma | 1.1 5 | 1.1 5 | | Carbon | $4\pi i*\sigma(90°)$ | 1 | PR 109 1620 | Mar58 | DKE | Block,R.C.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Tm^{169}$ | Sigma | 9.8 6 | 1.5 7 | | H(n,n) | Count Telesc | 7 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Tm^{169}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Tm^{169}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Tm^{169}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Tm^{169}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| $Tm^{169}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Crystal Spec | 1 | NP A 95 683 | Apr67 | BZL | Zimmerman,R.L.+ |
| $Tm^{169}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Tm^{169}$ | Sigma | 3.7 -2 | 1.6 0 | | Absolute | Crystal Spec | 362 | PR 103 1326 | Sep56 | MTR | Joki. |
| $Tm^{169}$ | Sigma | 9.5 -4 | 9.5 -1 | | Absolute | Crystal Spec | 63 | NP A 95 683 | Apr67 | BZL | Zimmerman,R.L.+ |
| $Tm^{169}$ | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 235 | FOSTER 67E | May67 | BNW | Foster. |
| $Tm^{169}$ | Sigma | 2.6 1 | 2.0 3 | | Absolute | TimeOfFlight* | 9359 | TELLIER 71L | Dec71 | SAC | Tellier,H. |
| | γ-WIDTH | | | | | | | | | | |
| $Tm^{169}$ | $\Gamma(\gamma)$ | 1.4 1 | 3.5 1 | | | AreaAnalysis | 3 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Tm^{169}$ | $\Gamma(\gamma)$ | 3.9 0 | 1.5 2 | | | AreaAnalysis | 14 | BAP 8 334 | Apr63 | CR | Singh. |
| $Tm^{169}$ | $\Gamma(\gamma)$ | 1.4 1 | 3.0 2 | | | AreaAnalysis | 18 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| $Tm^{169}$ | $\Gamma(\gamma)$ | 2.7 2 | 7.3 2 | | | Shape Analys | 17 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | |
| $Tm^{169}$ | $\Gamma(n)$ | 3.9 0 | 1.5 2 | | | AreaAnalysis | 14 | BAP 8 334 | Apr63 | CR | Singh. |
| $Tm^{169}$ | $\Gamma(n)$ | 1.4 1 | 3.0 2 | | | AreaAnalysis | 18 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| $Tm^{169}$ | $\Gamma(n)$ | 2.6 2 | 7.6 2 | | | Shape Analys | 46 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Tm^{169}$ | $g\Gamma(n)$ | 3.9 0 | 7.6 2 | | | Shape Analys | 87 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Tm^{169}$ | $2g\Gamma(n)$ | 3.9 0 | 1.6 2 | | | AreaAnalysis | 17 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Tm^{169}$ | $2g\Gamma(n)$ | 2.9 1 | 1.6 2 | | | AreaAnalysis | 6 | BAP 8 334 | Apr63 | CR | Singh. |
| $Tm^{169}$ | $2g\Gamma(n)$ | 9.3 1 | 7.6 2 | | | Shape Analys | 68 | MORGENSTERN 66 | 66 | SAC | Morgenstern. |
| $Tm^{169}$ | $g\Gamma(n,l=0)$ | 3.9 0 | 7.6 2 | | | Shape Analys | 89 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Tm^{169}$ | $2g\Gamma(n,l=0)$ | 3.9 0 | 1.6 2 | | | AreaAnalysis | 17 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Tm^{169}$ | $2g\Gamma(n,l=0)$ | 9.3 1 | 7.6 2 | | | Shape Analys | 65 | MORGENSTERN 66 | 66 | SAC | Morgenstern. |
| $Tm^{169}$ | $\Gamma(n)\sigma(0)$ | 3.9 0 | 1.5 2 | | | AreaAnalysis | 14 | BAP 8 334 | Apr63 | CR | Singh. |
| $Tm^{169}$ | $\Gamma(n)\sigma(0)$ | 1.4 1 | 5.1 1 | | | AreaAnalysis | 9 | AERE/PR/NP- 4 20 | May63 | HAR | Corvi,F.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Tm^{169}$ | $\Gamma$ | 3.9 0 | 1.5 2 | | | AreaAnalysis | 13 | BAP 8 334 | Apr63 | CR | Singh. |
| $Tm^{169}$ | $\Gamma$ | 2.7 2 | 7.3 2 | | | Shape Analys | 20 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Tm^{169}$ | $\Gamma^2\sigma(0)$ | 3.9 0 | 3.9 0 | | | TimeOfFlight | 1 | PR 92 656 | Nov53 | BNL | Foote. |
| $Tm^{169}$ | $\Gamma^2\sigma(0)$ | 3.9 0 | 1.8 1 | | | TimeOfFlight | 3 | PR 96 1014 | Nov54 | BNL | Sailor. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Tm^{169}$ | Resonance Energy | 1.5 1 | 1.8 1 | | | TimeOfFlight | 2 | PR 92 656 | Nov53 | BNL | Foote. |
| $Tm^{169}$ | Resonance Energy | 3.9 0 | 7.6 2 | | | Shape Analys* | 95 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Tm^{169}$ | Spin of Reson | 3.9 0 | 1.5 2 | | | AreaAnalysis | 14 | BAP 8 334 | Apr63 | CR | Singh. |
| $Tm^{169}$ | Spin of Reson | 3.9 0 | 3.9 0 | | | TimeOfFlight | 1 | NP 62 641 | Feb65 | MOL | Ceulemans,H.+ |
| $Tm^{169}$ | Spin of Reson | 5.9 1 | 7.6 2 | | | Shape Analys | 47 | MORGENSTERN 66 | 66 | SAC | Morgenstern. |
| $Tm^{169}$ | Spin of Reson | 4.0 0 | 3.5 1 | | | CaptureGamma | 5 | BAP 12 105 | Feb67 | BNL | Chrien. |
| $Tm^{169}$ | Spin of Reson | 3.9 0 | 7.6 2 | | | Shape Analys | 70 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Tm^{169}$ | Strength Fn(l=0) | 8.0 2 | 8.0 2 | | | AreaAnalysis | 2 | INDC-156 P.64 | Oct66 | SAC | Julien,J.+ |
| $Tm^{169}$ | Strength Fn(l=0) | 7.6 2 | 7.6 2 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Yb | Sigma | 9.5 3 | 1.7 5 | | Indium | Scint Tank | 51 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Yb | Sigma | 2.0 2 | 5.9 3 | | | TimeOfFlight | 41 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Yb | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | γ-Spectromet | 4 | NC 27 1032 | Feb63 | CAS | Giannini,M.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Yb | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Yb | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 24 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Yb | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Yb | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 120 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| Yb | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Yb | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Yb | Sigma | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 121 610 | Jan61 | ISU | Atoji. |
| Yb | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | 66PARIS/I- 53 | Oct66 | BZL | Zimmerman. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Yb | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Yb | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Yb | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 121 610 | Jan61 | ISU | Atoji. |
| Yb | Scatt Amplitude | 7.3 -2 | 7.3 -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Yb | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Yb | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 121 610 | Jan61 | ISU | Atoji. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Yb | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Yb | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | 66PARIS/I- 53 | Oct66 | BZL | Zimmerman. |
| Yb | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Yb | Sigma | 5.0 4 | 2.9 6 | | Absolute | Accelerator | 43 | PR 93 461 | Feb54 | WIS | Okazaki. |
| Yb | Sigma | 1.5 -1 | 2.9 1 | | Absolute | Crystal Spec | 96 | PR 96 1014 | Nov54 | BNL | Sailor. |
| Yb | Sigma | 1.4 2 | 3.6 4 | | Absolute | TimeOfFlight | 47 | EGELSTAFF 55P | Jun55 | HAR | Egelstaff. |
| Yb | Sigma | 8.0 2 | 2.4 4 | | Absolute | TimeOfFlight | 18 | EGELSTAFF 56P | Jun56 | HAR | Egelstaff. |
| Yb | Sigma | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 121 610 | Jan61 | ISU | Atoji. |
| Yb | Sigma | 1.5 -2 | 2.9 -1 | | Absolute | Crystal Spec | 15 | IEA- 75 | 62 | BZL | Zimmerman. |
| Yb | Sigma | 1.7 -3 | 2.4 -1 | | | | 22 | IEA- 86 | Nov63 | BZL | Amaral. |
| Yb | Sigma | 2.5 -2 | 2.5 -2 | S | | | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| Yb | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | 66PARIS/I- 53 | Oct66 | BZL | Zimmerman. |
| Yb | Sigma | 2.5 6 | 1.5 7 | | Absolute | TimeOfFlight | 231 | FOSTER 67E | May67 | BNW | Foster. |
| Yb | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Yb | Resonance Energy | 2.3 1 | 2.3 1 | | | TimeOfFlight | 1 | P-2158 | 65 | DUB | Wang. |
| Yb | Resonance Energy | 2.3 7 | 2.3 7 | | | AreaAnalysis | 1 | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Yb | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| | (n,γ) REACTION | | | | | | | | | | |
| $Yb^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | BAP 6 506 | Dec61 | TNC | Morgan,I.L.+ |
| $Yb^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | PR 170 1108 | Jun68 | LAS | Shera. |
| $Yb^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 2 | Nov70 | OSL | Alstad,J.+ |
| $Yb^{168}$ | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 2 | Nov70 | OSL | Alstad,J.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Yb^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Yb^{168}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Yb^{168}$ | Γ(γ) | 6.0 -1 | 6.0 -1 | | | Shape Analys | 1 | PR 96 1014 | Nov54 | BNL | Sailor. |
| | n-WIDTH | | | | | | | | | | |
| $Yb^{168}$ | Γ(n) | 6.0 -1 | 6.0 -1 | | | Shape Analys | 1 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Yb^{168}$ | Γ(n) | 2.3 1 | 2.3 1 | | | AreaAnalysis | 1 | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{168}$ | Γ(n) | 2.3 7 | 1.7 8 | | | AreaAnalysis | 2 | NYO/72-191 | Jan68 | COL | Liou. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Yb^{168}$ | $\Gamma^2\sigma(0)$ | 6.0 -1 | 6.0 -1 | | | Shape Analys | 1 | PR 96 1014 | Nov54 | BNL | Sailor. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Yb^{168}$ | Resonance Energy | 6.0 -1 | 6.0 -1 | | | AreaAnalysis | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{168}$ | Resonance Energy | 6.0 -1 | 6.0 -1 | | | AreaAnalysis | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Yb^{170}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Yb^{170}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Yb^{170}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Yb^{170}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{170}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | n-WIDTH | | | | | | | | | | |
| $Yb^{170}$ | Γ(n) | 8.0 0 | 7.3 1 | | | AreaAnalysis | 3 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{170}$ | Γ(n) | 4.0 1 | 9.5 1 | | | AreaAnalysis | 3 | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{170}$ | Γ(n) | 4.0 7 | 3.6 8 | | | AreaAnalysis | 7 | NYO/72-191 | Jan68 | COL | Liou. |
| $Yb^{170}$ | Γ(n) | 8.1 0 | 4.5 2 | | | AreaAnalysis | 13 | PR 174 1400 | Oct68 | BNL | Mughabghab. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | | |
| $Yb^{170}$ | 2gΓ(n) | 4.0 | 1 | 7.3 | 1 | | | TimeOfFlight | 2 | | P-2158 | 65 | DUB | Wang. |
| $Yb^{170}$ | 2gΓ(n) | 4.0 | 7 | 7.3 | 7 | | | AreaAnalysis | 2 | | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| $Yb^{170}$ | Γ(n,l=0) | 8.0 | 0 | 7.3 | 1 | | | AreaAnalysis | 3 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{170}$ | Γ(n,l=0) | 8.1 | 0 | 4.5 | 2 | | | AreaAnalysis | 13 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{170}$ | 2gΓ(n,l=0) | 4.0 | 1 | 7.3 | 1 | | | TimeOfFlight | 2 | | P-2158 | 65 | DUB | Wang. |
| $Yb^{170}$ | 2gΓ(n,l=0) | 4.0 | 7 | 7.3 | 7 | | | AreaAnalysis | 2 | | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Yb^{170}$ | Γ | 4.0 | 1 | 4.0 | 1 | | | TimeOfFlight | 1 | | P-2158 | 65 | DUB | Wang. |
| $Yb^{170}$ | Γ | 4.0 | 1 | 7.3 | 1 | | | AreaAnalysis | 2 | | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{170}$ | Γ | 4.0 | 7 | 4.0 | 7 | | | AreaAnalysis | 1 | | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Yb^{170}$ | Resonance Energy | 9.5 | 1 | 2.9 | 2 | | | AreaAnalysis | 3 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{170}$ | Resonance Energy | 7.2 | 1 | 2.9 | 2 | | | TimeOfFlight | 5 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Yb^{170}$ | Strength Fn(l=0) | 4.0 | 3 | 4.0 | 3 | | | AverageTrans | 1 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{170}$ | Strength Fn(l=0) | 5.0 | 2 | 5.0 | 2 | | | | 1 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{170}$ | Strength Fn(l=0) | 1.0 | 4 | 1.0 | 4 | | | AverageTrans | 1 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Yb^{171}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Ion Chamber | 1 | | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Yb^{171}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Ta^{181}$ | Coincidences | 1 | | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $Yb^{171}$ | Sigma | 2.5 | -2 | 2.5 | -2 | S | | | 1 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{171}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | TimeOfFlight | 1 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | γ-WIDTH | | | | | | | | | | | | | |
| $Yb^{171}$ | Γ(γ) | 7.9 | 0 | 2.8 | 1 | | | AreaAnalysis | 3 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{171}$ | Γ(γ) | 7.9 | 6 | 1.8 | 8 | | | AreaAnalysis | 15 | | NYO/72-191 | Jan68 | COL | Liou. |
| $Yb^{171}$ | Γ(γ) | 7.9 | 0 | 2.8 | 1 | | | AreaAnalysis | 3 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{171}$ | <Γ(γ)> | 2.3 | 2 | 2.3 | 2 | | | AreaAnalysis* | 1 | | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | n-WIDTH | | | | | | | | | | | | | |
| $Yb^{171}$ | 2gΓ(n) | 1.3 | 1 | 1.3 | 1 | | | AreaAnalysis | 1 | | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Yb^{171}$ | 2gΓ(n) | 7.9 | 0 | 1.5 | 2 | | | TimeOfFlight | 22 | | P-2158 | 65 | DUB | Wang. |
| $Yb^{171}$ | 2gΓ(n) | 7.9 | 0 | 1.8 | 2 | | | AreaAnalysis | 18 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{171}$ | 2gΓ(n) | 7.9 | 0 | 1.8 | 2 | | | AreaAnalysis | 25 | | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{171}$ | 2gΓ(n) | 7.9 | 0 | 1.5 | 2 | | | AreaAnalysis | 22 | | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| $Yb^{171}$ | 2gΓ(n) | 7.9 | 6 | 3.5 | 8 | | | AreaAnalysis | 39 | | NYO/72-191 | Jan68 | COL | Liou. |
| $Yb^{171}$ | 2gΓ(n) | 7.9 | 0 | 2.3 | 2 | | | AreaAnalysis | 27 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{171}$ | 2gΓ(n,l=0) | 7.9 | 0 | 1.5 | 2 | | | TimeOfFlight | 22 | | P-2158 | 65 | DUB | Wang. |
| $Yb^{171}$ | 2gΓ(n,l=0) | 7.9 | 0 | 1.5 | 2 | | | AreaAnalysis | 20 | | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| $Yb^{171}$ | 2gΓ(n,l=0) | 7.9 | 0 | 2.3 | 2 | | | AreaAnalysis | 27 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Yb^{171}$ | Γ | 1.3 | 1 | 1.3 | 1 | | | AreaAnalysis | 1 | | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Yb^{171}$ | Γ | 1.3 | 1 | 6.0 | 1 | | | TimeOfFlight | 4 | | P-2158 | 65 | DUB | Wang. |
| $Yb^{171}$ | Γ | 1.3 | 1 | 1.3 | 1 | | | AreaAnalysis | 1 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{171}$ | Γ | 7.9 | 0 | 1.3 | 2 | | | AreaAnalysis | 7 | | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{171}$ | Γ | 1.3 | 1 | 6.0 | 1 | | | AreaAnalysis | 4 | | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Yb^{171}$ | Resonance Energy | 8.1 | 0 | 1.3 | 1 | | | TimeOfFlight | 2 | | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Yb^{171}$ | Resonance Energy | 4.4 | 1 | 8.7 | 1 | | | TimeOfFlight | 3 | | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Yb^{171}$ | Resonance Energy | 5.3 | 1 | 1.6 | 2 | | | AreaAnalysis | 6 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{171}$ | Resonance Energy | 7.6 | 1 | 2.1 | 2 | | | TimeOfFlight | 9 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{171}$ | Resonance Energy | 8.1 | 0 | 8.1 | 0 | | | AreaAnalysis | 1 | | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{171}$ | σ(0) | 1.3 | 1 | 1.3 | 1 | | | AreaAnalysis | 1 | | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Yb^{171}$ | Spin of Reson | 1.3 | 1 | 1.3 | 2 | | | CaptureGamma | 8 | | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Yb^{171}$ | Spin of Reson | 2.8 | 7 | 1.8 | 8 | | | AreaAnalysis | 13 | | NYO/72-191 | Jan68 | COL | Liou. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Yb^{171}$ | Strength Fn(l=0) | 4.0 | 3 | 4.0 | 3 | | | AverageTrans | 1 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{171}$ | Strength Fn(l=0) | 7.5 | 1 | 7.5 | 1 | | | | 1 | | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| $Yb^{171}$ | Strength Fn(l=0) | 1.9 | 2 | 1.9 | 2 | | | | 1 | | NYO/72-132 | Jan67 | COL | |
| $Yb^{171}$ | Strength Fn(l=0) | 1.8 | 2 | 1.8 | 2 | | | | 1 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{171}$ | Strength Fn(l=0) | 1.0 | 4 | 1.0 | 4 | | | AverageTrans | 1 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{171}$ | Level Spacing | 7.3 | 1 | 7.3 | 1 | | Absolute | AreaAnalysis | 1 | | YF 3 48 | Jan66 | CCP | Wang Nai-Yang.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Yb^{172}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Ion Chamber | 1 | | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Yb^{172}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Ta^{181}$ | Coincidences | 1 | | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $Yb^{172}$ | Sigma | 2.5 | -2 | 2.5 | -2 | S | | | 1 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{172}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | TimeOfFlight | 1 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | γ-WIDTH | | | | | | | | | | | | | |
| $Yb^{172}$ | Γ(γ) | 1.8 | 8 | 1.8 | 8 | | | AreaAnalysis | 1 | | NYO/72-191 | Jan68 | COL | Liou. |
| | n-WIDTH | | | | | | | | | | | | | |
| $Yb^{172}$ | Γ(n) | 1.4 | 2 | 1.8 | 2 | | | AreaAnalysis | 2 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{172}$ | Γ(n) | 1.4 | 2 | 3.7 | 3 | | | AreaAnalysis | 24 | | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{172}$ | Γ(n) | 1.4 | 8 | 2.7 | 9 | | | AreaAnalysis | 20 | | NYO/72-191 | Jan68 | COL | Liou. |
| $Yb^{172}$ | Γ(n) | 1.4 | 2 | 8.2 | 2 | | | AreaAnalysis | 12 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{172}$ | Γ(n,l=0) | 1.4 | 2 | 8.2 | 2 | | | AreaAnalysis | 12 | | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Yb^{172}$ | Resonance Energy | 1.4 | 2 | 1.4 | 2 | | | TimeOfFlight | 1 | | P-2158 | 65 | DUB | Wang. |
| $Yb^{172}$ | Resonance Energy | 1.4 | 2 | 1.8 | 2 | | | TimeOfFlight | 2 | | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{172}$ | Resonance Energy | 1.4 | 8 | 1.4 | 8 | | | AreaAnalysis | 1 | | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | |
| $Yb^{172}$ | Strength Fn(l=0) | 4.0 3 | 4.0 3 | | | AverageTrans | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{172}$ | Strength Fn(l=0) | 1.9 3 | 1.9 3 | | | | 1 | NYO/72-132 | Jan67 | COL | |
| $Yb^{172}$ | Strength Fn(l=0) | 4.8 2 | 4.8 2 | | | | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{172}$ | Strength Fn(l=0) | 1.0 4 | 1.0 4 | | | AverageTrans | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Yb^{173}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{173}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | γ-WIDTH | | | | | | | | | | |
| $Yb^{173}$ | Γ(γ) | 3.2 1 | 3.2 1 | | | AreaAnalysis | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{173}$ | Γ(γ) | 1.8 7 | 1.7 8 | | | AreaAnalysis | 14 | NYO/72-191 | Jan68 | COL | Liou. |
| $Yb^{173}$ | Γ(γ) | 1.8 1 | 4.5 1 | | | AreaAnalysis | 4 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{173}$ | <Γ(γ)> | 2.1 2 | 2.1 2 | | | AreaAnalysis* | 1 | PR C 1 1850 | May70 | BNL | Mughabghab,S.F.+ |
| | n-WIDTH | | | | | | | | | | |
| $Yb^{173}$ | 2gΓ(n) | 4.6 0 | 1.8 1 | | | AreaAnalysis | 2 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Yb^{173}$ | 2gΓ(n) | 4.5 0 | 1.3 2 | | | TimeOfFlight | 16 | P-2158 | 65 | DUB | Wang. |
| $Yb^{173}$ | 2gΓ(n) | 4.5 0 | 1.7 2 | | | AreaAnalysis | 18 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{173}$ | 2gΓ(n) | 1.8 1 | 1.7 2 | | | AreaAnalysis | 19 | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{173}$ | 2gΓ(n) | 4.5 0 | 1.3 8 | | | AreaAnalysis | 16 | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| $Yb^{173}$ | 2gΓ(n) | 1.8 7 | 3.7 8 | | | AreaAnalysis | 37 | NYO/72-191 | Jan68 | COL | Liou. |
| $Yb^{173}$ | 2gΓ(n) | 4.5 0 | 2.1 2 | | | AreaAnalysis | 24 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{173}$ | 2gΓ(n,l=0) | 4.5 0 | 1.3 2 | | | TimeOfFlight | 16 | P-2158 | 65 | DUB | Wang. |
| $Yb^{173}$ | 2gΓ(n,l=0) | 4.5 0 | 1.3 8 | | | AreaAnalysis | 16 | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| $Yb^{173}$ | 2gΓ(n,l=0) | 4.5 0 | 2.1 2 | | | AreaAnalysis | 24 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Yb^{173}$ | Γ | 4.6 0 | 1.8 1 | | | AreaAnalysis | 2 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Yb^{173}$ | Γ | 1.8 1 | 6.7 1 | | | TimeOfFlight | 5 | P-2158 | 65 | DUB | Wang. |
| $Yb^{173}$ | Γ | 1.8 1 | 1.3 2 | | | AreaAnalysis | 7 | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{173}$ | Γ | 1.8 1 | 6.7 7 | | | AreaAnalysis | 5 | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Yb^{173}$ | Resonance Energy | 4.5 0 | 1.8 1 | | | TimeOfFlight | 2 | PR 96 1014 | Nov54 | BNL | Sailor. |
| $Yb^{173}$ | Resonance Energy | 7.5 1 | 7.6 1 | | | AreaAnalysis | 2 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{173}$ | Resonance Energy | 7.5 1 | 3.0 2 | | | TimeOfFlight | 8 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{173}$ | g(0) | 4.6 0 | 1.8 1 | | | AreaAnalysis | 2 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Yb^{173}$ | Spin of Reson | 4.6 0 | 3.8 1 | | | CaptureGamma | 3 | ANL-6589 | Aug62 | ANL | Carpenter. |
| $Yb^{173}$ | Spin of Reson | 3.1 7 | 1.7 8 | | | AreaAnalysis | 9 | NYO/72-191 | Jan68 | COL | Liou. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Yb^{173}$ | Strength Fn(l=0) | 4.0 3 | 4.0 3 | | | AverageTrans | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{173}$ | Strength Fn(l=0) | 6.5 1 | 6.5 1 | | | | 1 | YF 3 48 | Jan66 | DUB | Wang Nai-Yang.+ |
| $Yb^{173}$ | Strength Fn(l=0) | 2.0 2 | 2.0 2 | | | | 1 | NYO/72-132 | Jan67 | COL | |
| $Yb^{173}$ | Strength Fn(l=0) | 2.5 2 | 2.5 2 | | | | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{173}$ | Strength Fn(l=0) | 1.0 4 | 1.0 4 | | | AverageTrans | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{173}$ | Level Spacing | 7.3 1 | 7.3 1 | | Absolute | AreaAnalysis | 1 | YF 3 48 | Jan66 | CCP | Wang Nai-Yang.+ |
| $Yb^{173}$ | Level Spacing | 1.8 2 | 3.0 3 | | | AreaAnalysis | 5 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Yb^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ADP 12 225 | 63 | ROS | Alexander. |
| $Yb^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Activation | 1 | ADP 12 225 | 63 | ROS | Alexander. |
| $Yb^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 2 | Nov70 | OSL | Alstad,J.+ |
| $Yb^{174}$ | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 2 | Nov70 | OSL | Alstad,J.+ |
| $Yb^{174}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | γ-Spectromet* | 239 | ZN A 26 371 | Mar71 | MUN | Breitig,D. |
| | (n,p) REACTION | | | | | | | | | | |
| $Yb^{174}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | IJP 41 667 | 67 | SAH | Gujrathi. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Yb^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Yb^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Yb^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | γ-WIDTH | | | | | | | | | | |
| $Yb^{174}$ | Γ(γ) | 3.4 8 | 3.4 8 | | | AreaAnalysis | 1 | NYO/72-191 | Jan68 | COL | Liou. |
| | n-WIDTH | | | | | | | | | | |
| $Yb^{174}$ | Γ(n) | 3.4 2 | 3.4 2 | | | AreaAnalysis | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{174}$ | Γ(n) | 3.4 2 | 3.3 3 | | | AreaAnalysis | 14 | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{174}$ | Γ(n) | 3.4 8 | 3.3 9 | | | AreaAnalysis | 10 | NYO/72-191 | Jan68 | COL | Liou. |
| $Yb^{174}$ | Γ(n) | 3.4 2 | 8.8 2 | | | AreaAnalysis | 2 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{174}$ | Γ(n,l=0) | 3.4 2 | 8.8 2 | | | AreaAnalysis | 2 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Yb^{174}$ | Strength Fn(l=0) | 1.8 3 | 1.8 3 | | | | 1 | NYO/72-132 | Jan67 | COL | |
| | (n,γ) REACTION | | | | | | | | | | |
| $Yb^{175}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Yb^{175}$ | Sigma | 1.5 7 | 1.5 7 | | Copper | Activation | 1 | PR 118 242 | Apr60 | ARK | Willie. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Yb^{176}$ | Sigma | 3.6 3 | 1.9 6 | | $U^{235}(n,f)$ | Activation | 20 | JNE 22 267 | May68 | ANL | Stupegia. |
| $Yb^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 2 | Nov70 | OSL | Alstad,J.+ |
| $Yb^{176}$ | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Activation * | 1 | PAPPAS 70K 2 | Nov70 | OSL | Alstad,J.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | INEL SCATTERING | | | | | | | | | | |
| $Yb^{176}$ | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | PL 2 293 | Oct62 | ARK | Kantele. |
| $Yb^{176}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | OAW 176 227 | 68 | IRK | Bornemisza-Pauspertl |
| | (n,2n) REACTION | | | | | | | | | | |
| $Yb^{176}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Yb^{176}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP 51 329 | 64 | IRK | Spenke. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Yb^{176}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 166 1173 | Feb68 | ARK | Ihochi. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Yb^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | | 1 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | n-WIDTH | | | | | | | | | | |
| $Yb^{176}$ | $\Gamma(n)$ | 1.5 2 | 1.6 3 | | | AreaAnalysis | 6 | BAP 10 513 | Apr65 | BNL | Mughabghab. |
| $Yb^{176}$ | $\Gamma(n)$ | 9.8 1 | 3.7 3 | | | AreaAnalysis | 15 | BAP 10 575 | Jun65 | COL | Liou. |
| $Yb^{176}$ | $\Gamma(n)$ | 9.8 7 | 3.2 9 | | | AreaAnalysis | 12 | NYO/72-191 | Jan68 | COL | Liou. |
| $Yb^{176}$ | $\Gamma(n)$ | 1.5 2 | 2.2 3 | | | AreaAnalysis | 7 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| $Yb^{176}$ | $\Gamma(n,l=0)$ | 1.5 2 | 2.2 3 | | | AreaAnalysis | 7 | PR 174 1400 | Oct68 | BNL | Mughabghab. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Yb^{176}$ | Strength Fn(l=0) | 1.9 3 | 1.9 3 | | | | 1 | NYO/72-132 | Jan67 | COL | |
| $Yb^{176}$ | Strength Fn(l=0) | 3.0 3 | 3.0 3 | | | | 1 | PR 174 1400 | Oct68 | BNL | Mughabghab. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Lu | Sigma | 6.5 3 | 6.5 7 | | Indium | Scint Tank | 79 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Lu | Sigma | 2.0 2 | 5.8 3 | | | TimeOfFlight | 44 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Lu | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat* | 1 | NUK 6 245 | Sep64 | AE | Sokolowski,E.+ |
| Lu | Sigma | 2.5 -2 | 2.5 4 | | | Slowing-Down | 174 | 65ANTWRP-202 | Jul65 | DUB | Konks. |
| Lu | Spectrum | 2.5 -2 | 2.5 -2 | | Arb Units | | 8 | NC 27 538 | Jan63 | CAS | Giannini,M.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Lu | Sigma | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 121 610 | Jan61 | ISU | Atoji. |
| Lu | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | IEA- 86 | Nov63 | BZL | Amaral. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Lu | σ(Coherent) | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Lu | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 121 610 | Jan61 | ISU | Atoji. |
| Lu | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| Lu | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 121 610 | Jan61 | ISU | Atoji. |
| | (n,alpha) REACTION | | | | | | | | | | |
| Lu | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Solidstate C | 1 | NP 46 51 | Jul63 | CIS | Marcazzan,G.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Lu | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Lu | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | IEA- 86 | Nov63 | BZL | Amaral. |
| Lu | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Lu | Sigma | 1.2 -2 | 9.5 -1 | | Absolute | TimeOfFlight | 75 | JNE 13 35 | 60 | HAR | Baston,A.H.+ |
| Lu | Sigma | 1.8 -2 | 2.0 -1 | | Absolute | Crystal Spec | 25 | IEA- 75 | 62 | BZL | Zimmerman. |
| Lu | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | IEA- 86 | Nov63 | BZL | Amaral. |
| Lu | Sigma | 1.0 -2 | 9.3 0 | | Absolute | TimeOfFlight | 387 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| Lu | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 236 | FOSTER 67E | May67 | BNW | Foster. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Lu^{175}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NP 66 267 | May65 | MUA | Chaubey,A.K.+ |
| $Lu^{175}$ | Sigma | 3.0 4 | 2.0 5 | | $Ta^{181}$ | Liquid Scint | 8 | PR 159 1007 | Jul67 | ORL | Macklin. |
| $Lu^{175}$ | Sigma | 1.0 6 | 1.0 6 | | Indium | * | 1 | 68WASH-1263 | Mar68 | MOL | Pabry,A.+ |
| $Lu^{175}$ | Sigma | 1.4 5 | 3.1 6 | | $U^{235}(n,f)$ | Activation | 18 | JNE 22 267 | May68 | ANL | Stupegia. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Lu^{175}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 2 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Lu^{175}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Lu^{175}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Lu^{175}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Lu^{175}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Solidstate C | 16 | NP 46 51 | Jul63 | CIS | Marcazzan,G.M.+ |
| $Lu^{175}$ | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Solidstate C | 1 | NP 46 51 | Jul63 | CIS | Marcazzan,G.M.+ |
| $Lu^{175}$ | (θ,E)-Distrib | 1.5 7 | 1.5 7 | | Absolute | Solidstate C | 17 | NP A149 513 | Jul70 | TIT | Kitazawa,H. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Lu^{175}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Lu^{175}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | JNE 13 35 | 60 | HAR | Baston,A.H.+ |
| $Lu^{175}$ | Sigma | 1.2 -2 | 9.5 -1 | | Absolute | TimeOfFlight | 74 | JNE 13 35 | 60 | HAR | Baston,A.H.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Lu^{175}$ | Γ(γ) | 2.6 0 | 2.6 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | n-WIDTH | | | | | | | | | | |
| $Lu^{175}$ | Γ(n) | 2.6 0 | 2.6 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Lu^{175}$ | 2gΓ(n,l=0) | 2.6 0 | 2.6 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Lu^{175}$ | Γ | 2.6 0 | 2.6 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Lu^{175}$ | Resonance Energy | 2.6 0 | 2.6 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Lu^{175}$ | Resonance Energy | 2.6 0 | 4.1 1 | | | * | 11 | PR C 2 675 | Aug70 | BNL | Wasson,O.A.+ |
| $Lu^{175}$ | σ(0) | 2.6 0 | 2.6 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Lu^{175}$ | Spin of Reson | 2.6 0 | 4.1 1 | | | * | 11 | PR C 2 675 | Aug70 | BNL | Wasson,O.A.+ |
| $Lu^{175}$ | Stat Weight Fact | 2.6 0 | 2.6 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Lu^{175}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Lu^{175}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Lu^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Activation * | 1 | PL 1 321 | Jul62 | COP | Jorgensen. |
| $Lu^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | JIN 29 865 | 67 | LRL | Nethaway. |
| $Lu^{176}$ | Sigma | 3.0 4 | 2.0 5 | | $Ta^{181}$ | Liquid Scint | 8 | PR 159 1007 | Jul67 | ORL | Macklin. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Lu^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Lu^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Lu^{176}$ | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Solidstate C | 1 | NP 46 51 | Jul63 | CIS | Marcazzan,G.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Lu^{176}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | IN-1083 63 | Dec66 | MTR | Rodgers,J.W.+ |
| $Lu^{176}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Lu^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | JNE 13 35 | 60 | HAR | Baston,A.H.+ |
| $Lu^{176}$ | Sigma | 1.9 -2 | 5.0 -1 | | Absolute | Crystal Spec | 46 | NSE 7 502 | Jun60 | BNL | Roberge. |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Lu^{176}$ | $\Gamma(\gamma)$ | 1.4 -1 | 1.4 -1 | | | Shape Analys | 1 | NSE 7 502 | Jun60 | BNL | Roberge. |
| $Lu^{176}$ | $\Gamma(\gamma)$ | 1.4 -1 | 1.6 0 | | Absolute | Shape Analys | 2 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | n-WIDTH | | | | | | | | | | |
| $Lu^{176}$ | $\Gamma(n)$ | 1.4 -1 | 1.6 0 | | Absolute | Shape Analys | 2 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Lu^{176}$ | $2g\Gamma(n)$ | 1.4 -1 | 1.4 -1 | | | Shape Analys | 1 | NSE 7 502 | Jun60 | BNL | Roberge. |
| $Lu^{176}$ | $2g\Gamma(n,l=0)$ | 1.4 -1 | 1.4 -1 | | | Shape Analys | 1 | NSE 7 502 | Jun60 | BNL | Roberge. |
| $Lu^{176}$ | $2g\Gamma(n,l=0)$ | 1.4 -1 | 1.6 0 | | Absolute | Shape Analys | 2 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Lu^{176}$ | $\Gamma$ | 1.4 -1 | 1.4 -1 | | | Shape Analys | 1 | NSE 7 502 | Jun60 | BNL | Roberge. |
| $Lu^{176}$ | $\Gamma$ | 1.4 -1 | 1.6 0 | | Absolute | Shape Analys | 2 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Lu^{176}$ | $\Gamma\sigma(0)$ | 1.4 -1 | 1.4 -1 | | | Shape Analys | 1 | NSE 7 502 | Jun60 | BNL | Roberge. |
| $Lu^{176}$ | $\Gamma^2\sigma(0)$ | 1.4 -1 | 1.4 -1 | | | Shape Analys | 1 | NSE 7 502 | Jun60 | BNL | Roberge. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Lu^{176}$ | Resonance Energy | 1.4 -1 | 1.6 0 | | Absolute | Shape Analys | 2 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Lu^{176}$ | $\sigma(0)$ | 1.4 -1 | 1.4 -1 | | | Shape Analys | 1 | NSE 7 502 | Jun60 | BNL | Roberge. |
| $Lu^{176}$ | $\sigma(0)$ | 1.4 -1 | 1.6 0 | | Absolute | Shape Analys | 2 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Lu^{176}$ | Stat Weight Fact | 1.4 -1 | 1.6 0 | | Absolute | Shape Analys | 2 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Hf | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Hf | Sigma | 2.1 2 | 8.2 3 | | | TimeOfFlight | 43 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Hf | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Hf | Sigma | 1.2 4 | 1.5 5 | | Au(n,γ) | Scint Tank | 68 | KFK- 635 | Oct67 | KFK | Poenitz,W.P.+ |
| Hf | Rescn Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| Hf | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 3 | NC 29 977 | Aug63 | CAS | Giannini,M.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Hf | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Hf | Sigma | 8.0 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 1 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Hf | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Hf | Ang Distrib | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 20 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Hf | Legendre Fit | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 12 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Hf | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | PR 87 487 | Aug52 | ORL | Bernstein,S.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Hf | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 9 607 | 56 | ANL | Sidhu. |
| Hf | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 17 1087 | 64 | ANL | Atoji. |
| Hf | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 9 607 | 56 | ANL | Sidhu. |
| Hf | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ACR 17 1087 | 64 | ANL | Atoji. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Hf | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Hf | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Hf | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Hf | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| Hf | Rescn Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Hf | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| Hf | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Pile Oscilat | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| Hf | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 2 | NSE 33 350 | Sep68 | MTR | Rogers. |
| | NONELASTIC SCATT | | | | | | | | | | |
| Hf | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Hf | Sigma | 2.5 -2 | 2.5 -2 | | | Extrapolatn | 1 | PR 87 487 | Aug52 | ORL | Bernstein,S.+ |
| Hf | Sigma | 9.5 -1 | 8.6 3 | | Absolute | TimeOfFlight | 190 | PR 92 1527 | Dec53 | ANL | Bollinger. |
| Hf | Sigma | 5.0 4 | 3.0 6 | | Absolute | Accelerator | 23 | PR 93 461 | Feb54 | WIS | Okazaki. |
| Hf | Sigma | 6.1 -4 | 1.4 -1 | | Absolute | TimeOfFlight | 37 | BAP 6 70 | 61 | KAP | Slaughter. |
| Hf | Sigma | 1.8 -2 | 3.3 -1 | | Absolute | Crystal Spec | 34 | SCHERMER 61J | Oct61 | BNL | Schermer. |
| Hf | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | NSE 11 298 | Nov61 | MTR | Joki,E.G.+ |
| Hf | Sigma | 4.0 -2 | 3.5 0 | | Absolute | Crystal Spec | 438 | NSE 11 298 | Nov61 | MTR | Joki,E.G.+ |
| Hf | Sigma | 3.0 4 | 6.5 5 | | | Accelerator | 102 | SETH 65J | Oct65 | DKE | Seth. |
| Hf | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 258 | FOSTER 67E | May67 | BNW | Foster. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Hf | Resonance Energy | 7.0 1 | 4.0 2 | | | CaptureGamma | 6 | BAP 8 80 | 63 | RPI | Russell. |
| Hf | Resonance Energy | 2.2 1 | 2.0 2 | | | Shape Analys* | 18 | NP A117 586 | Sep68 | ISP | Coceva,C.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Hf | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Hf | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Hf | Strength Fn(l=1) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Hf | Strength Fn(l=2) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Hf | Str Fnct Part(γ) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Hf^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | BAP 6 70 | 61 | KAP | Slaughter. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Hf^{174}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 31 909 | 69 | BNL | Hillman. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Hf^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Hf^{174}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | OKAMOTO 71J | Oct71 | JAE | Okamoto,K.+ |
| | n-WIDTH | | | | | | | | | | |
| $Hf^{174}$ | Γ(n) | 3.0 1 | 3.0 1 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Hf^{174}$ | Γ(n) | 4.2 0 | 2.1 2 | | | AreaAnalysis | 10 | ORNL-3778 38 | 64 | ORL | Fuketa. |
| $Hf^{174}$ | Γ(n,l=0) | 3.0 1 | 3.0 1 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Hf^{174}$ | Strength Fn(l=0) | 1.1 2 | 1.1 2 | | | Holograph | 1 | ORNL-3778 38 | 64 | ORL | Fuketa. |
| $Hf^{174}$ | Level Spacing | 7.4 1 | 7.4 1 | | | TimeOfFlight | 1 | ORNL-3778 38 | 64 | ORL | Fuketa. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Hf^{176}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Hf^{176}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 31 909 | 69 | BNL | Hillman. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Hf^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Hf^{176}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | 68WASH- 821 | Mar68 | KAP | Fulmer. |
| $Hf^{176}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | NSE 33 350 | Sep68 | MTR | Rogers. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Hf^{176}$ | Sigma | 1.5 -2 | 6.0 -1 | | | TimeOfFlight | 20 | BAP 14 496 | Apr69 | KAP | Conrad. |
| $Hf^{176}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | OKAMOTO 71J | Oct71 | JAE | Okamoto,K.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | | | |
| $Hf^{176}$ | Γ(n) | 4.8 | 1 | 2.0 | 2 | | | AreaAnalysis | 6 | ORNL-3778 | 38 | 64 | ORL | Fuketa. |
| $Hf^{176}$ | Γ(n) | 2.0 | 2 | 1.1 | 3 | | | AreaAnalysis | 15 | AN.TECH.53 | | 65 | RPI | Fuketa. |
| $Hf^{176}$ | Γ(n) | 4.8 | 1 | 3.5 | 2 | | | AreaAnalysis | 11 | WASH-1056 | 99 | Mar65 | RPI | Fuketa. |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Hf^{176}$ | Resonance Energy | 6.7 | 1 | 6.6 | 2 | | | | 16 | RPI/PR- | 63 | 63 | RPI | Russel. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Hf^{176}$ | Strength Fn(l=0) | 1.0 | 2 | 1.0 | 2 | | | Holograph | 1 | ORNL-3778 | 38 | 64 | ORL | Fuketa. |
| $Hf^{176}$ | Level Spacing | 1.0 | 2 | 1.0 | 2 | | | TimeOfFlight | 1 | ORNL-3778 | 38 | 64 | ORL | Fuketa. |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Hf^{177}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | NP | 32 482 | 62 | ROS | Alexander. |
| $Hf^{177}$ | Spectrum | 1.1 | 0 | 1.1 | 0 | | Arb Units | γ-Spectromet | 4 | JAERI-1073 | | Mar65 | JAE | Kawarasaki,Y. |
| $Hf^{177}$ | Spectrum | 2.5 | -2 | 2.4 | 0 | | | | 24 | INDSWG- 74 | 6 | Oct65 | CCP | Broder,D.L.+ |
| $Hf^{177}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | | Ge(Li) Detect | 25 | PR | 146 844 | Jun66 | ANL | Namenson,A.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | | |
| $Hf^{177}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR | 88 412 | Oct52 | ORL | Pomerance. |
| $Hf^{177}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | ReactivityCo | 1 | 68WASH- | 821 | Mar68 | KAP | Fulmer. |
| $Hf^{177}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | ReactivityCo | 1 | NSE | 33 350 | Sep68 | MTR | Rogers. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | |
| $Hf^{177}$ | Sigma | 1.5 | -2 | 8.0 | -1 | | | TimeOfFlight | 21 | BAP | 14 496 | Apr69 | KAP | Conrad. |
| $Hf^{177}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | Transmission | 1 | OKAMOTO 71J | | Oct71 | JAE | Okamoto,K.+ |
| | γ-WIDTH | | | | | | | | | | | | | |
| $Hf^{177}$ | Γ(γ) | 1.1 | 0 | 2.4 | 0 | | | Shape Analys | 2 | PR | 101 726 | Jan56 | BNL | Igo,G.+ |
| $Hf^{177}$ | Γ(γ) | 6.5 | 0 | 6.5 | 0 | | | AreaAnalysis | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hf^{177}$ | Γ(γ) | 2.4 | 0 | 2.4 | 0 | | | Shape Analys | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hf^{177}$ | Γ(γ) | 1.1 | 0 | 1.1 | 0 | | | Shape Analys | 1 | NSE | 11 298 | Nov61 | MTR | Joki,E.G.+ |
| $Hf^{177}$ | Γ(γ) | 1.1 | 0 | 2.4 | 0 | | | Shape Analys | 2 | ORNL-3778 | 38 | 64 | ORL | Fuketa. |
| $Hf^{177}$ | Γ(γ) | 1.1 | 1 | 1.4 | 1 | | | Shape Analys | 3 | RPI/328- | 142 (1) | Sep68 | KAP | Kirouac. |
| | n-WIDTH | | | | | | | | | | | | | |
| $Hf^{177}$ | 2gΓ(n) | 5.9 | 0 | 1.0 | 2 | | | AreaAnalysis | 29 | PR | 99 10 | Jul55 | BNL | Harvey. |
| $Hf^{177}$ | 2gΓ(n) | 1.1 | 0 | 2.4 | 0 | | | Shape Analys | 2 | PR | 101 726 | Jan56 | BNL | Igo,G.+ |
| $Hf^{177}$ | 2gΓ(n) | 6.5 | 0 | 6.5 | 0 | | | AreaAnalysis | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hf^{177}$ | 2gΓ(n) | 2.4 | 0 | 2.4 | 0 | | | Shape Analys | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hf^{177}$ | 2gΓ(n) | 1.1 | 0 | 1.1 | 0 | | | Shape Analys | 1 | NSE | 11 298 | Nov61 | MTR | Joki,E.G.+ |
| $Hf^{177}$ | 2gΓ(n) | 5.9 | 0 | 1.8 | 2 | | | AreaAnalysis | 44 | ORNL-3778 | 38 | 64 | ORL | Fuketa. |
| $Hf^{177}$ | 2gΓ(n) | 1.1 | 0 | 2.4 | 0 | | | Shape Analys | 2 | ORNL-3778 | 38 | 64 | ORL | Fuketa. |
| $Hf^{177}$ | 2gΓ(n) | 2.0 | 2 | 1.0 | 3 | | | AreaAnalysis | 57 | AN.TECH.53 | | 65 | RPI | Fuketa. |
| $Hf^{177}$ | 2gΓ(n) | 3.2 | 1 | 3.8 | 2 | | | AreaAnalysis | 71 | WASH-1056 | 99 | Mar65 | RPI | Fuketa. |
| $Hf^{177}$ | 2gΓ(n,l=0) | 5.9 | 0 | 1.0 | 2 | | | AreaAnalysis | 28 | PR | 99 10 | Jul55 | BNL | Harvey. |
| | TOTAL WIDTH | | | | | | | | | | | | | |
| $Hf^{177}$ | Γ | 1.1 | 0 | 1.1 | 0 | | | AreaAnalysis | 1 | PR | 92 1527 | Dec53 | ANL | Bollinger. |
| $Hf^{177}$ | Γ | 1.1 | 0 | 2.4 | 0 | | | Shape Analys | 2 | PR | 101 726 | Jan56 | BNL | Igo,G.+ |
| $Hf^{177}$ | Γ | 6.5 | 0 | 6.5 | 0 | | | AreaAnalysis | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hf^{177}$ | Γ | 2.4 | 0 | 2.4 | 0 | | | Shape Analys | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hf^{177}$ | Γ | 1.1 | 0 | 1.1 | 0 | | | Shape Analys | 1 | NSE | 11 298 | Nov61 | MTR | Joki,E.G.+ |
| $Hf^{177}$ | Γ | 1.1 | 0 | 2.4 | 0 | | | Shape Analys | 2 | ORNL-3778 | 38 | 64 | ORL | Fuketa. |
| $Hf^{177}$ | $Γ_σ(0)$ | 1.1 | 0 | 2.4 | 0 | | | Shape Analys | 2 | PR | 101 726 | Jan56 | BNL | Igo,G.+ |
| $Hf^{177}$ | $Γ_σ(0)$ | 6.5 | 0 | 6.5 | 0 | | | AreaAnalysis | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hf^{177}$ | $Γ^2_σ(0)$ | 2.3 | 0 | 1.4 | 1 | | | AreaAnalysis | 5 | PR | 92 1527 | Dec53 | ANL | Bollinger. |
| $Hf^{177}$ | $Γ^2_σ(0)$ | 1.1 | 0 | 2.4 | 0 | | | Shape Analys | 2 | PR | 101 726 | Jan56 | BNL | Igo,G.+ |
| $Hf^{177}$ | $Γ^2_σ(0)$ | 6.5 | 0 | 6.5 | 0 | | | AreaAnalysis | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | |
| $Hf^{177}$ | Resonance Energy | 1.1 | 0 | 2.4 | 0 | | | CaptureGamma | 2 | NP | 10 386 | 59 | YAL | Fenstermacher,C.A.+ |
| $Hf^{177}$ | Resonance Energy | 2.4 | 0 | 2.4 | 0 | | | Shape Analys | 1 | NSE | 11 298 | Nov61 | MTR | Joki,E.G.+ |
| $Hf^{177}$ | Resonance Energy | 2.4 | 0 | 2.6 | 1 | | | CaptureGamma | 5 | ANL-6589 | | Aug62 | ANL | Carpenter. |
| $Hf^{177}$ | Resonance Energy | 5.5 | 1 | 5.0 | 2 | | | CaptureGamma | 65 | BAP | 8 80 | 63 | RPI | Russell. |
| $Hf^{177}$ | Resonance Energy | 3.7 | 2 | 3.8 | 2 | | | AreaAnalysis | 2 | AN.TECH.53 | | 65 | RPI | Fuketa. |
| $Hf^{177}$ | Resonance Energy | 1.1 | 0 | 2.1 | 2 | | | Shape Analys* | 46 | NP A117 | 586 | Sep68 | ISP | Coceva,C.+ |
| $Hf^{177}$ | Resonance Energy | 1.1 | 0 | 8.9 | 0 | | | * | 4 | PR C | 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| $Hf^{177}$ | Resonance Energy | 1.1 | 0 | 3.0 | 2 | | | TimeOfFlight* | 97 | CNEN/RT/FI- | 55 | Dec70 | GEL | Coceva,C.+ |
| $Hf^{177}$ | σ(0) | 1.1 | 0 | 1.1 | 0 | | | AreaAnalysis | 1 | PR | 92 1527 | Dec53 | ANL | Bollinger. |
| $Hf^{177}$ | σ(0) | 1.1 | 0 | 2.4 | 0 | | | Shape Analys | 2 | PR | 101 726 | Jan56 | BNL | Igo,G.+ |
| $Hf^{177}$ | σ(0) | 6.5 | 0 | 6.5 | 0 | | | AreaAnalysis | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hf^{177}$ | σ(0) | 1.1 | 0 | 1.1 | 0 | | | Shape Analys | 1 | NSE | 11 298 | Nov61 | MTR | Joki,E.G.+ |
| $Hf^{177}$ | Spin of Reson | 1.1 | 0 | 1.1 | 1 | | | CaptureGamma | 3 | ANL-6589 | | Aug62 | ANL | Carpenter. |
| $Hf^{177}$ | Spin of Reson | 1.1 | 0 | 2.2 | 1 | | | CaptureGamma | 9 | BAP | 9 433 | Apr64 | ANL | Mughabghab. |
| $Hf^{177}$ | Spin of Reson | 1.1 | 0 | 2.4 | 0 | | | TimeOfFlight | 2 | NP | 62 641 | Feb65 | MOL | Ceulemans,H.+ |
| $Hf^{177}$ | Spin of Reson | 1.1 | 0 | 2.1 | 2 | | | Shape Analys | 46 | NP A117 | 586 | Sep68 | ISP | Coceva,C.+ |
| $Hf^{177}$ | Spin of Reson | 1.1 | 0 | 8.9 | 0 | | | * | 4 | PR C | 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| $Hf^{177}$ | Spin of Reson | 1.1 | 0 | 3.0 | 2 | | | CaptureGamma* | 97 | CNEN/RT/FI- | 55 | Dec70 | GEL | Coceva,C.+ |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Hf^{177}$ | Strength Fn(l=0) | 8.8 | 1 | 8.8 | 1 | | | Holograph | 1 | ORNL-3778 | 38 | 64 | ORL | Fuketa. |
| $Hf^{177}$ | Strength Fn(l=0) | 3.0 | 2 | 3.0 | 2 | | | TimeOfFlight* | 2 | CNEN/RT/FI- | 55 | Dec70 | GEL | Coceva,C.+ |
| $Hf^{177}$ | Level Spacing | 3.5 | 1 | 3.5 | 1 | | | TimeOfFlight | 1 | ORNL-3778 | 38 | 64 | ORL | Fuketa. |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Hf^{178}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | NP | 32 482 | 62 | ROS | Alexander. |
| $Hf^{178}$ | Spectrum | 7.8 | 0 | 7.8 | 0 | | Arb Units | γ-Spectromet | 4 | JAERI-1073 | | Mar65 | JAE | Kawarasaki,Y. |
| $Hf^{178}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | | Ge(Li) Detect | 2 | PR | 146 844 | Jun66 | ANL | Namenson,A.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | | |
| $Hf^{178}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS | 73 215 | 59 | ALD | Coleman,R.F.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Hf^{178}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Hf^{178}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Hf^{178}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | 68WASH- 821 | Mar68 | KAP | Fulmer. |
| $Hf^{178}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | NSE 33 350 | Sep68 | MTR | Rogers. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Hf^{178}$ | Sigma | 1.5 -2 | 8.0 -1 | | | TimeOfFlight | 21 | BAP 14 496 | Apr69 | KAP | Conrad. |
| $Hf^{178}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | OKAMOTO 71J | Oct71 | JAE | Okamoto,K.+ |
| | n-WIDTH | | | | | | | | | | |
| $Hf^{178}$ | Γ(n) | 7.8 0 | 7.8 0 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Hf^{178}$ | Γ(n) | 1.0 2 | 1.6 2 | | | AreaAnalysis | 2 | ORNL-3778 38 | 64 | ORL | Puketa. |
| $Hf^{178}$ | Γ(n) | 1.1 2 | 2.8 8 | | | AreaAnalysis | 6 | WASH-1056 99 | Mar65 | RPI | Puketa. |
| $Hf^{178}$ | Γ(n,l=0) | 7.8 0 | 7.8 0 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Hf^{178}$ | $\Gamma^2\sigma(0)$ | 7.6 0 | 7.6 0 | | | AreaAnalysis | 1 | PR 92 1527 | Dec53 | ANL | Bollinger. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Hf^{178}$ | Resonance Energy | 1.0 2 | 4.5 2 | | | CaptureGamma | 7 | BAP 8 80 | 63 | RPI | Russell. |
| $Hf^{178}$ | Resonance Energy | 5.0 2 | 8.6 2 | | | | 4 | RPI/PR- 63 | 63 | RPI | Russel. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Hf^{178}$ | Strength Fn(l=0) | 8.2 1 | 8.2 1 | | | Holograph | 1 | ORNL-3778 38 | 64 | ORL | Puketa. |
| $Hf^{178}$ | Level Spacing | 8.2 1 | 8.2 1 | | | TimeOfFlight | 1 | ORNL-3778 38 | 64 | ORL | Puketa. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Hf^{179}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | PR 158 1105 | Jun67 | BNL | Goldhaber. |
| $Hf^{179}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | Ge(Li)Detect | 13 | PR 146 844 | Jun66 | ANL | Namenson,A.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Hf^{179}$ | Sigma | 2.8 6 | 2.8 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Hf^{179}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 88 349 | Nov66 | MUA | Rama Prasad,P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Hf^{179}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Hf^{179}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | 68WASH- 821 | Mar68 | KAP | Fulmer. |
| $Hf^{179}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | NSE 33 350 | Sep68 | MTR | Rogers. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Hf^{179}$ | Sigma | 1.5 -2 | 8.0 -1 | | | TimeOfFlight | 21 | BAP 14 496 | Apr69 | KAP | Conrad. |
| $Hf^{179}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | OKAMOTO 71J | Oct71 | JAE | Okamoto,K.+ |
| | n-WIDTH | | | | | | | | | | |
| $Hf^{179}$ | 2gΓ(n) | 5.7 0 | 1.1 2 | | | AreaAnalysis | 26 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Hf^{179}$ | 2gΓ(n) | 5.7 0 | 1.9 2 | | | AreaAnalysis | 31 | ORNL-3778 38 | 64 | ORL | Puketa. |
| $Hf^{179}$ | 2gΓ(n) | 2.0 2 | 1.0 3 | | | AreaAnalysis | 40 | AN.TECH.53 | 65 | RPI | Puketa. |
| $Hf^{179}$ | 2gΓ(n) | 3.1 1 | 3.9 2 | | | AreaAnalysis | 45 | WASH-1056 99 | Mar65 | RPI | Puketa. |
| $Hf^{179}$ | 2gΓ(n,l=0) | 5.7 0 | 1.1 2 | | | AreaAnalysis | 27 | PR 99 10 | Jul55 | BNL | Harvey. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Hf^{179}$ | $\Gamma^2\sigma(0)$ | 5.6 0 | 5.6 0 | | | AreaAnalysis | 1 | PR 92 1527 | Dec53 | ANL | Bollinger. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Hf^{179}$ | Resonance Energy | 5.5 1 | 4.9 2 | | | CaptureGamma | 53 | BAP 8 80 | 63 | RPI | Russell. |
| $Hf^{179}$ | Resonance Energy | 5.7 0 | 2.0 2 | | | TimeOfFlight* | 44 | CNEN/RT/FI- 55 | Dec70 | GEL | Coceva,C.+ |
| $Hf^{179}$ | σ(0) | 1.1 0 | 2.2 0 | | | Shape Analys | 2 | NAT 167 896 | Jun51 | HAR | Egelstaff. |
| $Hf^{179}$ | Spin of Reson | 5.7 0 | 2.0 2 | | | CaptureGamma* | 44 | CNEN/RT/FI- 55 | Dec70 | GEL | Coceva,C.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Hf^{179}$ | Strength Fn(l=0) | 9.4 1 | 9.4 1 | | | Holograph | 1 | ORNL-3778 38 | 64 | ORL | Puketa. |
| $Hf^{179}$ | Strength Fn(l=0) | 2.0 2 | 2.0 2 | | | TimeOfFlight* | 2 | CNEN/RT/FI- 55 | Dec70 | GEL | Coceva,C.+ |
| $Hf^{179}$ | Level Spacing | 5.0 1 | 5.0 1 | | | TimeOfFlight | 1 | ORNL-3778 38 | 64 | ORL | Puketa. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Hf^{180}$ | Sigma | 2.4 4 | 2.4 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Hf^{180}$ | Sigma | 1.8 6 | 4.0 6 | | $U^{235}$(n,f) | Activation | 6 | PR 128 2717 | Dec62 | LRL | Miskel. |
| $Hf^{180}$ | Sigma | 3.2 4 | 8.5 5 | N | $U^{235}$(n,f) | Activation | 9 | PR 128 2717 | Dec62 | LRL | Miskel. |
| $Hf^{180}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | PR 158 1105 | Jun67 | BNL | Goldhaber. |
| $Hf^{180}$ | Spectrum | 2.5 -2 | 2.5 -2 | | | Ge(Li)Detect | 2 | PR 146 844 | Jun66 | ANL | Namenson,A.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Hf^{180}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 31 909 | 69 | BNL | Hillman. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Hf^{180}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation * | 1 | NP 88 349 | Nov66 | MUA | Rama Prasad,P.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Hf^{180}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | JIN 31 909 | 69 | BNL | Hillman. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Hf^{180}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Hf^{180}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | 68WASH- 821 | Mar68 | KAP | Fulmer. |
| $Hf^{180}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | NSE 33 350 | Sep68 | MTR | Rogers. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Hf^{180}$ | Sigma | 1.5 -2 | 8.0 -1 | | | TimeOfFlight | 21 | BAP 14 496 | Apr69 | KAP | Conrad. |
| $Hf^{180}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Transmission | 1 | OKAMOTO 71J | Oct71 | JAE | Okamoto,K.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | | |
| $Hf^{180}$ | Γ(n) | 7.4 | 1 | 7.4 | 1 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| $Hf^{180}$ | Γ(n) | 7.2 | 1 | 1.7 | 2 | | | AreaAnalysis | 2 | ORNL-3778 38 | 64 | ORL | Puketa. |
| $Hf^{180}$ | Γ(n) | 4.5 | 2 | 9.1 | 2 | | | AreaAnalysis | 4 | AN.TECH.53 | 65 | RPI | Puketa. |
| $Hf^{180}$ | Γ(n) | 7.3 | 1 | 1.7 | 2 | | | AreaAnalysis | 2 | WASH-1056 99 | Mar65 | RPI | Puketa. |
| $Hf^{180}$ | Γ(n,l=0) | 7.4 | 1 | 7.4 | 1 | | | AreaAnalysis | 1 | PR 99 10 | Jul55 | BNL | Harvey. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Hf^{180}$ | Resonance Energy | 7.2 | 1 | 4.8 | 2 | | | CaptureGamma | 4 | BAP 8 80 | 63 | RPI | Russell. |
| $Hf^{180}$ | Resonance Energy | 8.0 | 2 | 9.1 | 2 | | | | 2 | RPI/PR- 63 | 63 | RPI | Russel. |
| $Hf^{180}$ | Resonance Energy | 7.9 | 2 | 7.9 | 2 | | | AreaAnalysis | 1 | AN.TECH.53 | 65 | RPI | Puketa. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Hf^{180}$ | Strength Fn(l=0) | 8.6 | 1 | 8.6 | 1 | | | Holograph | 1 | ORNL-3778 38 | 64 | ORL | Puketa. |
| $Hf^{180}$ | Level Spačing | 8.6 | 1 | 8.6 | 1 | | | TimeOfFlight | 1 | ORNL-3778 38 | 64 | ORL | Puketa. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Hf^{181}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | AnothA SameZ | Mass Spec | 1 | PR 123 1354 | Aug61 | ANL | Wing. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Hf^{182}$ | Sigma | 8.6 | -1 | 3.2 | 0 | | Absolute | TimeOfFlight | 139 | ANS 6 41 | 63 | MTR | Stokes. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ta | Sigma | 1.7 5 | 1.0 6 | | $U^{235}$(n,f) | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Ta | Sigma | 6.5 3 | 1.7 5 | | Indium | Scint Tank | 51 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Ta | Sigma | 2.0 2 | 7.0 3 | | | Scint Tank | 49 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Ta | Sigma | 3.4 4 | 3.0 5 | | Silver | CrystalScint* | 5 | AF 23 425 | 63 | FOA | Berggvist. |
| Ta | Sigma | 1.0 2 | 1.7 4 | | Boron | Moxon-Rae C | 829 | NIM 24 445 | 63 | HAR | Moxon,M.C.+ |
| Ta | Sigma | 3.0 4 | 3.0 4 | | | TimeOfFlight | 1 | NP 43 353 | 63 | ORL | Macklin. |
| Ta | Sigma | 9.7 0 | 1.0 2 | | Boron | Moxon-Rae C | 759 | MOXON 64D | Apr64 | HAR | Moxon. |
| Ta | Sigma | 3.3 4 | 1.5 5 | | | Liquid Scint | 15 | AE 19 457 | Nov65 | CCP | Kononov. |
| Ta | Sigma | 3.0 4 | 3.1 5 | | $U^{235}$(n,f) | Moxon-Rae C | 4 | BAP 11 167 | Mar66 | ORL | Macklin,R.L.+ |
| Ta | Sigma | 3.3 4 | 1.6 5 | | Indium | TimeOfFlight | 15 | YF 4 282 | Aug66 | OBN | Kononov,V.N.+ |
| Ta | Sigma | 1.3 4 | 1.6 5 | N | Au(n,γ) | Scint Tank | 66 | 66PARIS/I- 513 | Oct66 | KPK | Kompe,D. |
| Ta | Sigma | 1.3 4 | 1.6 5 | | Au(n,γ) | Scint Tank | 66 | KPK- 635 | Oct67 | KPK | Poenitz,W.P.+ |
| Ta | Sigma | 9.6 2 | 1.1 6 | | | TimeOfFlight* | 95 | 70HELSNK/II-265 | Jun70 | GA | Fricke,M.P.+ |
| Ta | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Ta | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ta | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Ta | Sigma | 9.0 5 | 9.0 5 | | Carbon | TimeOfFlight | 1 | BAP 6 61 | Feb61 | CSE | Rogers,W.L.+ |
| Ta | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | PR 128 1271 | Nov62 | VIR | Hudson,C.I.+ |
| Ta | Sigma | 3.0 5 | 1.5 6 | S | Carbon | TimeOfFlight | 25 | ANL-6727 | 63 | ANL | Smith. |
| Ta | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Ta | Sigma | 2.0 6 | 2.0 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Ta | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 96 | ANL-7363 | Aug67 | ANL | Smith. |
| Ta | Sigma | 2.5 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 7 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Ta | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ta | Ang Distrib | 1.0 6 | 1.0 6 | | | Ring Geomtry | 5 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| Ta | Ang Distrib | 4.1 6 | 4.1 6 | | | Biased Scint | 13 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Ta | Ang Distrib | 5.0 5 | 1.5 6 | | | Ring Geomtry | 3 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Ta | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 11 | PR 101 684 | Jan56 | NRL | Elliot,J.O. |
| Ta | Ang Distrib | 3.3 6 | 3.3 6 | | H(n,n) | Biased Scint | 9 | HPA 29 545 | Apr56 | ETH | Remund,A.E. |
| Ta | Ang Distrib | 2.5 6 | 7.0 6 | | | Proportion C | 32 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Ta | Ang Distrib | 1.5 7 | 1.5 7 | | | Biased Scint | 23 | NP 15 155 | Feb60 | CR | Cross,W.G.+ |
| Ta | Ang Distrib | 4.2 5 | 9.9 5 | | Carbon | TimeOfFlight | 26 | BAP 6 61 | Feb61 | CSE | Rogers,W.L.+ |
| Ta | Ang Distrib | 3.5 5 | 1.1 6 | | Carbon | Biased Scint | 127 | SMITH 62 | 62 | ANL | Smith. |
| Ta | Ang Distrib | 1.5 7 | 1.5 7 | | | Biased Scint | 38 | PR 128 1271 | Nov62 | VIR | Hudson,C.I.+ |
| Ta | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 3 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Ta | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Ta | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 7 | EANDC/J- 1 24 | Jul65 | KYU | Yoshimura,A.+ |
| Ta | Ang Distrib | 3.2 6 | 3.2 6 | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| Ta | Ang Distrib | 5.0 6 | 5.0 6 | | σ(Total) | TimeOfFlight | 26 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| Ta | Ang Distrib | 2.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 132 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Ta | Legendre Fit | 3.0 5 | 1.5 6 | S | Carbon | TimeOfFlight | 175 | ANL-6727 | 63 | ANL | Smith. |
| Ta | Legendre Fit | 5.4 5 | 5.5 5 | | Carbon | TimeOfFlight | 2 | SMITH 65H | Aug65 | ANL | Smith. |
| Ta | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 480 | ANL-7363 | Aug67 | ANL | Smith. |
| Ta | Legendre Fit | 2.5 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 77 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| Ta | Polarizat n-out | 4.0 5 | 1.0 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| | ELASTIC+SCME INEL | | | | | | | | | | |
| Ta | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| Ta | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PR 107 824 | Aug57 | LAS | Rosen. |
| Ta | Sigma | 4.0 5 | 4.0 5 | | | | 1 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Ta | Sigma | 4.0 5 | 1.2 6 | | | $He^3$ Spec | 19 | AE 15 416 | Nov63 | CCP | Glazkov,N.P. |
| Ta | Sigma | 4.5 5 | 1.5 6 | | Carbon | TimeOfFlight | 145 | ANL-7363 | Aug67 | ANL | Smith. |
| Ta | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 22 | TSUKADA 62 | 62 | JAE | Tsukada,K.+ |
| Ta | Ang Distrib | 7.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 2 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Ta | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 14 | EANDC/J- 1 24 | Jul65 | KYU | Yoshimura,A.+ |
| Ta | Ang Distrib | 1.4 7 | 1.4 7 | | Carbon | Count Telesc | 1 | JNE 19 497 | Jul65 | RPI | Pearlstein. |
| Ta | Ang Distrib | 5.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| Ta | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 2 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Ta | Sigma | 2.6 6 | 2.6 6 | | Absolute | 4Pi*σ(90°) | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ta | Sigma | 2.6 6 | 2.6 6 | N | | 4Pi*σ(90°) | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| Ta | Ang Distrib | 3.2 6 | 3.2 6 | | | CrystalScint | 2 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Ta | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ta | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ta | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ta | Scatt Amplitude | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Ta | Scatt Amplitude | 4.5 -4 | 4.5 -4 | | | Mirror Refl * | 1 | ZN A 26 391 | Mar71 | MUN | Koester,L.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Ta | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PR 107 824 | Aug57 | LAS | Rosen. |
| Ta | Sigma | 1.4 7 | 1.4 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| Ta | Sigma | 1.4 7 | 1.4 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| | (n,p) REACTION | | | | | | | | | | |
| Ta | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Biased Scint | 1 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| | p-EMISSION | | | | | | | | | | |
| Ta | Spectrum | 1.5 7 | 1.5 7 | | Arb Units | Biased Scint | 38 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ta | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ta | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ta | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ta | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Ta | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | NONELASTIC SCATT | | | | | | | | | | |
| Ta | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Ta | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Ta | Sigma | 2.5 6 | 7.0 6 | | Absolute | Shell Trans | 2 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Ta | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PR 107 824 | Aug57 | LAS | Rosen. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ta | Sigma | 1.2 4 | 1.5 6 | | Absolute | Accelerator | 33 | PR 76 277 | Jul49 | WIS | Bockelman. |
| Ta | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Ta | Sigma | 1.0 6 | 3.2 6 | | Absolute | Accelerator | 14 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Ta | Sigma | 3.5 7 | 1.9 8 | | Carbon | TimeOfFlight | 41 | UCRL- 2337 | Aug53 | BRK | Ragent. |
| Ta | Sigma | 2.7 6 | 1.3 7 | | Absolute | Ion Chamber | 29 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Ta | Sigma | 2.5 -2 | 8.2 1 | | Absolute | Crystal Spec | 503 | PR 97 565 | Jan55 | MTR | Evans. |
| Ta | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Ta | Sigma | 8.2 0 | 9.2 4 | | Absolute | TimeOfFlight | 642 | 55GENEVA/ 4- 22 | Aug55 | CCP | Vladimirski. |
| Ta | Sigma | 8.0 2 | 2.4 4 | | Absolute | TimeOfFlight | 18 | EGELSTAFF 56P | Jun56 | HAR | Egelstaff. |
| Ta | Sigma | 5.0 2 | 5.7 3 | | Absolute | Accelerator | 20 | PR 105 198 | Jan57 | DKE | Newson. |
| Ta | Sigma | 7.2 6 | 2.6 7 | S | Absolute | Biased Scint | 6 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Ta | Sigma | 2.0 1 | 1.1 2 | | Absolute | TimeOfFlight | 297 | NP 9 198 | 58 | HAR | Firk,F.W.K. |
| Ta | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 6 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Ta | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Ta | Sigma | 2.0 -3 | 2.8 -1 | | Absolute | TimeOfFlight | 93 | NSE 7 193 | Feb60 | MTR | Randolf,P.D.+ |
| Ta | Sigma | 1.7 7 | 2.8 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Ta | Sigma | 3.0 4 | 6.5 5 | | | Accelerator | 102 | SETH 65J | Oct65 | DKE | Seth. |
| Ta | Sigma | 2.1 -3 | 2.3 -1 | | Absolute | TimeOfFlight | 123 | JNE 21 425 | Jun67 | UAR | Adib,M.+ |
| Ta | Sigma | 4.5 6 | 7.7 6 | | Absolute | Accelerator | 64 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Ta | Sigma | 4.5 6 | 7.7 6 | S | Absolute | Accelerator | 64 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Ta | Sigma | 1.0 5 | 6.5 5 | | Absolute | | 538 | ANL-7363 | Aug67 | ANL | Smith. |
| Ta | Sigma | 3.3 6 | 5.1 6 | | Absolute | Transmission | 67 | ARS 66 27 | Feb70 | JNE | |
| | γ-WIDTH | | | | | | | | | | |
| Ta | Γ(γ) | 1.0 1 | 2.0 1 | | | AreaAnalysis | 3 | PR 99 10 | Jul55 | BNL | Harvey. |
| Ta | Γ(γ) | 1.0 1 | 2.4 1 | | | AreaAnalysis | 4 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Ta | Γ(γ) | 1.4 1 | 3.9 1 | | | AreaAnalysis | 4 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| Ta | Γ(γ) | 2.0 1 | 9.9 1 | | | AreaAnalysis | 13 | NP 9 198 | 58 | HAR | Firk,F.W.K. |
| Ta | Γ(γ) | 7.7 1 | 2.2 2 | | | AreaAnalysis | 13 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ta | Γ(γ) | 4.3 0 | 2.0 2 | | | AreaAnalysis | 17 | 61DUBNA- 57 | Dec61 | CCP | |
| Ta | Γ(γ) | 3.0 1 | 1.4 2 | | | AreaAnalysis | 14 | GARG 66 | 66 | COL | Garg,J.B. |
| | n-WIDTH | | | | | | | | | | |
| Ta | 2gΓ(n) | 1.0 1 | 1.3 2 | | | AreaAnalysis | 19 | PR 99 10 | Jul55 | BNL | Harvey. |
| Ta | 2gΓ(n) | 1.4 1 | 1.5 2 | | | AreaAnalysis | 46 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| Ta | 2gΓ(n) | 2.0 1 | 9.9 1 | | | AreaAnalysis | 13 | NP 9 198 | 58 | HAR | Firk,F.W.K. |
| Ta | 2gΓ(n) | 7.7 1 | 3.3 2 | | | AreaAnalysis | 62 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ta | 2gΓ(n) | 4.3 0 | 2.0 2 | | | AreaAnalysis | 44 | 61DUBNA- 57 | Dec61 | CCP | |
| Ta | 2gΓ(n,l=0) | 1.0 1 | 1.3 2 | | | AreaAnalysis | 19 | PR 99 10 | Jul55 | BNL | Harvey. |
| Ta | 2gΓ(n,l=0) | 7.7 1 | 3.3 2 | | | AreaAnalysis | 62 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Ta | 2gΓ(n,l=0) | 4.3 0 | 2.0 2 | | | AreaAnalysis | 44 | 61DUBNA- 57 | Dec61 | CCP | |
| Ta | 2gΓ(n,l=0) | 3.0 1 | 2.5 2 | | | AreaAnalysis | 53 | GARG 66 | 66 | COL | Garg,J.B. |
| Ta | $2g\Gamma^2(n)/\Gamma$ | 2.4 1 | 2.4 1 | | | | 1 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| Ta | Γ | 2.0 1 | 9.9 1 | | | AreaAnalysis | 13 | NP 9 198 | 58 | HAR | Firk,F.W.K. |
| Ta | Γ | 4.3 0 | 2.0 2 | | | AreaAnalysis | 17 | 61DUBNA- 57 | Dec61 | CCP | |
| Ta | Γ | 3.0 1 | 1.4 2 | | | AreaAnalysis | 14 | GARG 66 | 66 | COL | Garg,J.B. |
| Ta | $\Gamma\sigma(0)$ | 1.4 1 | 1.5 2 | | | AreaAnalysis | 23 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| Ta | $\Gamma^2\sigma(0)$ | 2.0 1 | 9.9 1 | | | AreaAnalysis | 14 | NP 9 198 | 58 | HAR | Firk,F.W.K. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Ta | Resonance Energy | 5.7 1 | 9.7 1 | | | AreaAnalysis | 7 | NP 9 198 | 58 | HAR | Firk,F.W.K. |
| Ta | Resonance Energy | 2.5 2 | 1.4 3 | | | AreaAnalysis | 250 | GARG 66 | 66 | COL | Garg,J.B. |
| Ta | Resonance Energy | 1.7 1 | 1.7 1 | | Absolute | | 1 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| Ta | σ(0) | 1.0 1 | 2.4 1 | | | AreaAnalysis | 6 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Ta | σ(0) | 1.4 1 | 3.9 1 | | | AreaAnalysis | 4 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| Ta | σ(0) | 2.0 1 | 9.9 1 | | | AreaAnalysis | 13 | NP 9 198 | 58 | HAR | Firk,F.W.K. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ta^{181}$ | Sigma | 2.0 4 | 2.0 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Ta^{181}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NUK 2 255 | Dec60 | MUN | Wolf. |
| $Ta^{181}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 121 1158 | Feb61 | BNL | Sunyar. |
| $Ta^{181}$ | Sigma | 3.2 4 | 4.0 6 | | $U^{235}(n,f)$ | Activation | 26 | PR 128 2717 | Dec62 | LRL | Miskel. |
| $Ta^{181}$ | Sigma | 3.2 4 | 1.8 5 | N | $U^{235}(n,f)$ | Activation | 6 | PR 128 2717 | Dec62 | LRL | Miskel. |
| $Ta^{181}$ | Sigma | 3.2 -1 | 4.5 4 | | σ(Thermal) | Slowing-Down | 148 | ZET 46 80 | 63 | LEB | Konks. |
| $Ta^{181}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | NYO-10175 | 64 | UCB | Arino. |
| $Ta^{181}$ | Sigma | 3.5 4 | 5.1 6 | | | Activation * | 38 | APP 35 417 | Mar69 | WWA | Brzosko,J.S.+ |
| $Ta^{181}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 6 | NC 27 1032 | Feb63 | CAS | Giannini,M.+ |
| $Ta^{181}$ | Spectrum | 4.8 0 | 4.8 0 | | Arb Units | γ-Spectromet | 4 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| | INEL SCATTERING | | | | | | | | | | |
| $Ta^{181}$ | Sigma | 7.1 5 | 9.0 5 | | Carbon | TimeOfFlight | 3 | BAP 6 61 | Feb61 | CSE | Rogers,W.L.+ |
| $Ta^{181}$ | Ang Distrib | 4.2 5 | 9.9 5 | | Carbon | TimeOfFlight | 40 | BAP 6 61 | Feb61 | CSE | Rogers,W.L.+ |
| $Ta^{181}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 54 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Ta^{181}$ | Sigma | 2.6 6 | 2.6 6 | | Absolute | $4\pi*\sigma(90°)$ | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Ta^{181}$ | Sigma | 2.6 6 | 2.6 6 | N | | $4\pi*\sigma(90°)$ | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Ta^{181}$ | Sigma | 6.0 5 | 9.5 5 | | | TimeOfFlight | 4 | AP 12 485 | 61 | LAS | Lind. |
| $Ta^{181}$ | Sigma | 4.4 5 | 1.6 6 | | | $4\pi*\sigma(90°)$ | 30 | AP 12 485 | 61 | LAS | Lind. |
| $Ta^{181}$ | Ang Distrib | 2.6 6 | 2.6 6 | | | Ring Geomtry | 4 | PR 102 767 | May56 | LAS | Day,R.B. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Ta^{181}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ta^{181}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ta^{181}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Ta^{181}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION | | | | | | | | | | |
| $Ta^{181}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Ta^{181}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | JIN 13 196 | 60 | ARK | Poularikas. |
| $Ta^{181}$ | Sigma | 1.4 7 | 2.0 7 | | $U^{238}(n,f)$ | Activation | 8 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Ta^{181}$ | Sigma | 1.4 7 | 1.5 7 | | Arb Units | Activation | * 24 | 65ANTWRP-102 A | Jul65 | DEB | Csikai,J. |
| $Ta^{181}$ | Sigma | 1.3 7 | 1.8 7 | | Arb Units | Activation | 22 | INR- 795/I/PL | Jun67 | JAD | Brzosko. |
| $Ta^{181}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | INR- 795/I/PL | Jun67 | JAD | Brzosko. |
| $Ta^{181}$ | Sigma | 1.4 7 | 1.5 7 | | Ratio | | * 11 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Ta^{181}$ | Sigma | 1.4 7 | 1.5 7 | | Ratio | Activation | 5 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| $Ta^{181}$ | Sigma | 1.3 7 | 1.8 7 | | H(n,n) | Activation | 11 | NP A115 309 | Jul68 | HAM | Bormann,M.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Ta^{181}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| $Ta^{181}$ | Sigma | 1.3 7 | 1.7 7 | | Al(n,alpha) | Activation | 10 | APP 35 413 | 69 | JAD | Brzosko. |
| $Ta^{181}$ | Sigma | 1.3 7 | 1.7 7 | | Al(n,alpha) | Activation | 10 | NP A123 603 | Jan69 | WWA | Brzosko. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ta^{181}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| $Ta^{181}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Solidstate C | 13 | NP 46 51 | Jul63 | CIS | Marcazzan,G.M.+ |
| $Ta^{181}$ | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Solidstate C | 1 | NP 46 51 | Jul63 | CIS | Marcazzan,G.M.+ |
| $Ta^{181}$ | $(\theta,E)$-Distrib | 1.5 7 | 1.5 7 | | Absolute | Solidstate C | 13 | NP A149 513 | Jul70 | TIT | Kitazawa,H. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ta^{181}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,$\gamma$) | Activation | 1 | NUK 2 255 | Dec60 | MUN | Wolf. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ta^{181}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $Ta^{181}$ | Sigma | 7.0 5 | 1.5 7 | | Absolute | TimeOfFlight | 565 | BAP 12 106 | Feb67 | RPI | Yergin. |
| $Ta^{181}$ | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Ta^{181}$ | $\Gamma(\gamma)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ta^{181}$ | $\Gamma(\gamma)$ | 4.3 0 | 6.3 1 | | | AreaAnalysis | 14 | NP 9 205 | 58 | HAR | Evans. |
| $Ta^{181}$ | $\Gamma^2(\gamma)\sigma(0)$ | 1.3 1 | 3.8 1 | | | CaptureGamma | 6 | KAPL-1084 | 54 | KAP | Gaerttner. |
| | n-WIDTH | | | | | | | | | | |
| $Ta^{181}$ | $\Gamma(n)$ | 1.0 1 | 2.0 2 | | Absolute | AreaAnalysis | 29 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Ta^{181}$ | $\Gamma(n)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ta^{181}$ | $\Gamma(n)$ | 4.3 0 | 6.3 1 | | | AreaAnalysis | 13 | NP 9 205 | 58 | HAR | Evans. |
| $Ta^{181}$ | $\Gamma(n)$ | 4.3 0 | 4.3 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ta^{181}$ | $\Gamma(n)$ | 4.3 0 | 4.3 0 | | | AreaAnalysis | 1 | NIM 60 113 | Mar68 | TRM | |
| $Ta^{181}$ | $2g\Gamma(n)$ | 1.0 1 | 2.1 1 | | | | 3 | PR 92 1509 | Dec53 | BNL | Christensen,R.L. |
| $Ta^{181}$ | $2g\Gamma(n)$ | 2.4 1 | 3.9 1 | | | AreaAnalysis | 3 | PR 92 1509 | Dec53 | BNL | Christensen,R.L. |
| $Ta^{181}$ | $2g\Gamma(n)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 92 1509 | Dec53 | BNL | Christensen,R.L. |
| $Ta^{181}$ | $\Gamma(n,l=0)$ | 1.0 1 | 2.0 2 | | Absolute | AreaAnalysis | 29 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Ta^{181}$ | $2g\Gamma(n,l=0)$ | 1.0 1 | 3.8 1 | | | AreaAnalysis | 6 | PR 92 702 | Nov53 | COL | Melkonian,E.+ |
| $Ta^{181}$ | $2g\Gamma(n,l=0)$ | 1.0 1 | 2.1 1 | | | | 3 | PR 92 1509 | Dec53 | BNL | Christensen,R.L. |
| $Ta^{181}$ | $2g\Gamma(n,l=0)$ | 2.4 1 | 3.9 1 | | | AreaAnalysis | 3 | PR 92 1509 | Dec53 | BNL | Christensen,R.L. |
| $Ta^{181}$ | $2g\Gamma(n,l=0)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 92 1509 | Dec53 | BNL | Christensen,R.L. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ta^{181}$ | $\Gamma$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ta^{181}$ | $\Gamma$ | 4.3 0 | 4.3 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ta^{181}$ | $\Gamma\sigma(0)$ | 4.3 0 | 4.3 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ta^{181}$ | $\Gamma\sigma(0)$ | 4.3 0 | 4.3 0 | | | AreaAnalysis | 1 | NIM 60 113 | Mar68 | TRM | |
| $Ta^{181}$ | $\Gamma^2\sigma(0)$ | 4.1 0 | 3.7 1 | | | AreaAnalysis | 5 | PR 71 165 | Feb47 | COL | Havens,J.R.+ |
| $Ta^{181}$ | $\Gamma^2\sigma(0)$ | 1.0 1 | 3.8 1 | | | AreaAnalysis | 6 | PR 92 702 | Nov53 | COL | Melkonian,E.+ |
| $Ta^{181}$ | $\Gamma^2\sigma(0)$ | 1.0 1 | 3.9 1 | | | AreaAnalysis | 6 | PR 92 1509 | Dec53 | BNL | Christensen,R.L. |
| $Ta^{181}$ | $\Gamma^2\sigma(0)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 92 1509 | Dec53 | BNL | Christensen,R.L. |
| $Ta^{181}$ | $\Gamma^2\sigma(0)$ | 1.0 1 | 1.0 1 | | | CaptureGamma | 1 | KAPL-1084 | 54 | KAP | Gaerttner. |
| $Ta^{181}$ | $\Gamma^2\sigma(0)$ | 1.0 1 | 2.0 2 | | Absolute | AreaAnalysis | 11 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Ta^{181}$ | $\Gamma^2\sigma(0)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ta^{181}$ | Resonance Energy | 2.4 1 | 2.4 1 | | Absolute | AreaAnalysis | 1 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Ta^{181}$ | Resonance Energy | 2.3 1 | 9.9 1 | | | TimeOfFlight | 14 | NP 9 205 | 58 | HAR | Evans. |
| $Ta^{181}$ | $\sigma(0)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ta^{181}$ | $\sigma(0)$ | 4.3 0 | 4.3 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| $Ta^{181}$ | Spin of Reson | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| $Ta^{181}$ | Spin of Reson | 1.0 1 | 3.9 1 | | | AreaAnalysis | 4 | NP 9 205 | 58 | HAR | Evans. |
| $Ta^{181}$ | Spin of Reson | 2.4 1 | 2.4 1 | | Lead | Crystal Spec | 1 | NP 82 331 | Jul66 | MOL | Poortmans,P.+ |
| $Ta^{181}$ | Spin of Reson | 4.3 0 | 1.0 1 | | | Polar T or B | 2 | PR 155 1330 | Mar67 | NRL | Stolovy,A. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Ta^{181}$ | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| $Ta^{181}$ | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Ta^{181}$ | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Ta^{181}$ | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Ta^{181}$ | Strength Fn(l=1) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| $Ta^{181}$ | Strength Fn(l=2) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| $Ta^{181}$ | Str Fnct Part($\gamma$) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |
| $Ta^{181}$ | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | LEVEL DENS PARAM | | | | | | | | | | |
| $Ta^{181}$ | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 4 1154 | Dec66 | FEI | Salnikov,O.A.+ |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $Ta^{182}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 97 1007 | Feb55 | CAL | Murray. |
| $Ta^{182}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 97 1023 | Feb55 | BNL | Der Mateosian. |
| $Ta^{182}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | IDO-16238 | Sep55 | MTR | Smith. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Ta^{182}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | NSE 33 16 | Jun68 | MTR | Stokes. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Ta^{182}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE | 33 | 16 | Jun68 | MTR | Stokes. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Ta^{182}$ | Γ(γ) | 1.5 -1 | 6.0 0 | | | Shape Analys | 3 | NSE | 33 | 16 | Jun68 | MTR | Stokes. |
| | n-WIDTH | | | | | | | | | | | | |
| $Ta^{182}$ | 2gΓ(n,l=0) | 1.3 1 | 3.3 1 | | | AreaAnalysis | 5 | NSE | 33 | 16 | Jun68 | MTR | Stokes. |
| $Ta^{182}$ | 2gΓ(n,l=0) | 1.5 -1 | 6.0 0 | | | Shape Analys | 3 | NSE | 33 | 16 | Jun68 | MTR | Stokes. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Ta^{182}$ | Resonance Energy | 3.5 1 | 8.8 1 | | | TimeOfFlight | 10 | NSE | 33 | 16 | Jun68 | MTR | Stokes. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| W | Sigma | 2.5 | 4 | 2.2 | 5 | | | Shell Trans | 2 | ZET 34 574 | Mar58 | CCP | Belanova. |
| W | Sigma | 8.3 | 5 | 8.3 | 5 | S | | Shell Trans | 1 | ZET 34 574 | Mar58 | CCP | Belanova. |
| W | Sigma | 8.3 | 5 | 8.3 | 5 | | | Shell Trans | 1 | AE 8 549 | 60 | CCP | Belanova. |
| W | Sigma | 1.7 | 5 | 1.0 | 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| W | Sigma | 1.1 | 3 | 9.7 | 5 | N | Indium | CrystalScint | 13 | SPN- 227 | 61 | CCP | Stavisskii,Yu.Ya.+ |
| W | Sigma | 1.2 | 4 | 1.8 | 5 | | Indium | Scint Tank | 57 | PR 122 182 | Apr61 | ORL | Gibbons. |
| W | Sigma | 2.0 | 2 | 8.0 | 3 | | | TimeOfFlight | 42 | 61SACLAY-203 | Jul61 | ORL | Block. |
| W | Sigma | 1.8 | 4 | 3.0 | 5 | | Silver | CrystalScint* | 8 | AF 23 425 | 63 | FOA | Bergqvist. |
| W | Sigma | 3.0 | 4 | 3.0 | 4 | | | TimeOfFlight | 1 | NP 43 353 | 63 | ORL | Macklin. |
| W | Sigma | 6.9 | -1 | 5.0 | 7 | | | Slowing-Down | 220 | AE 15 120 | Aug63 | CCP | Kapchigashev. |
| W | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| W | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | HADDAD 65J | Oct65 | GA | Haddad. |
| W | Sigma | 3.3 | 4 | 1.7 | 5 | | Indium | TimeOfFlight | 16 | YF 4 282 | Aug66 | OBN | Kononov,V.N.+ |
| W | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Liquid Scint | 1 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J.+ |
| W | Sigma | 1.0 | -2 | 1.0 | 1 | | Au(n,γ) | Scint Tank | 35 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J.+ |
| W | Sigma | 1.3 | 5 | 2.2 | 5 | | $Ta^{181}$ | Liquid Scint | 4 | PR 159 1007 | Jul67 | ORL | Macklin. |
| W | Sigma | 1.2 | 4 | 1.5 | 5 | | Au(n,γ) | Scint Tank | 68 | KFK- 635 | Oct67 | KFK | Poenitz,W.P.+ |
| W | Sigma | 1.0 | 3 | 6.4 | 5 | | | TimeOfFlight* | 92 | 70HELSNK/II-265 | Jun70 | GA | Fricke,M.P.+ |
| W | Spectrum | 2.5 | -2 | 2.5 | -2 | | Absolute | γ-Spectromet | 4 | NC 29 977 | Aug63 | CAS | Giannini,M.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| W | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | TimeOfFlight | 8 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| W | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Carbon | TimeOfFlight | 12 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| W | Ang Distrib | 3.5 | 6 | 8.5 | 6 | | | CrystalScint | 38 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| W | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| W | Sigma | 4.1 | 6 | 4.1 | 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| W | Sigma | 3.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 3 | UPZ 9 929 | 64 | UKR | Korzh. |
| W | Sigma | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 27 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| W | Sigma | 2.0 | 6 | 2.0 | 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| W | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| W | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | Biased Scint | 11 | PR 98 677 | May55 | LAS | Walt,M.+ |
| W | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 15 | NP 2 124 | Oct56 | GRN | Nauta,H. |
| W | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 15 | NAUTA 57F | Jun57 | GRN | Nauta. |
| W | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | | Biased Scint | 13 | PR 109 2105 | Mar58 | WES | Hill. |
| W | Ang Distrib | 3.5 | 5 | 1.3 | 6 | | Carbon | Biased Scint | 115 | BAP 5 409 | Nov60 | ANL | Smith,A.B.+ |
| W | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | 9 | ZET 44 130 | Jan63 | FTI | Dukarevich. |
| W | Ang Distrib | 7.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 3 | PR 129 1649 | Feb63 | LAS | Thomson. |
| W | Ang Distrib | 3.0 | 5 | 8.0 | 5 | | | Threshold C | 24 | UPZ 9 929 | 64 | UKR | Korzh. |
| W | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| W | Ang Distrib | 8.4 | 5 | 1.2 | 6 | | | Biased Scint | 36 | PR 176 1405 | Dec68 | ANL | Kuchnir. |
| W | Ang Distrib | 1.4 | 6 | 2.0 | 6 | | H(n,n) | TimeOfFlight | 24 | NP A125 641 | Mar69 | JAE | Tsukada,K.+ |
| W | Legendre Fit | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 135 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| W | Polarizat n-out | 4.0 | 5 | 1.0 | 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| W | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| W | Sigma | 4.0 | 5 | 1.0 | 6 | | | | 12 | AE 14 400 | 63 | CCP | Glazkov. |
| W | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 22 | TSUKADA 62 | 62 | JAE | Tsukada,K.+ |
| W | Ang Distrib | 7.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 2 | PR 129 1649 | Feb63 | LAS | Thomson. |
| W | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | Count Telesc | 1 | JNE 19 497 | Jul65 | RPI | Pearlstein. |
| W | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 37 | YF 2 826 | Nov65 | FEI | Anufrienko,V.F.+ |
| W | Ang Distrib | 5.0 | 6 | 7.0 | 6 | | H(n,n) | TimeOfFlight* | 3 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| W | Ang Distrib | 6.9 | 5 | 2.2 | 6 | | H(n,n) | TimeOfFlight | 58 | NP A125 641 | Mar69 | JAE | Tsukada,K.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| W | Ang Distrib | 6.0 | 4 | 1.0 | 6 | | Carbon | ModeratrTank | 65 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| W | σ(Coherent) | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| W | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| W | σ(Bound Atom) | 7.3 | -2 | 7.3 | -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| W | Scatt Amplitude | 2.5 | -2 | 7.3 | -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| W | Sigma | 1.4 | 7 | 1.4 | 7 | | $Cf^{252}(Nu)$ | Scint Tank | 1 | 58GENEVA/15- 3 | Sep58 | LRL | Benveniste,J. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| W | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| W | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| W | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| W | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| W | Reson Integral | 3.0 | -1 | 3.0 | -1 | | | | 1 | IDO-16781 2 | May62 | MTR | Fast. |
| W | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | ReactivityCo | 1 | ANS 5 377 | Nov62 | MTR | Scoville. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| W | Sigma | 1.0 | 6 | 1.0 | 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| W | Sigma | 4.1 | 6 | 4.1 | 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| W | Sigma | 4.0 | 6 | 4.5 | 6 | | Absolute | Shell Trans | 2 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| W | Sigma | 1.0 | 6 | 1.0 | 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| W | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| W | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| W | Sigma | 1.0 | 6 | 7.0 | 6 | | Absolute | Shell Trans | 3 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| W | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| W | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| W | Sigma | 3.0 | 5 | 8.0 | 5 | | | Total | 3 | UPZ 9 929 | 64 | UKR | Korzh. |
| W | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Shell Trans | 1 | PR 161 1181 | Sep67 | BOS | Chatterjee,A.+ |
| W | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | σ(Tot-React) | Biased Scint | 10 | AFSWC/TR/60- 30 | Jun60 | TNC | Prud'homme. |
| W | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | TimeOfFlight | 89 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| W | Sigma | 3.5 | 4 | 1.3 | 6 | | Absolute | Accelerator | 17 | PR 77 748 | Mar50 | WIS | Adair. |
| W | Sigma | 4.2 | 7 | 4.2 | 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| W | Sigma | 3.3 | 0 | 1.3 | 1 | | Absolute | TimeOfFlight | 34 | PR 84 869 | Dec51 | ANL | Selove. |
| W | Sigma | 1.0 | 6 | 8.4 | 7 | | Absolute | Accelerator | 15 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | | | |
| W | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| W | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| W | Sigma | 2.7 | 6 | 1.3 | 7 | | Absolute | Ion Chamber | 29 | PR 94 1678 | Jun54 | LAS | Nereson. |
| W | Sigma | 4.1 | 6 | 4.1 | 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| W | Sigma | 1.4 | 2 | 2.9 | 5 | | Absolute | TimeOfFlight | 49 | EGELSTAFF 55F | Jun55 | HAR | Egelstaff. |
| W | Sigma | 8.0 | 2 | 2.4 | 4 | | Absolute | TimeOfFlight | 18 | EGELSTAFF 56F | Jun56 | HAR | Egelstaff. |
| W | Sigma | 7.2 | 6 | 2.6 | 7 | S | Absolute | Biased Scint | 6 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| W | Sigma | 7.0 | 6 | 1.4 | 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| W | Sigma | 2.0 | -3 | 2.9 | -1 | | Absolute | TimeOfFlight | 93 | NSE 7 193 | Feb60 | MTR | Randolf,P.D.+ |
| W | Sigma | 1.7 | 7 | 2.9 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| W | Sigma | 8.1 | 5 | 1.5 | 6 | | Absolute | Accelerator | 70 | SMITH 64K | Nov64 | ANL | Smith. |
| W | Sigma | 3.0 | 4 | 6.5 | 5 | | | Accelerator | 101 | SETH 65J | Oct65 | DKE | Seth. |
| W | Sigma | 4.1 | 5 | 6.5 | 5 | | Absolute | | 118 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| W | Sigma | 1.0 | 5 | 4.1 | 5 | | Absolute | Accelerator | 152 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| W | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 246 | FOSTER 67E | May67 | BNW | Foster. |
| W | Sigma | 5.4 | 6 | 6.3 | 6 | | Absolute | Transmission* | 24 | CHP 5 43 | Oct67 | THU | Kao,W.H.+ |
| W | Sigma | 2.7 | 10 | 2.7 | 10 | | | | 1 | PL B 27 328 | Aug68 | MHG | Jones. |
| W | Sigma | 5.7 | 9 | 5.7 | 9 | | Absolute | Transmission* | 1 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.F.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| W | Γ | 7.6 | 0 | 7.6 | 0 | | | TimeOfFlight | 1 | CR 255 1913 | Oct62 | SAC | Le Pipec,C.+ |
| W | $\Gamma^2\sigma(0)$ | 4.0 | 0 | 1.8 | 2 | | | AreaAnalysis | 5 | PR 71 165 | Feb47 | COL | Havens,J.R.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| W | Resonance Energy | 7.5 | 1 | 5.9 | 3 | | | TimeOfFlight | 59 | CR 249 413 | 59 | SAC | Corge,C.+ |
| W | Resonance Energy | 1.0 | 2 | 1.9 | 2 | | | TimeOfFlight | 7 | NP 12 552 | 59 | HAR | Firk,F.W.K.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| W | Strength Fn(l=0) | 3.0 | 4 | 3.0 | 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| W | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| W | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| W | Strength Fn(l=1) | 1.5 | 5 | 1.5 | 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| W | Strength Fn(l=2) | 1.5 | 5 | 1.5 | 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| W | Str Fnct Part(γ) | 1.5 | 5 | 1.5 | 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| W | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| W176 | Strength Fn(l=2) | 9.0 | 4 | 9.0 | 4 | | | | 1 | YF 5 129 | Jan67 | CCP | Kononov. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| W180 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| W180 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | n-WIDTH | | | | | | | | | | | | |
| W180 | Γ(n) | 1.6 | 1 | 8.7 | 1 | | | AreaAnalysis | 5 | ORNL-3924 | 65 | ORL | Jung. |
| W180 | Γ(n,l=0) | 1.6 | 1 | 8.7 | 1 | | | AreaAnalysis | 5 | ORNL-3924 | 65 | ORL | Jung. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| W180 | Resonance Energy | 1.6 | 1 | 1.6 | 1 | | | CaptureGamma | 1 | PR 132 1640 | Nov63 | ANL | Bollinger,L.M.+ |
| W180 | Resonance Energy | 1.6 | 1 | 7.5 | 1 | | | CaptureGamma | 2 | WASH-1046 104 | Jan64 | RPI | Russel. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| W182 | Sigma | 2.3 | 3 | 5.0 | 4 | | | | 16 | KAPCHIGASHEV 64 | 64 | CCP | Kapchigashev. |
| W182 | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | HADDAD 65J | Oct65 | GA | Haddad. |
| W182 | Sigma | 3.3 | 4 | 1.7 | 5 | | Indium | TimeOfFlight | 15 | YF 4 282 | Aug66 | OBN | Kononov,V.N.+ |
| W182 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Liquid Scint | 1 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J.+ |
| W182 | Sigma | 1.0 | -2 | 1.0 | 1 | | Au(n,γ) | Scint Tank | 34 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| W182 | Sigma | 3.3 | 5 | 1.4 | 6 | | Carbon | TimeOfFlight | 55 | PR 162 1077 | Oct67 | ANL | Smith. |
| W182 | Legendre Fit | 3.3 | 5 | 1.4 | 6 | | Carbon | TimeOfFlight | 275 | PR 162 1077 | Oct67 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | | | |
| W182 | Sigma | 6.5 | 2 | 1.5 | 6 | | Carbon | TimeOfFlight | 81 | PR 162 1077 | Oct67 | ANL | Smith. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| W182 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | YF 4 515 | Sep66 | CCP | Druzhinin,A.A.+ |
| W182 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| W182 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| W182 | Sigma | 3.3 | 0 | 5.2 | 5 | | Absolute | TimeOfFlight | 82 | PR 84 869 | Dec51 | ANL | Selove. |
| W182 | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | | 266 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| W182 | Sigma | 7.0 | 5 | 1.5 | 7 | | Absolute | TimeOfFlight | 547 | BAP 12 106 | Feb67 | RPI | Yergin. |
| W182 | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 252 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | | | |
| W182 | Γ(γ) | 4.1 | 0 | 2.1 | 1 | | | TimeOfFlight | 2 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W182 | Γ(γ) | 4.1 | 0 | 4.1 | 0 | | | Crystal Spec | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| W182 | Γ(γ) | 1.1 | 2 | 1.1 | 2 | | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Firk,F.W.K.+ |
| W182 | Γ(γ) | 4.1 | 0 | 1.1 | 2 | | | TimeOfFlight | 3 | NP 12 563 | 59 | HAR | Waters,J.R.+ |
| W182 | Γ(γ) | 2.1 | 1 | 2.1 | 1 | | | CaptureGamma | 1 | EPI/PR- 63 | 63 | RPI | Russel. |
| W182 | Γ(γ) | 4.2 | 0 | 2.1 | 1 | | | AreaAnalysis | 2 | ORNL-3584 58 | 64 | ORL | Paya. |
| W182 | Γ(γ) | 2.1 | 1 | 2.1 | 1 | | | Shape Analys | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W182 | Γ(γ) | 1.1 | 2 | 1.2 | 3 | | | AreaAnalysis | 12 | ORNL-3924 31 | 65 | RPI | Block. |
| W182 | $\Gamma(\gamma)\sigma(0)$ | 4.1 | 0 | 2.1 | 1 | | | CaptureGamma | 2 | RPI/PR- 63 | 63 | RPI | Russel. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | | |
| W182 | Γ(n) | 4.1 | 0 | 2.5 | 2 | | | TimeOfFlight | 5 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W182 | Γ(n) | 1.1 | 2 | 1.1 | 2 | | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Pirk,P.W.K.+ |
| W182 | Γ(n) | 4.1 | 0 | 1.1 | 2 | | | TimeOfFlight | 3 | NP 12 563 | 59 | HAR | Waters,J.R.+ |
| W182 | Γ(n) | 4.1 | 0 | 4.1 | 0 | | | CaptureGamma | 1 | RPI/PR- 63 | 63 | RPI | Russel. |
| W182 | Γ(n) | 4.2 | 0 | 2.1 | 1 | | | AreaAnalysis | 2 | ORNL-3584 58 | 64 | ORL | Paya. |
| W182 | Γ(n) | 4.2 | 0 | 2.1 | 1 | | | Shape Analys | 3 | ORNL-3584 58 | 64 | ORL | Paya. |
| W182 | Γ(n) | 9.8 | 1 | 1.2 | 3 | | | AreaAnalysis | 24 | ORNL-3924 31 | 65 | RPI | Block. |
| W182 | Γ(n) | 4.1 | 0 | 4.1 | 0 | | | Shape Analys | 1 | EANDC/J- 7 8 | Jan67 | JAE | Ideno,K.+ |
| W182 | Γ(n,l=0) | 9.8 | 1 | 1.2 | 3 | | | AreaAnalysis | 24 | ORNL-3924 31 | 65 | RPI | Block. |
| W182 | Γ(n,l=0) | -3.1 | 1 | -3.1 | 1 | | | Shape Analys | 1 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| W182 | Γ | 1.1 | -2 | 1.1 | 2 | | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Pirk,P.W.K.+ |
| W182 | Γ | 4.2 | 0 | 2.1 | 1 | | | AreaAnalysis | 2 | ORNL-3584 58 | 64 | ORL | Paya. |
| W182 | Γ | 4.2 | 0 | 2.1 | 1 | | | Shape Analys | 2 | ORNL-3584 58 | 64 | ORL | Paya. |
| W182 | Γ | 4.1 | 0 | 4.1 | 0 | | | Shape Analys | 1 | EANDC/J- 7 8 | Jan67 | JAE | Ideno,K.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| W182 | Resonance Energy | 4.1 | 0 | 1.2 | 2 | | | TimeOfFlight | 5 | PR 84 869 | Dec51 | ANL | Selove. |
| W182 | Resonance Energy | 3.4 | 2 | 3.8 | 2 | | | TimeOfFlight | 2 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W182 | Resonance Energy | 4.1 | 0 | 4.1 | 0 | | | CaptureGamma | 1 | PR 110 1472 | Jun58 | BNL | Fox,J.D.+ |
| W182 | Resonance Energy | 2.1 | 1 | 2.1 | 1 | | | TimeOfFlight | 1 | CR 248 2330 | 59 | SAC | Huynh,V.-H.+ |
| W182 | Resonance Energy | 9.8 | 1 | 4.0 | 3 | | | CaptureGamma | 64 | ORNL-3778 53 | 64 | RPI | |
| W182 | Resonance Energy | 9.8 | 1 | 1.3 | 4 | | | CaptureGamma | 62 | RPI/PR- 64 | 64 | RPI | |
| W182 | Resonance Energy | 4.1 | 0 | 4.1 | 0 | | | Shape Analys | 1 | EANDC/J- 7 8 | Jan67 | JAE | Ideno,K.+ |
| W182 | σ(0) | 1.1 | 2 | 1.1 | 2 | | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Pirk,P.W.K.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| W182 | Strength Fn(l=0) | 5.8 | 2 | 5.8 | 2 | | | AreaAnalysis | 1 | ORNL-3924 31 | 65 | RPI | Block. |
| W182 | Level Spacing | 5.8 | 2 | 5.8 | 2 | | | AreaAnalysis | 1 | ORNL-3924 31 | 65 | RPI | Block. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| W183 | Sigma | 5.0 | 3 | 5.0 | 4 | | | | 6 | KAPCHIGASHEV 64 | 64 | CCP | Kapchigashev. |
| W183 | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | HADDAD 65J | Oct65 | GA | Haddad. |
| W183 | Sigma | 3.3 | 4 | 1.3 | 5 | | | TimeOfFlight | 5 | YF 4 282 | Aug66 | OBN | Kononov,V.N.+ |
| W183 | Sigma | 8.0 | 5 | 8.0 | 5 | C | | | 1 | YF 4 515 | Sep66 | CCP | Druzhinin,A.A.+ |
| W183 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Liquid Scint | 1 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J.+ |
| W183 | Sigma | 1.0 | -2 | 1.0 | 1 | | Au(n,γ) | Scint Tank | 32 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| W183 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| W183 | Sigma | 2.4 | 4 | 8.3 | 5 | | | | 3 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| W183 | Sigma | 3.3 | 0 | 2.3 | 5 | | Absolute | TimeOfFlight | 81 | PR 84 869 | Dec51 | ANL | Selove. |
| | γ-WIDTH | | | | | | | | | | | | |
| W183 | Γ(γ) | 7.6 | 0 | 2.7 | 1 | | | TimeOfFlight | 2 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W183 | Γ(γ) | 4.1 | 0 | 4.1 | 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| W183 | Γ(γ) | 2.7 | 1 | 1.7 | 2 | | | TimeOfFlight | 16 | NP 12 552 | 59 | HAR | Pirk,P.W.K.+ |
| W183 | Γ(γ) | 7.6 | 0 | 1.0 | 2 | | | TimeOfFlight | 5 | NP 12 563 | 59 | HAR | Waters,J.R.+ |
| W183 | Γ(γ) | 7.6 | 0 | 2.7 | 7 | | | AreaAnalysis | 2 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| W183 | Γ(γ) | 2.7 | 1 | 1.0 | 2 | | | CaptureGamma | 4 | RPI/PR- 63 | 63 | RPI | Russel. |
| W183 | Γ(γ) | 7.7 | 0 | 2.7 | 1 | | | AreaAnalysis | 2 | ORNL-3584 58 | 64 | ORL | Paya. |
| W183 | Γ(γ) | 7.7 | 0 | 7.7 | 0 | | | Shape Analys | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W183 | Γ(γ) | 1.0 | 2 | 3.8 | 2 | | | AreaAnalysis | 13 | ORNL-3924 31 | 65 | RPI | Block. |
| W183 | Γ(γ)σ(0) | 7.6 | 0 | 1.0 | 2 | | | CaptureGamma | 7 | RPI/PR- 63 | 63 | RPI | Russel. |
| | n-WIDTH | | | | | | | | | | | | |
| W183 | Γ(n) | 4.1 | 0 | 4.1 | 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| W183 | Γ(n) | 2.7 | 1 | 1.7 | 2 | | | TimeOfFlight | 18 | NP 12 552 | 59 | HAR | Pirk,P.W.K.+ |
| W183 | Γ(n) | 7.6 | 0 | 1.0 | 2 | | | TimeOfFlight | 5 | NP 12 563 | 59 | HAR | Waters,J.R.+ |
| W183 | Γ(n) | 2.7 | 1 | 2.7 | 1 | | | AreaAnalysis | 1 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| W183 | Γ(n) | 1.4 | 2 | 1.4 | 2 | | | TimeOfFlight | 2 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| W183 | Γ(n) | 7.7 | 0 | 7.7 | 0 | | | AreaAnalysis | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W183 | Γ(n) | 7.7 | 0 | 7.7 | 0 | | | Shape Analys | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W183 | Γ(n) | 1.0 | 2 | 3.9 | 2 | | | AreaAnalysis | 36 | ORNL-3924 31 | 65 | RPI | Block. |
| W183 | Γ(n) | 7.6 | 0 | 7.6 | 0 | | | Shape Analys | 1 | EANDC/J- 7 8 | Jan67 | JAE | Ideno,K.+ |
| W183 | 2gΓ(n) | 7.6 | 0 | 1.8 | 2 | | | TimeOfFlight | 10 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W183 | 2gΓ(n) | 7.6 | 0 | 7.6 | 0 | | | AreaAnalysis | 1 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| W183 | 2gΓ(n) | 7.6 | 0 | 6.5 | 1 | | | CaptureGamma | 4 | RPI/PR- 63 | 63 | RPI | Russel. |
| W183 | Γ(n,l=0) | 1.4 | 2 | 1.4 | 2 | | | TimeOfFlight | 2 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| W183 | Γ(n,l=0) | 1.0 | 2 | 1.0 | 2 | | | AreaAnalysis | 1 | ORNL-3924 31 | 65 | RPI | Block. |
| W183 | Γ(n,l=2) | 7.1 | 0 | 7.1 | 0 | | | AreaAnalysis | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| W183 | Γ | 4.1 | 0 | 4.1 | 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| W183 | Γ | 2.7 | 1 | 1.7 | 2 | | | TimeOfFlight | 9 | NP 12 552 | 59 | HAR | Pirk,P.W.K.+ |
| W183 | Γ | 7.6 | 0 | 2.7 | 1 | | | AreaAnalysis | 2 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| W183 | Γ | 7.6 | 0 | 7.6 | 0 | | Metast/Grnd | Shape Analys | 1 | CR 255 1913 | Oct62 | SAC | Le Pipec,C.+ |
| W183 | Γ | 7.7 | 0 | 2.7 | 1 | | | AreaAnalysis | 2 | ORNL-3584 58 | 64 | ORL | Paya. |
| W183 | Γ | 7.7 | 0 | 7.7 | 0 | | | Shape Analys | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W183 | Γ | 7.6 | 0 | 7.6 | 0 | | | Shape Analys | 1 | EANDC/J- 7 8 | Jan67 | JAE | Ideno,K.+ |
| W183 | Γσ(0) | 4.1 | 0 | 4.1 | 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| W183 | Resonance Energy | 7.8 | 0 | 4.9 | 1 | | | TimeOfFlight | 3 | PR 84 869 | Dec51 | ANL | Selove. |
| W183 | Resonance Energy | 4.8 | 1 | 3.5 | 2 | | | TimeOfFlight | 3 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W183 | Resonance Energy | 1.0 | 2 | 1.0 | 2 | | | TimeOfFlight | 2 | CR 249 413 | 59 | SAC | Corge,C.+ |
| W183 | Resonance Energy | 4.1 | 1 | 2.7 | 3 | | | CaptureGamma | 114 | ORNL-3778 53 | 64 | RPI | |
| W183 | Resonance Energy | 1.0 | 2 | 2.7 | 3 | | | CaptureGamma | 110 | RPI/PR- 64 | 64 | RPI | |
| W183 | Resonance Energy | 7.6 | 0 | 7.6 | 0 | | | Shape Analys | 1 | EANDC/J- 7 8 | Jan67 | JAE | Ideno,K.+ |
| W183 | Resonance Energy | 2.7 | 1 | 1.0 | 2 | | | * | 5 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| W183 | σ(0) | 4.1 | 0 | 4.1 | 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| W183 | σ(0) | 2.7 | 1 | 1.7 | 2 | | | TimeOfFlight | 9 | NP 12 552 | 59 | HAR | Pirk,P.W.K.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM (CONTINUED) | | | | | | | | | | | | |
| W183 | σ(0) | 2.7 | 1 | 1.6 | 2 | | | TimeOfFlight | 9 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| W183 | Spin of Reson | 2.7 | 1 | 4.6 | 1 | | | TimeOfFlight | 2 | BAP 3 19 | Jan58 | BNL | Chrien,R.E.+ |
| W183 | Spin of Reson | 2.7 | 1 | 1.0 | 2 | | | TimeOfFlight | 4 | BAP 3 176 | May58 | MTR | Fluharty,R.G.+ |
| W183 | Spin of Reson | 2.7 | 1 | 1.0 | 2 | | | TimeOfFlight | 5 | BAP 3 177 | May58 | ORL | Slaughter,G.G.+ |
| W183 | Spin of Reson | 7.6 | 0 | 2.7 | 1 | | | CaptureGamma | 2 | PR 110 1472 | Jun58 | BNL | Fox,J.D.+ |
| W183 | Spin of Reson | 7.6 | 0 | 6.5 | 1 | | | TimeOfFlight | 5 | 58GENEVA/14-294 | Sep58 | HAR | Hendrie. |
| W183 | Spin of Reson | 7.6 | 0 | 6.6 | 1 | | | TimeOfFlight | 6 | CR 248 2330 | 59 | SAC | Huynh,V.-H.+ |
| W183 | Spin of Reson | 6.6 | 1 | 1.5 | 3 | | | TimeOfFlight | 20 | CR 249 413 | 59 | SAC | Corge,C.+ |
| W183 | Spin of Reson | 2.7 | 1 | 1.7 | 2 | | | TimeOfFlight | 6 | NP 12 552 | 59 | HAR | Firk,F.W.K.+ |
| W183 | Spin of Reson | 7.6 | 0 | 1.0 | 2 | | | TimeOfFlight | 5 | NP 12 563 | 59 | HAR | Waters,J.R.+ |
| W183 | Spin of Reson | 7.6 | 0 | 6.6 | 1 | | | TimeOfFlight | 5 | PRL 2 505 | May59 | BNL | Fox,J.D.+ |
| W183 | Spin of Reson | 7.6 | 0 | 2.7 | 1 | | | CaptureGamma | 2 | ZET 45 875 | 63 | CCP | Ignatiev. |
| W183 | Spin of Reson | 7.6 | 0 | 6.5 | 1 | | | CaptureGamma | 5 | PR 132 1640 | Nov63 | ANL | Bollinger,L.M.+ |
| W183 | Spin of Reson | 1.0 | 2 | 3.8 | 2 | | | AreaAnalysis | 13 | ORNL-3924 31 | 65 | RPI | Block. |
| W183 | Spin of Reson | 7.0 | 0 | 1.0 | 2 | | | CaptureGamma | 5 | BAP 12 105 | Feb67 | BNL | Chrien. |
| W183 | Spin of Reson | 2.7 | 1 | 1.0 | 2 | | | * | 5 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| W183 | Strength Fn(l=0) | 2.0 | 2 | 2.0 | 2 | | | AreaAnalysis | 2 | NP 12 552 | 59 | HAR | Firk,F.W.K.+ |
| W183 | Strength Fn(l=0) | 1.6 | 2 | 1.6 | 2 | | | | 1 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| W183 | Strength Fn(l=0) | 2.0 | 2 | 2.0 | 2 | | | AreaAnalysis | 1 | ORNL-3924 31 | 65 | RPI | Block. |
| W183 | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| W183 | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| W184 | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| W184 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| W184 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | BAP 8 71 | 63 | UCB | Kramer. |
| W184 | Sigma | 1.5 | 3 | 3.5 | 4 | | | | 19 | KAPCHIGASHEV 64 | 64 | CCP | Kapchigashev. |
| W184 | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | HADDAD 65J | Oct65 | GA | Haddad. |
| W184 | Sigma | 3.3 | 4 | 1.7 | 5 | | Indium | TimeOfFlight | 15 | YF 4 282 | Aug66 | OBN | Kononov,V.N.+ |
| W184 | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | YF 4 515 | Sep66 | CCP | Druzhinin,A.A.+ |
| W184 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Liquid Scint | 1 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J.+ |
| W184 | Sigma | 1.0 | -2 | 2.4 | 0 | | Au(n,γ) | Scint Tank | 28 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J.+ |
| W184 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | AreaAnalysis | 1 | BAP 6 417 | Nov61 | ORL | Cote. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| W184 | Sigma | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 25 | ZP 175 242 | Sep63 | ANL | Smith. |
| W184 | Sigma | 3.3 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 59 | PR 162 1077 | Oct67 | ANL | Smith. |
| W184 | Legendre Fit | 3.0 | 5 | 3.0 | 5 | | Carbon | TimeOfFlight | 3 | ZP 175 242 | Sep63 | ANL | Smith. |
| W184 | Legendre Fit | 3.0 | 5 | 1.5 | 6 | S | Carbon | TimeOfFlight | 125 | ZP 175 242 | Sep63 | ANL | Smith. |
| W184 | Legendre Fit | 3.3 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 295 | PR 162 1077 | Oct67 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | | | |
| W184 | Sigma | 3.4 | 5 | 1.6 | 6 | | Carbon | TimeOfFlight | 159 | PR 162 1077 | Oct67 | ANL | Smith. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| W184 | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 1 | NP 88 349 | Nov66 | MUA | Rama Prasad,P.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| W184 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| W184 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.60A | Jan60 | ARK | Poularikas. |
| W184 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}(n,2n)$ | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| | (n,np)+(n,d) REACT | | | | | | | | | | | | |
| W184 | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | 63BOMBAY-240 | Feb63 | SAH | Ganguly. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| W184 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| W184 | Sigma | 2.7 | 1 | 1.6 | 2 | | Absolute | TimeOfFlight | 8 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| W184 | Reson Integral | 3.0 | -1 | 3.0 | -1 | | | | 1 | IDO-16781 2 | May62 | MTR | Fast. |
| W184 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | ReactivityCo | 1 | ANS 5 377 | Nov62 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| W184 | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | | 268 | ANL-7210 16 | Jun66 | ANL | Whalen,J.P.+ |
| W184 | Sigma | 7.0 | 5 | 1.5 | 7 | | Absolute | TimeOfFlight | 558 | BAP 12 106 | Feb67 | RPI | Yergin. |
| W184 | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 246 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | | | |
| W184 | Γ(γ) | 1.8 | 2 | 1.8 | 2 | | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Firk,F.W.K.+ |
| W184 | Γ(γ) | 2.7 | 1 | 1.6 | 2 | | Absolute | TimeOfFlight | 8 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| W184 | Γ(γ) | 1.8 | 2 | 1.9 | 3 | | | AreaAnalysis | 16 | ORNL-3924 31 | 65 | RPI | Block. |
| W184 | Γ(γ) Partial γ | 7.6 | 0 | 6.6 | 1 | | Arb Units | TimeOfFlight | 5 | PRL 2 505 | May59 | BNL | Fox,J.D.+ |
| | n-WIDTH | | | | | | | | | | | | |
| W184 | Γ(n) | 1.9 | 2 | 1.9 | 2 | | | TimeOfFlight | 1 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W184 | Γ(n) | 1.8 | 2 | 1.8 | 2 | | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Firk,F.W.K.+ |
| W184 | Γ(n) | 2.7 | 1 | 1.6 | 2 | | Absolute | TimeOfFlight | 8 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| W184 | Γ(n) | 1.8 | 2 | 1.3 | 3 | S | | AreaAnalysis | 9 | ORNL-3258 52 | Jun62 | ORL | Khan. |
| W184 | Γ(n) | 1.0 | 2 | 1.9 | 3 | | | AreaAnalysis | 24 | ORNL-3924 31 | 65 | RPI | Block. |
| W184 | Γ(n,l=0) | 2.7 | 1 | 1.6 | 2 | | Absolute | TimeOfFlight | 8 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| W184 | Γ(n,l=0) | 1.8 | 2 | 1.3 | 3 | S | | AreaAnalysis | 9 | ORNL-3258 52 | Jun62 | ORL | Khan. |
| W184 | Γ(n,l=0) | 1.0 | 2 | 1.9 | 3 | | | AreaAnalysis | 24 | ORNL-3924 31 | 65 | RPI | Block. |
| W184 | Γ(n,l=0) | -1.1 | 2 | -1.1 | 2 | | | Shape Analys | 1 | NSE 26 487 | Dec66 | GA | Friesenhahn,S.J. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| W184 | Γ | 1.8 | 2 | 1.8 | 2 | | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Firk,F.W.K.+ |
| W184 | Γ | 2.7 | 1 | 1.6 | 2 | | Absolute | TimeOfFlight | 8 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| W184 | Resonance Energy | 1.0 | 2 | 2.0 | 2 | | | TimeOfFlight | 2 | PR 84 869 | Dec51 | ANL | Selove. |
| W184 | Resonance Energy | 3.2 | 2 | 3.2 | 2 | | | TimeOfFlight | 1 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W184 | Resonance Energy | 1.0 | 2 | 4.0 | 3 | | | CaptureGamma | 47 | ORNL-3778 53 | 64 | RPI | |
| W184 | Resonance Energy | 1.0 | 2 | 4.0 | 3 | | | CaptureGamma | 46 | RPI/PR- 64 | 64 | RPI | |
| W184 | σ(0) | 1.8 | 2 | 1.8 | 2 | | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Firk,F.W.K.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM (CONTINUED) | | | | | | | | | | | | |
| W184 | Spin of Reson | 2.7 | 1 | 1.6 | 2 | | Absolute | TimeOfFlight | 8 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| W184 | Strength Fn(l=0) | 7.3 | 2 | 7.3 | 2 | S | | TimeOfFlight | 1 | ORNL-3268 52 | Jun62 | ORL | Khan. |
| W184 | Strength Fn(l=0) | 9.6 | 2 | 9.6 | 2 | | | AreaAnalysis | 1 | ORNL-3924 31 | 65 | RPI | Block. |
| W184 | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| W184 | Strength Fn(l=2) | 9.0 | 4 | 9.0 | 4 | | | | 1 | YF 5 129 | Jan67 | CCP | Kononov. |
| W184 | Level Spacing | 9.6 | 2 | 9.6 | 2 | | | AreaAnalysis | 1 | ORNL-3924 31 | 65 | RPI | Block. |
| W184 | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| W186 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| W186 | Sigma | 2.4 | 4 | 2.4 | 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| W186 | Sigma | 2.5 | 6 | 4.0 | 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| W186 | Sigma | 2.5 | 6 | 4.0 | 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| W186 | Sigma | 2.0 | 5 | 4.0 | 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| W186 | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| W186 | Sigma | 2.0 | 4 | 2.0 | 4 | N | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| W186 | Sigma | 2.1 | 4 | 2.1 | 4 | | $I^{127}$ | Activation | 1 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| W186 | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| W186 | Sigma | 1.5 | 5 | 2.5 | 6 | | $U^{235}$(n,f) | Activation | 22 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| W186 | Sigma | 1.5 | 5 | 2.5 | 6 | N | $U^{235}$(n,f) | Activation | 22 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| W186 | Sigma | 3.0 | 4 | 6.0 | 6 | | $U^{235}$(n,f) | Activation | 16 | AE 9 401 | Nov60 | CCP | Stavisskii. |
| W186 | Sigma | 3.0 | 4 | 6.0 | 6 | N | $U^{235}$(n,f) | Activation | 16 | AE 9 401 | Nov60 | CCP | Stavisskii. |
| W186 | Sigma | 6.9 | 4 | 4.0 | 6 | | | Activation | 19 | PR 128 2717 | Dec62 | LRL | Miskel. |
| W186 | Sigma | 3.2 | 4 | 2.5 | 5 | | $U^{235}$(n,f) | Activation | 7 | PR 128 2717 | Dec62 | LRL | Miskel. |
| W186 | Sigma | 3.2 | 4 | 2.5 | 5 | N | $U^{235}$(n,f) | Activation | 7 | PR 128 2717 | Dec62 | LRL | Miskel. |
| W186 | Sigma | 1.0 | 1 | 5.2 | 4 | | | | 69 | KAPCHIGASHEV 64 | 64 | CCP | Kapchigashev. |
| W186 | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | HADDAD 65J | Oct65 | GA | Haddad. |
| W186 | Sigma | 4.6 | 4 | 1.7 | 5 | | Indium | TimeOfFlight | 14 | YF 4 282 | Aug66 | OBN | Kononov,V.N.+ |
| W186 | Sigma | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation | 1 | YF 4 515 | Sep66 | CCP | Druzhinin,A.A.+ |
| W186 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Liquid Scint | 1 | NSE 26 487 | Dec66 | GA | Priesenhahn,S.J.+ |
| W186 | Sigma | 1.0 | -2 | 1.0 | 1 | | Au(n,γ) | Scint Tank | 34 | NSE 26 487 | Dec66 | GA | Priesenhahn,S.J.+ |
| W186 | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| W186 | Sigma | 2.3 | 5 | 3.1 | 6 | | $U^{235}$(n,f) | Activation | 17 | AE 25 526 | Dec68 | UKR | Zaikin. |
| W186 | Sigma | 3.0 | 6 | 3.0 | 6 | | Au(n,γ) | Activation * | 1 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| W186 | Reson Integral | 6.2 | -1 | 6.2 | -1 | | Au(n,γ) | Activation | 1 | DP- 817 | Jan63 | SRL | Baumann. |
| W186 | Reson Integral | 7.8 | -1 | 7.8 | -1 | | Au(n,γ) | Activation | 1 | NAA/SR-12500 | Oct67 | AI | Beller. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| W186 | Sigma | 3.2 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 59 | PR 162 1077 | Oct67 | ANL | Smith. |
| W186 | Legendre Fit | 3.2 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 295 | PR 162 1077 | Oct67 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | | | |
| W186 | Sigma | 7.5 | 5 | 7.5 | 5 | | Carbon | TimeOfFlight | 1 | ANL-7288 | Jan67 | ANL | Smith,A.B. |
| W186 | Sigma | 3.5 | 5 | 9.5 | 8 | | Carbon | TimeOfFlight | 158 | PR 162 1077 | Oct67 | ANL | Smith. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.60A | Jan60 | ARK | Poularikas. |
| W186 | Sigma | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation | 1 | YF 4 515 | Sep66 | CCP | Druzhinin,A.A.+ |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | YF 4 515 | Sep66 | CCP | Druzhinin,A.A.+ |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 1 | NP 88 349 | Nov66 | MUA | Rama Prasad,P.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| W186 | Sigma | 1.4 | 7 | 2.1 | 7 | | Al(n,alpha) | Activation | 5 | PPS 74 632 | 59 | ALD | Barry,J.P.+ |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.60A | Jan60 | ARK | Poularikas. |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| | (n,np) REACTION | | | | | | | | | | | | |
| W186 | Sigma | 1.4 | 7 | 2.1 | 7 | | Al(n,alpha) | Activation | 6 | PPS 74 632 | 59 | ALD | Barry,J.P.+ |
| | (n,np)+(n,d) REACT | | | | | | | | | | | | |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.60A | Jan60 | ARK | Poularikas. |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | AnothA SameZ | Activation | 1 | 63BOMBAY-240 | Feb63 | SAH | Ganguly. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.60A | Jan60 | ARK | Poularikas. |
| W186 | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | 63BOMBAY-244 | Feb63 | SAH | Mukherjee. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| W186 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| W186 | Reson Integral | 3.0 | -1 | 3.0 | -1 | | | | 1 | IDO-16781 2 | May62 | MTR | Past. |
| W186 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | ReactivityCo | 1 | ANS 5 377 | Nov62 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| W186 | Sigma | 3.3 | 0 | 5.2 | 5 | | Absolute | TimeOfFlight | 80 | PR 84 869 | Dec51 | ANL | Selove. |
| W186 | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | | 272 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| W186 | Sigma | 7.0 | 5 | 1.5 | 7 | | Absolute | TimeOfFlight | 547 | BAP 12 106 | Feb67 | RPI | Yergin. |
| W186 | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 250 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | | | |
| W186 | Γ(γ) | 1.9 | 1 | 1.9 | 1 | | | TimeOfFlight | 1 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W186 | Γ(γ) | 1.7 | 2 | 1.7 | 2 | | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Firk,F.W.K.+ |
| W186 | Γ(γ) | 1.9 | 1 | 1.9 | 1 | | | TimeOfFlight | 1 | NP 12 563 | 59 | HAR | Waters,J.R.+ |
| W186 | Γ(γ) | 1.9 | 1 | 1.9 | 1 | | | CaptureGamma | 1 | RPI/PR- 63 | 63 | RPI | Russel. |
| W186 | Γ(γ) | 1.9 | 1 | 1.9 | 1 | | | AreaAnalysis | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W186 | Γ(γ) | 1.9 | 1 | 1.9 | 1 | | | Shape Analys | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W186 | Γ(γ) | 1.9 | 1 | 2.1 | 3 | | | AreaAnalysis | 18 | ORNL-3924 31 | 65 | RPI | Block. |
| W186 | Γ(γ)σ(0) | 1.9 | 1 | 1.9 | 1 | | | CaptureGamma | 1 | RPI/PR- 63 | 63 | RPI | Russel. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | |
| W186 | Γ(n) | 1.9 | 1 | 1.9 | 1 | | TimeOfFlight | 1 | PR 84 869 | Dec51 | ANL | Selove. |
| W186 | Γ(n) | 1.9 | 1 | 2.2 | 2 | | TimeOfFlight | 3 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W186 | Γ(n) | 1.7 | 2 | 1.7 | 2 | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Pirk,F.W.K.+ |
| W186 | Γ(n) | 1.9 | 1 | 1.9 | 1 | | TimeOfFlight | 1 | NP 12 563 | 59 | HAR | Waters,J.R.+ |
| W186 | Γ(n) | 1.9 | 1 | 1.9 | 1 | | AreaAnalysis | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W186 | Γ(n) | 1.9 | 1 | 1.9 | 1 | | Shape Analys | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W186 | Γ(n) | 1.1 | 2 | 2.1 | 3 | | AreaAnalysis | 26 | ORNL-3924 31 | 65 | RPI | Block. |
| W186 | Γ(n,l=0) | 1.1 | 2 | 2.1 | 3 | | AreaAnalysis | 25 | ORNL-3924 31 | 65 | RPI | Block. |
| | TOTAL WIDTH | | | | | | | | | | | |
| W186 | Γ | 1.7 | 2 | 1.7 | 2 | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Pirk,F.W.K.+ |
| W186 | Γ | 1.9 | 1 | 1.9 | 1 | | AreaAnalysis | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W186 | Γ | 1.9 | 1 | 1.9 | 1 | | Shape Analys | 1 | ORNL-3584 58 | 64 | ORL | Paya. |
| W186 | $\Gamma^2\sigma(0)$ | 1.9 | 1 | 1.9 | 1 | | TimeOfFlight | 1 | PR 84 869 | Dec51 | ANL | Selove. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| W186 | Resonance Energy | 2.2 | 2 | 2.2 | 2 | | TimeOfFlight | 1 | PR 84 869 | Dec51 | ANL | Selove. |
| W186 | Resonance Energy | 2.9 | 2 | 4.1 | 2 | | TimeOfFlight | 2 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| W186 | Resonance Energy | 1.9 | 1 | 1.9 | 1 | | TimeOfFlight | 1 | CR 248 2330 | 59 | SAC | Huynh,V.-H.+ |
| W186 | Resonance Energy | 1.1 | 2 | 4.0 | 3 | | CaptureGamma | 44 | ORNL-3778 53 | 64 | RPI | |
| W186 | Resonance Energy | 1.1 | 2 | 4.0 | 3 | | CaptureGamma | 42 | RPI/PR- 64 | 64 | RPI | |
| W186 | $\sigma(0)$ | 1.7 | 2 | 1.7 | 2 | | TimeOfFlight | 1 | NP 12 552 | 59 | HAR | Pirk,F.W.K.+ |
| | AVERAGED PARAM | | | | | | | | | | | |
| W186 | Strength Fn(l=0) | 1.1 | 3 | 1.1 | 3 | | AreaAnalysis | 1 | ORNL-3924 31 | 65 | RPI | Block. |
| W186 | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| W186 | Level Spacing | 1.1 | 3 | 1.1 | 3 | | AreaAnalysis | 1 | ORNL-3924 31 | 65 | RPI | Block. |
| W186 | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Re | Sigma | 2.1 2 | 9.4 3 | | | TimeOfFlight | 51 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Re | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Re | Sigma | 2.0 -1 | 4.5 4 | | | | 161 | KONKS 64 | 64 | CCP | Konks. |
| Re | Sigma | 2.0 4 | 1.0 6 | | | CrystalScint | 14 | AE 19 42 | 65 | CCP | Stavisskii. |
| Re | Sigma | 2.9 4 | 1.7 5 | | | Liquid Scint | 15 | AE 19 457 | Nov65 | CCP | Kononov. |
| Re | Sigma | 2.9 4 | 1.7 5 | | Indium | TimeOfFlight | 17 | YF 4 282 | Aug66 | OBN | Kononov,V.N.+ |
| Re | Sigma | 6.0 5 | 8.0 5 | | Au(n,γ) | Proportion C | 2 | YF 5 18 | Jan67 | CCP | Druzhinin. |
| Re | Sigma | 1.2 4 | 1.6 5 | | Au(n,γ) | Scint Tank | 72 | KFK- 635 | Oct67 | KFK | Poenitz,W.P.+ |
| Re | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re | Sigma | 1.0 3 | 6.4 5 | | | TimeOfFlight* | 92 | 70HELSNK/II-265 | Jun70 | GA | Fricke,M.P.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Re | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 97 | ANL-7363 | Aug67 | ANL | Smith. |
| Re | Legendre Fit | 4.2 5 | 1.3 6 | | Carbon | TimeOfFlight | 3 | SMITH 65H | Aug65 | ANL | Smith. |
| Re | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 487 | ANL-7363 | Aug67 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | |
| Re | Sigma | 3.8 5 | 1.5 6 | | Carbon | TimeOfFlight | 165 | ANL-7363 | Aug67 | ANL | Smith. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Re | σ(Potential) | 2.5 -2 | 2.5 -2 | | | | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Re | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Re | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Re | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Re | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | NASA/D- 4938 | Dec68 | LRC | Pierce. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Re | Sigma | 2.4 3 | 1.9 6 | | | | 110 | JNE 19 767 | Oct65 | ANL | Stupegia. |
| Re | Sigma | 3.0 4 | 8.0 4 | | | Accelerator | 5 | SETH 65J | Oct65 | DKE | Seth. |
| Re | Sigma | 8.1 5 | 1.5 6 | S | Absolute | Accelerator | 35 | ANL-7110 15 | Dec65 | ANL | Smith. |
| Re | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 245 | POSTER 67E | May67 | BNW | Foster. |
| Re | Sigma | 5.4 5 | 1.5 6 | | | | 111 | ANL-7363 | Aug67 | ANL | Smith. |
| Re | Sigma | 1.0 5 | 6.5 5 | | | Accelerator | 97 | AP 46 401 | Feb68 | DKE | Tabony. |
| Re | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re | Sigma | 1.2 -2 | 1.0 1 | | Absolute | Accelerator | 91 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| | n-WIDTH | | | | | | | | | | |
| Re | 2agΓ(n) | 5.9 1 | 1.2 2 | | | AreaAnalysis | 6 | CHRIEN 59 | 59 | BNL | Chrien. |
| Re | 2gΓ(n,l=0) | 5.9 0 | 2.1 1 | | | Shape Analys | 5 | PR 92 702 | Nov53 | COL | Melkonian,E.+ |
| Re | 2gΓ²(n)/Γ | 2.2 0 | 2.2 0 | | | | 1 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Re | Resonance Energy | 2.2 1 | 1.1 2 | | | TimeOfFlight | 23 | AE 19 250 | Sep65 | UKR | Vertebny,V.P.+ |
| Re | Resonance Energy | 5.0 0 | 5.0 0 | | Absolute | | 1 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| Re | Resonance Energy | 1.0 2 | 3.0 2 | | | Breit-Wigner* | 57 | IDENO 71L | Dec71 | JAE | Ideno,K.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Re | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Re | Strength Fn(l=0) | 3.4 5 | 3.4 5 | | | AverageTrans | 1 | AP 46 401 | Feb68 | DKE | Tabony. |
| Re | Strength Fn(l=0) | 5.0 1 | 5.0 1 | | | | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re | Strength Fn(l=0) | 1.5 4 | 1.5 4 | | | AverageTrans | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Re | Strength Fn(l=1) | 3.4 5 | 3.4 5 | | | AverageTrans | 1 | AP 46 401 | Feb68 | DKE | Tabony. |
| Re | Strength Fn(l=1) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Re | Strength Fn(l=2) | 3.4 5 | 3.4 5 | | | AverageTrans | 1 | AP 46 401 | Feb68 | DKE | Tabony. |
| Re | Strength Fn(l=2) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| Re | Str Fnct Part(γ) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KFK | Kompe,D. |
| | (n,γ) REACTION | | | | | | | | | | |
| Re185 | Sigma | 2.4 4 | 2.4 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| Re185 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | AD-402668 | Mar63 | PLA | Karam. |
| Re185 | Sigma | 1.8 5 | 2.6 6 | | Absolute | Activation | 25 | JNE 19 767 | Oct65 | ANL | Stupegia. |
| Re185 | Sigma | 4.6 3 | 9.3 4 | | Norm To Abs | Activation | 8 | JNE 19 767 | Oct65 | ANL | Stupegia. |
| Re185 | Sigma | 2.4 4 | 2.4 4 | | I127 | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| Re185 | Sigma | 6.0 5 | 8.0 5 | | Au(n,γ) | Proportion C | 2 | YF 5 18 | Jan67 | CCP | Druzhinin. |
| Re185 | Sigma | 4.0 2 | 4.0 4 | | | | 11 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re185 | Sigma | 1.0 -2 | 9.9 0 | | | Liquid Scint | 30 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re185 | Sigma | 2.5 -2 | 2.5 -2 | | σ(Total) | Liquid Scint | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re185 | Reson Integral | 5.0 -1 | 5.0 -1 | S | | | 1 | BAP 12 596 | Apr67 | GA | Friesenhahn. |
| Re185 | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| | (n,2n) REACTION | | | | | | | | | | |
| Re185 | Sigma | 1.4 7 | 1.4 7 | S | Au(n,γ) | Activation | 1 | NP-11874 | Jun62 | PLA | Karam. |
| Re185 | Sigma | 1.4 7 | 1.4 7 | | Au(n,γ) | Activation | 2 | NP-12336 | Sep62 | PLA | Karam. |
| Re185 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Gas Scint | 2 | YF 5 18 | Jan67 | CCP | Druzhinin. |
| Re185 | Sigma | 1.0 6 | 1.0 6 | | Ni58(n,p) | Activation * | 2 | RCA 13 169 | Jun70 | KJL | Steinnes,E. |
| | ABSORPTIGN X-SECT | | | | | | | | | | |
| Re185 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| Re185 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | NASA/D- 4938 | Dec68 | LRC | Pierce. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Re185 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | AE 19 250 | Sep65 | UKR | Vertebny,V.P.+ |
| Re185 | Sigma | 5.0 -3 | 1.1 0 | | Absolute | TimeOfFlight | 81 | AE 19 250 | Sep65 | UKR | Vertebny,V.P.+ |
| | γ-WIDTH | | | | | | | | | | |
| Re185 | Γ(γ) | 2.2 0 | 2.2 0 | | | Shape Analys | 1 | PR 100 1338 | Dec55 | BNL | Igo.+ |
| Re185 | Γ(γ) | 2.2 0 | 4.1 1 | S | | AreaAnalysis | 7 | WASH-1068 59 | Mar66 | GA | Friesenhahn,S.J.+ |
| Re185 | Γ(γ) | 2.2 0 | 6.7 1 | | | | 11 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re185 | Γ(γ) | 5.9 0 | 5.2 1 | C | | * | 5 | IDENO 71L | Dec71 | JAE | Ideno,K.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | |
| Re185 | 2gΓ(n) | 2.2 0 | 2.2 0 | | | Shape Analys | 1 | PR 100 1338 | Dec55 | BNL | Igo.+ |
| Re185 | 2gΓ(n) | 1.2 1 | 1.0 2 | | | AreaAnalysis | 20 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| Re185 | 2gΓ(n) | 2.2 0 | 2.1 1 | | | TimeOfFlight | 7 | AE 19 250 | Sep65 | UKR | Vertebny,V.P.+ |
| Re185 | 2gΓ(n) | 2.2 0 | 4.5 1 | S | | AreaAnalysis | 13 | WASH-1068 59 | Mar66 | GA | Friesenhahn,S.J.+ |
| Re185 | 2gΓ(n) | -6.7 0 | 9.9 1 | | | | 30 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re185 | 2gΓ(n) | 5.9 0 | 1.0 2 | | | Breit-Wigner* | 27 | IDENO 71L | Dec71 | JAE | Ideno,K.+ |
| Re185 | 2gΓ(n,l=0) | 2.2 0 | 2.2 0 | | | Shape Analys | 1 | PR 92 702 | Nov53 | COL | Melkonian,E.+ |
| Re185 | 2gΓ(n,l=0) | 2.2 0 | 4.5 1 | | | AreaAnalysis | 13 | WASH-1068 59 | Mar66 | GA | Friesenhahn,S.J |
| | TOTAL WIDTH | | | | | | | | | | |
| Re185 | Γ | 2.2 0 | 2.2 0 | | | Shape Analys | 1 | PR 92 702 | Nov53 | COL | Melkonian,E.+ |
| Re185 | Γ | 2.2 0 | 2.2 0 | | | Shape Analys | 1 | PR 100 1338 | Dec55 | BNL | Igo.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Re185 | Resonance Energy | 7.2 0 | 5.9 6 | | | Shape Analys | 4 | PR 100 1338 | Dec55 | BNL | Igo.+ |
| Re185 | Resonance Energy | 2.7 1 | 2.7 1 | | | TimeOfFlight | 1 | AE 19 250 | Sep65 | UKR | Vertebny,V.P.+ |
| Re185 | Resonance Energy | 1.0 2 | 5.0 2 | | | | 66 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re185 | Resonance Energy | 5.9 0 | 1.0 2 | | | Breit-Wigner* | 28 | IDENO 71L | Dec71 | JAE | Ideno,K.+ |
| Re185 | σ(0) | 2.2 0 | 2.2 0 | | | Shape Analys | 1 | PR 100 1338 | Dec55 | BNL | Igo.+ |
| Re185 | Spin of Reson | 2.2 0 | 2.2 0 | | Lead | Crystal Spec | 1 | NP 82 331 | Jul66 | MOL | Poortmans,F.+ |
| Re185 | Spin of Reson | 2.2 0 | 1.3 1 | | | Polar T or B | 4 | PR 155 1330 | Mar67 | NRL | Stolovy,A. |
| | AVERAGED PARAM | | | | | | | | | | |
| Re185 | Strength Fn(l=0) | 1.0 1 | 1.0 1 | | | | 1 | AE 19 250 | Sep65 | CCP | Vertebny,V.P.+ |
| Re185 | Strength Fn(l=0) | 2.3 1 | 2.3 1 | | | AreaAnalysis | 1 | WASH-1068 59 | Mar66 | GA | Friesenhahn,S.J.+ |
| Re185 | Strength Fn(l=0) | 5.0 1 | 5.0 1 | | | | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re185 | Strength Fn(l=0) | 1.2 2 | 1.2 2 | C | | * | 1 | IDENO 71L | Dec71 | JAE | Ideno,K.+ |
| Re185 | Strength Fn(l=1) | 1.5 4 | 1.5 4 | | | | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re185 | Level Spacing | 2.3 1 | 2.3 1 | S | | AreaAnalysis | 1 | WASH-1068 59 | Mar66 | GA | Friesenhahn,S.J.+ |
| Re185 | Level Spacing | 5.0 4 | 5.0 4 | | | | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re185 | Level Spacing | 1.5 4 | 1.5 4 | | | AverageTrans | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| | (n,γ) REACTION | | | | | | | | | | |
| Re187 | Sigma | 2.4 4 | 2.4 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| Re187 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | AD-402668 | Mar63 | FLA | Karam. |
| Re187 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | 64PARIS/II- 703 | Jul64 | HUN | Gulyas. |
| Re187 | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 136B 18 | Oct64 | BNL | Takahashi. |
| Re187 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 136B 18 | Oct64 | BNL | Takahashi. |
| Re187 | Sigma | 2.5 -2 | 2.5 -2 | N | | Activation | 1 | PR 136B 18 | Oct64 | BNL | Takahashi. |
| Re187 | Sigma | 4.9 3 | 2.6 6 | | σ(Thermal) | Activation | 27 | JNE 19 767 | Oct65 | ANL | Stupegia. |
| Re187 | Sigma | 1.8 5 | 2.6 6 | | Absolute | Activation | 25 | JNE 19 767 | Oct65 | ANL | Stupegia. |
| Re187 | Sigma | 4.6 3 | 9.3 4 | | Norm To Abs | Activation | 8 | JNE 19 767 | Oct65 | ANL | Stupegia. |
| Re187 | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| Re187 | Sigma | 6.0 5 | 8.0 5 | | Au(n,γ) | Proportion C | 2 | YP 5 18 | Jan67 | CCP | Druzhinin. |
| Re187 | Sigma | 4.0 2 | 4.0 4 | | | | 11 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re187 | Sigma | 1.0 -2 | 1.0 0 | | | Liquid Scint | 16 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re187 | Sigma | 2.5 -2 | 2.5 -2 | | σ(Total) | Liquid Scint | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re187 | Reson Integral | 5.0 -1 | 5.0 -1 | S | | | 1 | BAP 12 596 | Apr67 | GA | Friesenhahn. |
| Re187 | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| | (n,2n) REACTION | | | | | | | | | | |
| Re187 | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| Re187 | Sigma | 1.4 7 | 1.4 7 | | Au(n,γ) | Activation | 1 | NP-11874 | Jun62 | FLA | Karam. |
| Re187 | Sigma | 6.0 5 | 6.0 5 | | Au(n,γ) | Proportion C | 1 | YP 5 18 | Jan67 | CCP | Druzhinin. |
| Re187 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Proportion C | 1 | YP 5 18 | Jan67 | CCP | Druzhinin. |
| | (n,p) REACTION | | | | | | | | | | |
| Re187 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| Re187 | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Re187 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| Re187 | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| Re187 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | NASA/D- 4938 | Dec68 | LRC | Pierce. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Re187 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | AE 19 250 | Sep65 | UKR | Vertebny,V.P.+ |
| Re187 | Sigma | 5.0 -3 | 1.1 0 | | Absolute | TimeOfFlight | 81 | AE 19 250 | Sep65 | UKR | Vertebny,V.P.+ |
| | γ-WIDTH | | | | | | | | | | |
| Re187 | Γ(γ) | 4.4 0 | 4.4 0 | | | Shape Analys | 1 | PR 100 1338 | Dec55 | BNL | Igo.+ |
| Re187 | Γ(γ) | 4.4 0 | 3.9 1 | S | | AreaAnalysis | 8 | WASH-1068 59 | Mar66 | GA | Friesenhahn,S.J.+ |
| Re187 | Γ(γ) | 4.4 0 | 8.5 1 | | | | 15 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re187 | Γ(γ) | 4.4 0 | 6.9 1 | C | | * | 4 | IDENO 71L | Dec71 | JAE | Ideno,K.+ |
| | n-WIDTH | | | | | | | | | | |
| Re187 | 2gΓ(n) | 4.4 0 | 4.4 0 | | | Shape Analys | 1 | PR 92 702 | Nov53 | COL | Melkonian,E.+ |
| Re187 | 2gΓ(n) | 4.4 0 | 4.4 0 | | | Shape Analys | 1 | PR 100 1338 | Dec55 | BNL | Igo.+ |
| Re187 | 2gΓ(n) | 4.8 1 | 1.2 2 | | | AreaAnalysis | 5 | CHRIEN 59 | 59 | BNL | Chrien. |
| Re187 | 2gΓ(n) | 1.1 1 | 4.0 1 | | | AreaAnalysis | 7 | CHRIEN 59K | Nov59 | BNL | Chrien. |
| Re187 | 2gΓ(n) | 4.4 0 | 1.8 1 | | | TimeOfFlight | 5 | AE 19 250 | Sep65 | UKR | Vertebny,V.P.+ |
| Re187 | 2gΓ(n) | 4.4 0 | 4.7 1 | S | | AreaAnalysis | 10 | WASH-1068 59 | Mar66 | GA | Friesenhahn,S. |
| Re187 | 2gΓ(n) | -2.1 0 | 9.2 1 | | | | 24 | JNE 22 191 | Apr68 | GA | Friesenhahn. |
| Re187 | 2gΓ(n) | 4.4 0 | 1.2 2 | | | Breit-Wigner* | 26 | IDENO 71L | Dec71 | JAE | Ideno,K.+ |
| Re187 | 2gΓ(n,l=0) | 1.1 1 | 1.1 1 | | | Shape Analys | 1 | PR 92 702 | Nov53 | COL | Melkonian,E.+ |
| Re187 | 2gΓ(n,l=0) | 4.4 0 | 4.7 1 | | | AreaAnalysis | 10 | WASH-1068 59 | Mar66 | GA | Friesenhahn,S.J.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| Re187 | Γ | 4.4 0 | 4.4 0 | | | Shape Analys | 1 | PR 92 702 | Nov53 | COL | Melkonian,E.+ |
| Re187 | Γ | 4.4 0 | 4.4 0 | | | Shape Analys | 1 | PR 100 1338 | Dec55 | BNL | Igo.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Re^{187}$ | Resonance Energy | 1.1 | 1 | 1.1 | 1 | | | Shape Analys | 1 | PR 100 1338 | Dec55 | BNL | Igo.+ |
| $Re^{187}$ | Resonance Energy | 4.0 | 1 | 4.0 | 1 | | | TimeOfFlight | 1 | AE 19 250 | Sep65 | UKR | Vertebny,V.P.+ |
| $Re^{187}$ | Resonance Energy | 8.8 | 1 | 4.9 | 2 | | | | 54 | JNE 22 191 | Apr68 | GA | Priesenhahn. |
| $Re^{187}$ | Resonance Energy | 4.4 | 0 | 1.2 | 2 | | | Breit-Wigner* | 26 | IDENO 71L | Dec71 | JAE | Ideno,K.+ |
| $Re^{187}$ | $\sigma(0)$ | 4.4 | 0 | 4.4 | 0 | | | Shape Analys | 1 | PR 100 1338 | Dec55 | BNL | Igo.+ |
| $Re^{187}$ | Spin of Reson | 4.4 | 0 | 1.1 | 1 | | | Polar T or B | 2 | PR 155 1330 | Mar67 | NRL | Stolovy,A. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Re^{187}$ | Strength Fn(l=0) | 1.0 | 1 | 1.0 | 1 | | | | 1 | AE 19 250 | Sep65 | CCP | Vertebny,V.P.+ |
| $Re^{187}$ | Strength Fn(l=0) | 2.4 | 1 | 2.4 | 1 | | | AreaAnalysis | 1 | WASH-1068 59 | Mar66 | GA | Priesenhahn,S.J.+ |
| $Re^{187}$ | Strength Fn(l=0) | 5.0 | 1 | 5.0 | 1 | | | | 1 | JNE 22 191 | Apr68 | GA | Priesenhahn. |
| $Re^{187}$ | Strength Fn(l=0) | 1.2 | 2 | 1.2 | 2 | C | | * | 1 | IDENO 71L | Dec71 | JAE | Ideno,K.+ |
| $Re^{187}$ | Strength Fn(l=1) | 1.5 | 4 | 1.5 | 4 | | | | 1 | JNE 22 191 | Apr68 | GA | Priesenhahn. |
| $Re^{187}$ | Level Spacing | 2.4 | 1 | 2.4 | 1 | S | | AreaAnalysis | 1 | WASH-1068 59 | Mar66 | GA | Priesenhahn,S.J.+ |
| $Re^{187}$ | Level Spacing | 5.0 | 4 | 5.0 | 4 | | | | 1 | JNE 22 191 | Apr68 | GA | Priesenhahn. |
| $Re^{187}$ | Level Spacing | 1.5 | 4 | 1.5 | 4 | | | AverageTrans | 1 | JNE 22 191 | Apr68 | GA | Priesenhahn. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Os | Sigma | 2.1 2 | 7.2 3 | | | TimeOfFlight | 49 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Os | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| Os | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 3 | NC 29 977 | Aug63 | CAS | Giannini,M.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Os | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| Os | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Os | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Os | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Os | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Os | Sigma | 4.5 0 | 2.8 4 | | Absolute | TimeOfFlight | 419 | 55GENEVA/ 4- 22 | Aug55 | CCP | Vladimirski. |
| Os | Sigma | 3.6 -1 | 1.6 5 | | Absolute | TimeOfFlight | 489 | CHRIEN 58G | Jul58 | BNL | Chrien. |
| Os | Sigma | 3.0 4 | 6.5 5 | | | Accelerator | 92 | SETH 65J | Oct65 | DKE | Seth. |
| Os | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| | γ-WIDTH | | | | | | | | | | |
| Os | Γ(γ) | 1.0 1 | 2.2 1 | | | AreaAnalysis | 3 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Os | Γ(γ) | 3.9 1 | 7.9 1 | | | AreaAnalysis | 2 | WASH-1013 | 58 | BNL | Chrien. |
| | n-WIDTH | | | | | | | | | | |
| Os | 2agΓ(n) | 6.7 0 | 9.0 1 | | | AreaAnalysis | 16 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Os | 2agΓ(n) | 3.9 1 | 7.9 1 | | | AreaAnalysis | 3 | WASH-1013 | 58 | BNL | Chrien. |
| Os | 2agΓ(n,l=0) | 6.7 0 | 9.0 1 | | | AreaAnalysis | 16 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| Os | Γ | 3.9 1 | 9.0 1 | | | AreaAnalysis | 3 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Os | Γ | 3.9 1 | 7.9 1 | | | AreaAnalysis | 2 | WASH-1013 | 58 | BNL | Chrien. |
| Os | aΓ²σ(0) | 6.5 0 | 4.2 7 | | | TimeOfFlight | 5 | PR 71 174 | Feb47 | COL | Wu. |
| Os | aΓ²σ(0) | 6.7 0 | 9.0 1 | | | AreaAnalysis | 13 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Os | Resonance Energy | 4.5 1 | 1.1 2 | | | AreaAnalysis | 6 | WASH-1013 | 58 | BNL | Chrien. |
| Os | Resonance Energy | 1.2 1 | 4.4 1 | | | CaptureGamma | 5 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| Os | Resonance Energy | 5.0 1 | 3.2 2 | | | TimeOfFlight | 19 | INDSWG-120E | 65 | CCP | Ignatiev. |
| | AVERAGED PARAM | | | | | | | | | | |
| Os | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Os | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Os^{184}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Os^{184}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Os^{186}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Os^{186}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Os^{187}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Os^{187}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Os^{187}$ | Resonance Energy | 1.3 1 | 1.3 1 | | | AreaAnalysis | 1 | WASH-1013 | 58 | BNL | Chrien. |
| $Os^{187}$ | Resonance Energy | 9.5 0 | 4.7 1 | | | CaptureGamma | 4 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Os^{187}$ | Resonance Energy | 9.5 0 | 1.3 1 | | | * | 2 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| $Os^{187}$ | Spin of Reson | 9.5 0 | 1.3 1 | | | * | 2 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Os^{188}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| $Os^{188}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| | (n,p) REACTION | | | | | | | | | | |
| $Os^{188}$ | Sigma | 1.5 7 | 1.5 7 | S | Iron | Activation | 1 | PHY 31 1091 | Jan65 | NED | Nagel,W.+ |
| $Os^{188}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| $Os^{188}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation * | 1 | NP A 91 222 | Jan67 | DEB | Csikai,J.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Os^{188}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Os^{188}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Os^{188}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NAGEL 66L | Dec66 | NED | Nagel,W. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Os^{189}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Os^{189}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Os^{189}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NYO-10175 | 64 | MCB | Arino. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Os^{189}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| $Os^{189}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Os^{189}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Os^{189}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH | | | | | | | | | | |
| $Os^{189}$ | Γ(γ) | 6.7 0 | 9.0 0 | | | AreaAnalysis | 2 | WASH-1013 | 58 | BNL | Chrien. |
| $Os^{189}$ | Γ(γ) | 6.7 0 | 1.0 1 | | | AreaAnalysis | 3 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| | n-WIDTH | | | | | | | | | | |
| $Os^{189}$ | 2agΓ(n) | 6.7 0 | 1.9 1 | | | AreaAnalysis | 4 | WASH-1013 | 58 | BNL | Chrien. |
| $Os^{189}$ | 2gΓ(n,l=0) | 6.7 0 | 2.8 1 | | | AreaAnalysis | 7 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Os^{189}$ | 2gΓ(n,l=0) | 6.7 0 | 6.7 0 | | | Shape Analys | 1 | PR 127 461 | Jul62 | ANL | Jackson,H.E.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Os^{189}$ | Γ | 6.7 0 | 2.2 1 | | | AreaAnalysis | 4 | WASH-1013 | 58 | BNL | Chrien. |
| $Os^{189}$ | Γ | 6.7 0 | 1.0 1 | | | AreaAnalysis | 3 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Os^{189}$ | Γ | 6.7 0 | 6.7 0 | | | Shape Analys | 1 | PR 127 461 | Jul62 | ANL | Jackson,H.E.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Os^{189}$ | Resonance Energy | 2.7 1 | 6.0 1 | | | AreaAnalysis | 6 | WASH-1013 | 58 | BNL | Chrien. |
| $Os^{189}$ | Resonance Energy | 6.7 0 | 6.1 1 | | | CaptureGamma | 13 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Os^{189}$ | Resonance Energy | 6.7 0 | 6.1 1 | | | * | 12 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| $Os^{189}$ | Spin of Reson | 6.7 0 | 6.1 1 | | | * | 12 | PR C 1 1501 | Apr70 | ANL | Wetzel,K.J.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Os^{190}$ | Sigma | 2.4 4 | 2.4 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Os^{190}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Os^{190}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 20 183 | Oct60 | MUA | Hans,H.S.+ |
| $Os^{190}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 2 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| $Os^{190}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 1 | IAN/E- 1 | Jun64 | CLM | Carrillo. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Os^{190}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| $Os^{190}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| | (n,p) REACTION | | | | | | | | | | |
| $Os^{190}$ | Sigma | 1.5 7 | 1.5 7 | | Alna+Cu(n2n) | Activation * | 1 | NP A 91 222 | Jan67 | DEB | Csikai,J.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Os^{190}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Os^{190}$ | Sigma | 1.5 7 | 1.5 7 | S | Iron | Activation | 1 | PHY 31 1091 | Jan65 | NED | Nagel,W.+ |
| $Os^{190}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Os^{190}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Os^{192}$ | Sigma | 3.0 6 | 3.0 6 | | Au(n,γ) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Os^{192}$ | Sigma | 2.0 5 | 3.1 6 | | $U^{235}$(n,f) | Activation | 19 | AE 23 566 | Dec67 | OBN | Tolstikov. |
| $Os^{192}$ | Sigma | 1.1 4 | 3.5 5 | | | Activation | 8 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Os^{192}$ | σ(Coherent) | 2.5 4 | 2.5 4 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| $Os^{192}$ | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Os^{192}$ | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation * | 10 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| $Os^{192}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 3 | NP A158 77 | Dec70 | IRK | Winiwarter,P. |
| $Os^{192}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation * | 1 | NP A158 77 | Dec70 | IRK | Winiwarter,P. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Os^{192}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Os^{192}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Ir | Sigma | 2.5 -2 | 2.5 -2 | S | | Activation | 1 | CP-2376 | Nov44 | ANL | Seren. |
| Ir | Sigma | 2.0 2 | 9.5 3 | | | TimeOfFlight | 50 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Ir | Sigma | 1.5 -1 | 2.9 4 | | | Slowing-Down | 233 | ZET 42 988 | 62 | LEB | Popov. |
| Ir | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 129 2695 | Mar63 | ORL | Macklin. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Ir | σ(Potential) | 7.0 0 | 7.0 0 | | Lead | Scattering | 1 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| Ir | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| Ir | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | ANL-6797 393 | 63 | ANL | Mueller. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Ir | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ir | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Ir | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Ir | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| Ir | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Ir | Sigma | 4.6 -1 | 1.5 0 | | Absolute | Crystal Spec | 127 | LANDON 55D | Apr55 | BNL | Landon. |
| Ir | Sigma | 4.5 0 | 2.8 4 | | Absolute | TimeOfFlight | 232 | 55GENEVA/ 4- 22 | Aug55 | CCP | Vladimirski. |
| Ir | Sigma | 2.0 -3 | 2.4 -2 | | Absolute | Crystal Spec | 23 | HUBERT 58C | Mar58 | SAC | Hubert. |
| Ir | Sigma | 2.5 -3 | 1.0 -1 | | | Crystal Spec | 11 | HW-55879 3 | Apr58 | HAN | Seppi. |
| Ir | Sigma | 3.0 4 | 6.5 5 | | | Accelerator | 102 | SETH 65J | Oct65 | DKE | Seth. |
| Ir | Sigma | 1.0 -2 | 1.8 1 | | Absolute | TimeOfFlight | 355 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| Ir | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 243 | POSTER 67E | May67 | BNW | Poster. |
| | γ-WIDTH | | | | | | | | | | |
| Ir | Γ(γ) | 5.4 0 | 9.0 0 | | | AreaAnalysis | 3 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Ir | Γ(γ) | 6.5 -1 | 5.4 0 | | | | 2 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| | n-WIDTH | | | | | | | | | | |
| Ir | 2agΓ(n) | 5.4 0 | 9.3 1 | | | AreaAnalysis | 18 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Ir | 2agΓ(n,l=0) | 4.2 1 | 4.2 1 | | | AreaAnalysis | 1 | AE 1 55 | 56 | CCP | Radkevich. |
| Ir | 2agΓ(n,l=0) | 5.4 0 | 9.3 1 | | | AreaAnalysis | 17 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| Ir | 2gΓ²(n)/Γ | 6.5 -1 | 9.1 0 | | | | 4 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| Ir | Γ | 6.5 -1 | 1.3 0 | | | Shape Analys | 2 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| Ir | aΓ²σ(0) | 5.4 0 | 9.3 1 | | | AreaAnalysis | 6 | AE 1 55 | 56 | CCP | Radkevich. |
| Ir | aΓ²σ(0) | 1.1 1 | 7.6 1 | | | AreaAnalysis | 5 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| Ir | Resonance Energy | 1.9 1 | 4.2 2 | | | TimeOfFlight | 58 | INDSWG-120E | 65 | CCP | Ignatiev. |
| Ir | Resonance Energy | 1.2 0 | 1.7 1 | | Absolute | | 4 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| Ir | σ(0) | 6.5 -1 | 1.3 0 | | | Shape Analys | 2 | NP A 97 657 | May67 | MOL | Poortmans,F.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| Ir | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Ir | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YP 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Ir | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Ir | Level Spacing | 2.5 4 | 2.5 4 | | | | 1 | YP 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ir^{191}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NP 41 604 | 63 | BNL | Harbottle. |
| $Ir^{191}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Ir^{191}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Ir^{191}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | NYO-10175 | 64 | UCB | Arino. |
| $Ir^{191}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Ir^{191}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Ir^{191}$ | Sigma | 2.8 6 | 2.8 6 | | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ir^{191}$ | Sigma | 1.5 7 | 1.5 7 | | Iron | Activation | 1 | NP 28 560 | Dec61 | MUA | Khurana,C.S.+ |
| $Ir^{191}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Ir^{191}$ | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation * | 11 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Ir^{191}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ir^{191}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | BAP 4 271 | 59 | BNL | Bolotin. |
| | γ-WIDTH | | | | | | | | | | |
| $Ir^{191}$ | Γ(γ) | 6.5 -1 | 5.4 0 | | | Shape Analys | 2 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| $Ir^{191}$ | Γ(γ) | 5.4 0 | 5.4 0 | | | AreaAnalysis | 1 | WASH-1013 16 | Nov58 | BNL | Chrien,R.+ |
| $Ir^{191}$ | Γ(γ) | 5.4 0 | 5.1 1 | | | AreaAnalysis | 4 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ir^{191}$ | Γ(γ) | 6.5 -1 | 6.5 -1 | | | Scattering | 1 | 65ANTWRP- 94 | Jul65 | MOL | Poortmans. |
| $Ir^{191}$ | Γ(γ) | 5.4 0 | 5.1 1 | | | AreaAnalysis | 3 | CJP 44 399 | Feb66 | CR | Bhat,M.R. |
| $Ir^{191}$ | Γ(γ) | 6.5 -1 | 6.5 -1 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | n-WIDTH | | | | | | | | | | |
| $Ir^{191}$ | Γ(n) | 5.4 0 | 5.1 1 | | | AreaAnalysis | 3 | CJP 44 399 | Feb66 | CR | Bhat,M.R. |
| $Ir^{191}$ | Γ(n) | 6.5 -1 | 6.5 -1 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Ir^{191}$ | 2gΓ(n) | 6.5 -1 | 5.4 0 | | | Shape Analys | 2 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| $Ir^{191}$ | 2gΓ(n) | 5.4 0 | 6.2 0 | | | AreaAnalysis | 2 | WASH-1013 16 | Nov58 | BNL | Chrien,R.+ |
| $Ir^{191}$ | 2gΓ(n,l=0) | 9.1 0 | 1.0 2 | | | AreaAnalysis | 19 | BAP 4 271 | 59 | BNL | Bolotin. |
| $Ir^{191}$ | 2gΓ(n,l=0) | 5.4 0 | 5.1 1 | | | AreaAnalysis | 4 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ir^{191}$ | 2gΓ(n,l=0) | 6.5 -1 | 6.5 -1 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ir^{191}$ | Γ | 6.5 -1 | 5.4 0 | | | Shape Analys | 2 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| $Ir^{191}$ | Γ | 5.4 0 | 6.2 0 | | | AreaAnalysis | 2 | WASH-1013 16 | Nov58 | BNL | Chrien,R.+ |
| $Ir^{191}$ | Γ | 6.5 -1 | 6.5 -1 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH (CONTINUED) | | | | | | | | | | |
| $Ir^{191}$ | $\Gamma\sigma(0)$ | 6.5 -1 | 5.4 0 | | | Shape Analys | 2 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ir^{191}$ | Resonance Energy | 5.3 0 | 6.5 1 | | | CaptureGamma | 9 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| $Ir^{191}$ | Resonance Energy | 6.5 -1 | 6.5 -1 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Ir^{191}$ | $\sigma(0)$ | 6.5 -1 | 5.4 0 | | | Shape Analys | 2 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| $Ir^{191}$ | $\sigma(0)$ | 6.5 -1 | 6.5 -1 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Ir^{191}$ | Spin of Reson | 6.5 -1 | 6.5 -1 | | | Scattering | 1 | 65ANTWRP- 94 | Jul65 | MOL | Poortmans. |
| $Ir^{191}$ | Spin of Reson | 5.4 0 | 5.1 7 | | | Scattering | 6 | CJP 44 399 | Feb66 | CR | Bhat,M.R. |
| $Ir^{191}$ | Spin of Reson | 6.5 -1 | 9.1 0 | | Lead | Crystal Spec | 3 | NP 82 331 | Jul66 | MOL | Poortmans,F.+ |
| $Ir^{191}$ | Spin of Reson | 6.5 -1 | 9.1 0 | | | Polar T or B | 3 | PR 155 1330 | Mar67 | NRL | Stolovy,A. |
| $Ir^{191}$ | Stat Weight Fact | 6.5 -1 | 6.5 -1 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Ir^{191}$ | Strength Fn(l=0) | 5.2 1 | 5.2 1 | | | Holograph | 1 | BAP 4 271 | 59 | BNL | Bolotin. |
| $Ir^{191}$ | Level Spacing | 2.0 1 | 2.0 1 | | | | 1 | BAP 4 271 | 59 | BNL | Bolotin. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ir^{193}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 129 769 | Jan63 | MTR | Keisch. |
| $Ir^{193}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | NYO-10175 | 64 | UCB | Arino. |
| $Ir^{193}$ | Sigma | 1.7 5 | 3.1 6 | | $U^{235}$(n,f) | Activation | 17 | 66PARIS/I- 473 | Oct66 | OBN | Koroleva,V.P.+ |
| $Ir^{193}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Ir^{193}$ | Sigma | 3.0 6 | 3.0 6 | | $P^{31}$(n,p) | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Ir^{193}$ | Sigma | 1.0 4 | 3.8 5 | | | Activation | 6 | INDC-260 11 | Feb69 | OBN | Dovbenko. |
| | (n,p) REACTION | | | | | | | | | | |
| $Ir^{193}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ir^{193}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | BAP 4 271 | 59 | BNL | Bolotin. |
| | γ-WIDTH | | | | | | | | | | |
| $Ir^{193}$ | $\Gamma(\gamma)$ | 1.3 0 | 1.3 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| $Ir^{193}$ | $\Gamma(\gamma)$ | 4.3 1 | 4.3 1 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ir^{193}$ | $\Gamma(\gamma)$ | 1.3 0 | 1.3 0 | | | Scattering | 1 | 65ANTWRP- 94 | Jul65 | MOL | Poortmans. |
| $Ir^{193}$ | $\Gamma(\gamma)$ | 1.3 0 | 1.3 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | n-WIDTH | | | | | | | | | | |
| $Ir^{193}$ | $\Gamma(n)$ | 1.3 0 | 1.3 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Ir^{193}$ | $2g\Gamma(n)$ | 1.3 0 | 1.3 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| $Ir^{193}$ | $2g\Gamma(n,l=0)$ | 9.1 0 | 2.2 2 | | | AreaAnalysis | 18 | BAP 4 271 | 59 | BNL | Bolotin. |
| $Ir^{193}$ | $2g\Gamma(n,l=0)$ | 4.3 1 | 4.3 1 | | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Ir^{193}$ | $2g\Gamma(n,l=0)$ | 1.3 0 | 1.3 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Ir^{193}$ | $\Gamma(n)/\Gamma$ | 1.3 0 | 1.3 0 | | | Scattering | 1 | 65ANTWRP- 94 | Jul65 | MOL | Poortmans. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ir^{193}$ | $\Gamma$ | 1.3 0 | 1.3 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| $Ir^{193}$ | $\Gamma$ | 1.3 0 | 1.3 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Ir^{193}$ | $\Gamma\sigma(0)$ | 1.3 0 | 1.3 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ir^{193}$ | Resonance Energy | 9.0 0 | 7.7 1 | | | CaptureGamma | 7 | NP 5 294 | Jan58 | HAR | Bowey,E.M.+ |
| $Ir^{193}$ | Resonance Energy | 1.3 0 | 1.3 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Ir^{193}$ | $\sigma(0)$ | 1.3 0 | 1.3 0 | | | Shape Analys | 1 | PR 100 1414 | Dec55 | BNL | Landon,H.H. |
| $Ir^{193}$ | $\sigma(0)$ | 1.3 0 | 1.3 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| $Ir^{193}$ | Spin of Reson | 1.3 0 | 9.1 0 | | Lead | Crystal Spec | 2 | NP 82 331 | Jul66 | MOL | Poortmans,F.+ |
| $Ir^{193}$ | Spin of Reson | 1.3 0 | 1.3 0 | | | Polar T or B | 1 | PR 155 1330 | Mar67 | NRL | Stolovy,A. |
| $Ir^{193}$ | Stat Weight Fact | 1.3 0 | 1.3 0 | | Absolute | Shape Analys | 1 | 66PARIS/I- 61 | Oct66 | WUR | Brunner,J.+ |
| | AVERAGED PARAM | | | | | | | | | | |
| $Ir^{193}$ | Strength Fn(l=0) | 1.0 4 | 1.0 4 | | | AverageTrans | 1 | BAP 4 271 | 59 | BNL | Bolotin. |
| $Ir^{193}$ | Strength Fn(l=0) | 1.1 2 | 1.1 2 | | | Holograph | 1 | BAP 4 271 | 59 | BNL | Bolotin. |
| $Ir^{193}$ | Level Spacing | 6.0 1 | 6.0 1 | | | | 1 | BAP 4 271 | 59 | BNL | Bolotin. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| Pt | Sigma | 1.7 5 | 1.0 6 | | $U^{235}$(n,f) | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Pt | Sigma | 6.5 3 | 1.7 5 | | | Scint Tank | 54 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Pt | Sigma | 3.0 4 | 6.5 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Pt | Sigma | 2.0 2 | 9.6 3 | | | TimeOfFlight | 51 | 61SACLAY-203 | Jul61 | ORL | Block. |
| Pt | Sigma | 3.0 4 | 3.0 4 | | | TimeOfFlight | 1 | NP 43 353 | 63 | ORL | Macklin. |
| Pt | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Moxon-Rae C | 1 | SHER 66A | Jan66 | STF | Sher. |
| | ELASTIC SCATTERING | | | | | | | | | | |
| Pt | Sigma | 3.0 5 | 1.5 6 | S | Carbon | TimeOfFlight | 25 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Pt | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 105 | ANL-7363 | Aug67 | ANL | Smith. |
| Pt | Legendre Fit | 3.0 5 | 1.5 6 | S | Carbon | TimeOfFlight | 125 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Pt | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 325 | SMITH 65H | Aug65 | ANL | Smith. |
| Pt | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 199 | ANL-7363 | Aug67 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | |
| Pt | Sigma | 4.5 5 | 1.5 6 | | Carbon | TimeOfFlight | 154 | ANL-7363 | Aug67 | ANL | Smith. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Pt | Ang Distrib | 1.3 5 | 1.4 6 | | Carbon | ModeratrTank | 75 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| Pt | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pt | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pt | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pt | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Pt | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Pt | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Pt | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Pt | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Pt | Sigma | 1.1 5 | 3.0 6 | | Absolute | Accelerator | 18 | PR 89 1271 | Mar53 | WIS | Walt. |
| Pt | Sigma | 9.2 0 | 2.0 2 | | Absolute | TimeOfFlight | 147 | CARTER 55C | Mar55 | BNL | Carter. |
| Pt | Sigma | 1.4 2 | 2.9 5 | | Absolute | TimeOfFlight | 49 | EGELSTAFF 55F | Jun55 | HAR | Egelstaff. |
| Pt | Sigma | 7.0 6 | 2.6 7 | S | Absolute | Biased Scint | 6 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Pt | Sigma | 8.3 0 | 1.6 2 | | Absolute | TimeOfFlight | 378 | SETH 58 | 58 | BNL | Seth. |
| Pt | Sigma | 6.8 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Pt | Sigma | 5.0 3 | 2.8 5 | | Absolute | Accelerator | 59 | BILPUCH 59I | Sep59 | DKE | Bilpuch. |
| Pt | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Pt | Sigma | 2.0 -3 | 6.1 -2 | | Absolute | Crystal Spec | 46 | 62MADRAS-369 | Mar62 | TRM | Duggal. |
| Pt | Sigma | 5.0 3 | 6.4 5 | | Absolute | Accelerator | 95 | PL 16 306 | Jun65 | DKE | Seth. |
| Pt | Sigma | 1.0 5 | 6.5 5 | | Absolute | | 265 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| Pt | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 272 | FOSTER 67E | May67 | BNW | Foster. |
| | n-WIDTH | | | | | | | | | | |
| Pt | agΓ(n) | 9.8 1 | 8.1 2 | | | Shape Analys | 24 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Pt | 2agΓ(n) | 3.3 1 | 3.3 1 | | | AreaAnalysis | 1 | OWEN 59B | Feb59 | BNL | Owen. |
| Pt | 2agΓ(n) | 1.8 2 | 8.1 2 | | | Shape Analys | 26 | BAP 11 337 | 66 | SAC | Julien. |
| Pt | agΓ(n,l=0) | 1.8 2 | 7.4 2 | | | Shape Analys | 20 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Pt | 2agΓ(n,l=0) | 3.3 1 | 3.3 1 | | | AreaAnalysis | 1 | OWEN 59B | Feb59 | BNL | Owen. |
| Pt | 2agΓ(n,l=0) | 1.8 2 | 8.1 2 | | | Shape Analys | 24 | BAP 11 337 | 66 | SAC | Julien. |
| | TOTAL WIDTH | | | | | | | | | | |
| Pt | Γ | 1.8 2 | 7.4 2 | | | Shape Analys | 6 | BAP 11 337 | 66 | SAC | Julien. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Pt | Resonance Energy | 1.3 2 | 1.4 2 | | | TimeOfFlight | 2 | ANL-6072 4 | 59 | ANL | Thomas. |
| Pt | Resonance Energy | 5.4 1 | 4.5 3 | | | TimeOfFlight | 74 | CR 249 413 | 59 | SAC | Corge,C.+ |
| Pt | Resonance Energy | 5.4 1 | 5.7 2 | | | TimeOfFlight | 15 | NP 14 212 | 59 | HAR | Bird,J.R.+ |
| Pt | Resonance Energy | 9.8 1 | 8.2 2 | | | Shape Analys* | 32 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Pt | Spin of Reson | 1.8 2 | 4.1 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| Pt | Strength Fn(l=0) | 3.0 4 | 3.0 4 | | | Transmission | 1 | PPS 70 51 | Jan57 | HAR | |
| Pt | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Pt | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Pt^{190}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Pt^{190}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pt^{190}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | ORNL-1879 50 | 55 | ORL | Pomerance. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pt^{192}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | PR 128 761 | Oct62 | BNL | Sehgal. |
| $Pt^{192}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Pt^{192}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Pt^{192}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pt^{192}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | ORNL-1879 50 | 55 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | |
| $Pt^{192}$ | Γ(γ) | 4.7 1 | 3.9 2 | | | Shape Analys | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | |
| $Pt^{192}$ | Γ(n) | 4.6 1 | 5.3 1 | | | AreaAnalysis | 2 | OWEN 59B | Feb59 | BNL | Owen. |
| $Pt^{192}$ | Γ(n) | 4.7 1 | 5.8 2 | | | Shape Analys | 6 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{192}$ | gΓ(n) | 4.7 1 | 5.8 2 | | | Shape Analys | 6 | CEA/R-3385 | Feb68 | SAC | Julien,J. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | |
| $Pt^{192}$ | agΓ(n) | 3.9 | 2 | 5.8 | 2 | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{192}$ | Γ(n,l=0) | 5.3 | 1 | 5.3 | 1 | | AreaAnalysis | 1 | OWEN 59B | Feb59 | BNL | Owen. |
| $Pt^{192}$ | Γ(n,l=0) | 4.7 | 1 | 5.8 | 2 | | Shape Analys | 6 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{192}$ | gΓ(n,l=0) | 4.7 | 1 | 3.9 | 2 | | Shape Analys | 5 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Pt^{192}$ | Γ | 4.7 | 1 | 5.8 | 2 | | Shape Analys | 6 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Pt^{192}$ | Resonance Energy | 4.7 | 1 | 4.7 | 1 | | TimeOfFlight | 1 | NP 14 212 | 59 | HAR | Bird,J.R.+ |
| $Pt^{192}$ | Resonance Energy | 4.7 | 1 | 5.8 | 2 | | Shape Analys* | 6 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{192}$ | Spin of Reson | 4.7 | 1 | 5.8 | 2 | | Shape Analys | 6 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Pt^{192}$ | Strength Fn(l=0) | 5.8 | 2 | 5.8 | 2 | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Pt^{194}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Au(n,γ) | Activation | 1 | PR 128 761 | Oct62 | BNL | Sehgal. |
| $Pt^{194}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Au(n,γ) | Activation | 1 | NP 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| $Pt^{194}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Pt^{194}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Pt^{194}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Pt^{194}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Tatel | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Pt^{194}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Pile Oscilat | 1 | ORNL-1879 50 | 55 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | | |
| $Pt^{194}$ | Γ(γ) | 3.8 | 2 | 4.9 | 2 | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | | |
| $Pt^{194}$ | Γ(n) | 3.8 | 2 | 7.0 | 2 | | Shape Analys | 4 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{194}$ | gΓ(n) | 3.8 | 2 | 7.0 | 2 | | Shape Analys | 4 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{194}$ | agΓ(n) | 3.8 | 2 | 7.0 | 2 | | Shape Analys | 4 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{194}$ | Γ(n,l=0) | 3.8 | 2 | 7.0 | 2 | | Shape Analys | 4 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{194}$ | gΓ(n,l=0) | 3.8 | 2 | 7.0 | 2 | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Pt^{194}$ | Γ | 3.8 | 2 | 7.0 | 2 | | Shape Analys | 4 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Pt^{194}$ | Resonance Energy | 3.8 | 2 | 7.0 | 2 | | Shape Analys* | 4 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{194}$ | Spin of Reson | 3.8 | 2 | 7.0 | 2 | | Shape Analys | 4 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Pt^{194}$ | Strength Fn(l=0) | 7.0 | 2 | 7.0 | 2 | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,γ) REACTION | | | | | | | | | | | |
| $Pt^{195}$ | Spectrum | 1.2 | 1 | 1.2 | 1 | Arb Units | γ-Spectromet | 2 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| $Pt^{195}$ | Spectrum | 1.2 | 1 | 6.8 | 2 | Arb Units | Ge(Li)Detect | 66 | 66PARIS/I- 175 | Oct66 | SAC | Samour,C.+ |
| | (n,p) REACTION | | | | | | | | | | | |
| $Pt^{195}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Pt^{195}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Pt^{195}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Tatel | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Pt^{195}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Pile Oscilat | 1 | ORNL-1879 50 | 55 | ORL | Pomerance. |
| $Pt^{195}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | 3 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | | |
| $Pt^{195}$ | Γ(γ) | 1.2 | 1 | 2.0 | 1 | | AreaAnalysis | 4 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Pt^{195}$ | Γ(γ) | 1.2 | 1 | 2.0 | 1 | | TimeOfFlight | 8 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Pt^{195}$ | Γ(γ) | 1.2 | 1 | 2.0 | 1 | | TimeOfFlight | 2 | PR 120 2090 | Dec60 | RPI | Waters,J.R. |
| $Pt^{195}$ | Γ(γ) | 1.2 | 1 | 7.8 | 2 | | Shape Analys | 36 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | | |
| $Pt^{195}$ | Γ(n) | 1.2 | 1 | 2.0 | 1 | | AreaAnalysis | 4 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Pt^{195}$ | Γ(n) | 1.2 | 1 | 2.0 | 1 | | TimeOfFlight | 8 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Pt^{195}$ | Γ(n) | 6.7 | 1 | 6.7 | 1 | | AreaAnalysis | 1 | OWEN 59B | Feb59 | BNL | Owen. |
| $Pt^{195}$ | Γ(n) | 1.2 | 1 | 2.0 | 1 | | TimeOfFlight | 2 | PR 120 2090 | Dec60 | RPI | Waters,J.R. |
| $Pt^{195}$ | Γ(n) | 6.7 | 1 | 6.7 | 1 | | AreaAnalysis | 1 | PRL 6 695 | 61 | ANL | Cote. |
| $Pt^{195}$ | Γ(n) | 1.2 | 1 | 8.3 | 2 | | Shape Analys | 42 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{195}$ | gΓ(n) | 1.2 | 1 | 8.3 | 2 | | Shape Analys | 45 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{195}$ | 2gΓ(n) | 1.2 | 1 | 1.9 | 1 | | AreaAnalysis | 2 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Pt^{195}$ | 2gΓ(n) | 1.2 | 1 | 1.5 | 2 | | AreaAnalysis | 6 | OWEN 59B | Feb59 | BNL | Owen. |
| $Pt^{195}$ | 2gΓ(n) | 2.0 | 1 | 1.2 | 2 | | TimeOfFlight | 3 | BAP 4 472 | Oct59 | BNL | Zimmerman,R.L.+ |
| $Pt^{195}$ | 2gΓ(n) | 6.7 | 1 | 3.1 | 2 | | Shape Analys | 15 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| $Pt^{195}$ | 2gΓ(n) | 6.7 | 1 | 8.3 | 2 | | Shape Analys | 40 | BAP 11 337 | 66 | SAC | Julien. |
| $Pt^{195}$ | agΓ(n) | 3.8 | 2 | 8.3 | 2 | | Shape Analys | 24 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{195}$ | Γ(n,l=0) | 6.7 | 1 | 6.7 | 1 | | AreaAnalysis | 1 | OWEN 59B | Feb59 | BNL | Owen. |
| $Pt^{195}$ | Γ(n,l=0) | 6.7 | 1 | 6.7 | 1 | | AreaAnalysis | 1 | PRL 6 695 | 61 | ANL | Cote. |
| $Pt^{195}$ | Γ(n,l=0) | -1.4 | 1 | -1.4 | 1 | | TimeOfFlight | 2 | PRL 6 695 | 61 | ANL | Cote. |
| $Pt^{195}$ | Γ(n,l=0) | 6.7 | 1 | 3.1 | 2 | | Shape Analys | 14 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| $Pt^{195}$ | Γ(n,l=0) | 1.2 | 1 | 8.3 | 2 | | Shape Analys | 43 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{195}$ | gΓ(n,l=0) | 1.2 | 1 | 8.3 | 2 | | Shape Analys | 44 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{195}$ | 2gΓ(n,l=0) | 1.2 | 1 | 1.9 | 1 | | AreaAnalysis | 2 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Pt^{195}$ | 2gΓ(n,l=0) | 1.2 | 1 | 1.5 | 2 | | AreaAnalysis | 5 | OWEN 59B | Feb59 | BNL | Owen. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | |
| $Pt^{195}$ | $2g\Gamma(n,l=0)$ | 2.0 | 1 | 1.2 | 2 | | | TimeOfFlight | 2 | BAP 4 472 | Oct59 | BNL | Zimmerman,R.L.+ |
| $Pt^{195}$ | $2g\Gamma(n,l=0)$ | 6.7 | 1 | 8.3 | 2 | | | Shape Analys | 34 | BAP 11 337 | 66 | SAC | Julien. |
| $Pt^{195}$ | $ag\Gamma(n,l=0)$ | 6.9 | 2 | 7.9 | 2 | | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Pt^{195}$ | $\Gamma$ | 1.2 | 1 | 2.0 | 1 | | | AreaAnalysis | 2 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Pt^{195}$ | $\Gamma$ | 1.2 | 1 | 2.0 | 1 | | | TimeOfFlight | 4 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Pt^{195}$ | $\Gamma$ | 1.2 | 1 | 8.3 | 2 | | | Shape Analys | 40 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{195}$ | $\Gamma^2\sigma(0)$ | 1.1 | 1 | 1.1 | 1 | | | AreaAnalysis | 1 | PR 71 165 | Feb47 | COL | Havens,J.R.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Pt^{195}$ | Resonance Energy | 6.8 | 1 | 6.8 | 1 | | | TimeOfFlight | 6 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Pt^{195}$ | Resonance Energy | 6.7 | 1 | 1.5 | 2 | | | TimeOfFlight | 6 | ANL-6072 4 | 59 | ANL | Thomas. |
| $Pt^{195}$ | Resonance Energy | 4.8 | 3 | 5.9 | 3 | | | TimeOfFlight | 3 | CR 249 413 | 59 | SAC | Corge,C.+ |
| $Pt^{195}$ | Resonance Energy | 1.1 | 2 | 4.5 | 2 | | | CaptureGamma | 7 | NP 14 212 | 59 | HAR | Bird,J.R.+ |
| $Pt^{195}$ | Resonance Energy | 6.8 | 1 | 1.2 | 2 | | | TimeOfFlight | 2 | NP 14 212 | 59 | HAR | Bird,J.R.+ |
| $Pt^{195}$ | Resonance Energy | 6.7 | 1 | 6.7 | 1 | | | TimeOfFlight | 2 | PR 124 1142 | Nov61 | ANL | Jackson,H.E.+ |
| $Pt^{195}$ | Resonance Energy | 1.2 | 1 | 8.3 | 2 | | | Shape Analys* | 45 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{195}$ | $\sigma(0)$ | 1.1 | 2 | 3.0 | 2 | | | TimeOfFlight | 10 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| $Pt^{195}$ | $\sigma(0)$ | 6.7 | 1 | 3.1 | 2 | | | Shape Analys | 13 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| $Pt^{195}$ | Spin of Reson | 1.2 | 2 | 1.2 | 2 | | | AreaAnalysis | 1 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Pt^{195}$ | Spin of Reson | 6.9 | 1 | 6.1 | 2 | | | TimeOfFlight | 14 | CR 249 413 | 59 | SAC | Corge,C.+ |
| $Pt^{195}$ | Spin of Reson | 2.0 | 1 | 2.9 | 3 | | | CaptureGamma | 7 | NP 14 212 | 59 | HAR | Bird,J.R.+ |
| $Pt^{195}$ | Spin of Reson | 1.2 | 1 | 6.8 | 1 | | | TimeOfFlight | 3 | PRL 3 376 | 59 | ANL | Cote,R.E.+ |
| $Pt^{195}$ | Spin of Reson | 1.2 | 1 | 6.8 | 1 | | | TimeOfFlight | 3 | BAP 4 34 | Jan59 | BNL | Brussel. |
| $Pt^{195}$ | Spin of Reson | 2.0 | 1 | 1.1 | 3 | | | TimeOfFlight | 10 | BAP 4 472 | Oct59 | BNL | Zimmerman,R.L.+ |
| $Pt^{195}$ | Spin of Reson | 1.2 | 1 | 2.0 | 1 | | | TimeOfFlight | 2 | NP 14 693 | 60 | YAL | Draper,J.E.+ |
| $Pt^{195}$ | Spin of Reson | 1.2 | 1 | 6.8 | 1 | | | CaptureGamma | 4 | ZET 38 1446 | 60 | CCP | Galanina. |
| $Pt^{195}$ | Spin of Reson | 1.2 | 1 | 2.0 | 1 | | | TimeOfFlight | 2 | PR 120 2090 | Dec60 | RPI | Waters,J.R. |
| $Pt^{195}$ | Spin of Reson | 1.2 | 1 | 3.0 | 2 | | | CaptureGamma | 15 | PR 127 1680 | Sep62 | BNL | Chrien. |
| $Pt^{195}$ | Spin of Reson | 1.2 | 1 | 6.7 | 1 | | | CaptureGamma | 3 | ZET 45 875 | 63 | CCP | Ignatiev. |
| $Pt^{195}$ | Spin of Reson | 1.2 | 1 | 1.9 | 2 | | | TimeOfFlight | 9 | PR 132 1640 | Nov63 | ANL | Bollinger,L.M.+ |
| $Pt^{195}$ | Spin of Reson | 1.2 | 1 | 8.3 | 2 | | | Shape Analys | 42 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Pt^{195}$ | Strength Fn(l=0) | 1.6 | 2 | 1.6 | 2 | | | | 1 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| $Pt^{195}$ | Strength Fn(l=0) | 3.0 | 2 | 3.0 | 2 | | | Breit-Wigner | 1 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| $Pt^{195}$ | Strength Fn(l=0) | 3.0 | 2 | 3.0 | 2 | | | Breit-Wigner | 2 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| $Pt^{195}$ | Strength Fn(l=0) | 8.2 | 2 | 8.2 | 2 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | |
| $Pt^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Ion Chamber | 1 | 55CLEVE-203 | Dec55 | ORL | Brooksbank. |
| $Pt^{196}$ | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Pt^{196}$ | Sigma | 2.0 | 4 | 2.0 | 4 | N | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Pt^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Activation | 1 | NP 36 542 | Aug62 | MUA | Mangal,S.K.+ |
| $Pt^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 3 | PR 128 761 | Oct62 | BNL | Sehgal. |
| $Pt^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | NYO-10175 | 64 | UCB | Arino. |
| $Pt^{196}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Pt^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| $Pt^{196}$ | Reson Integral | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Pt^{196}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation * | 1 | APA 23 185 | May66 | IRK | Vonach,H.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Pt^{196}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Pt^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pile Oscilat | 1 | ORNL-1879 50 | 55 | ORL | Pomerance. |
| $Pt^{196}$ | Sigma | 1.1 | 2 | 3.0 | 2 | | Absolute | TimeOfFlight | 10 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| | $\gamma$-WIDTH | | | | | | | | | | | | |
| $Pt^{196}$ | $\Gamma(\gamma)$ | 1.1 | 2 | 3.0 | 2 | | Absolute | TimeOfFlight | 10 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| $Pt^{196}$ | $\Gamma(\gamma)$ | 3.0 | 2 | 6.6 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | | | |
| $Pt^{196}$ | $\Gamma(n)$ | 1.1 | 2 | 3.0 | 2 | | Absolute | TimeOfFlight | 10 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| $Pt^{196}$ | $\Gamma(n)$ | 5.7 | 2 | 5.7 | 2 | | | Shape Analys | 1 | BAP 11 337 | 66 | SAC | Julien. |
| $Pt^{196}$ | $\Gamma(n)$ | 3.0 | 2 | 5.7 | 2 | | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{196}$ | $g\Gamma(n)$ | 3.0 | 2 | 5.7 | 2 | | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{196}$ | $ag\Gamma(n)$ | 3.0 | 2 | 6.6 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{196}$ | $\Gamma(n,l=0)$ | 1.1 | 2 | 3.0 | 2 | | Absolute | TimeOfFlight | 10 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| $Pt^{196}$ | $\Gamma(n,l=0)$ | 5.7 | 2 | 5.7 | 2 | | | Shape Analys | 1 | BAP 11 337 | 66 | SAC | Julien. |
| $Pt^{196}$ | $\Gamma(n,l=0)$ | 3.0 | 2 | 5.7 | 2 | | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{196}$ | $ag\Gamma(n,l=0)$ | 3.0 | 2 | 6.6 | 2 | | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Pt^{196}$ | $\Gamma$ | 1.1 | 2 | 3.0 | 2 | | Absolute | TimeOfFlight | 10 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| $Pt^{196}$ | $\Gamma$ | 3.0 | 2 | 6.6 | 2 | | | Shape Analys | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Pt^{196}$ | Resonance Energy | 3.0 | 2 | 6.6 | 2 | | | * | 3 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{196}$ | Spin of Reson | 1.1 | 2 | 3.0 | 2 | | Absolute | TimeOfFlight | 10 | JPR 21 426 | May60 | SAC | Corge,C.+ |
| $Pt^{196}$ | Spin of Reson | 3.0 | 2 | 5.7 | 2 | | | Shape Analys | 2 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | |
| $Pt^{198}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Pt^{198}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Pt^{198}$ | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Pt^{198}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 2 | NYO-10175 | 64 | UCB | Arino. |
| $Pt^{198}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Pt^{198}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |
| $Pt^{198}$ | Reson Integral | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Activation * | 1 | JNE 25 129 | Mar71 | NPL | Ryves,T.B. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION | | | | | | | | | | |
| $Pt^{198}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Pt^{198}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | 2 | NP 69 158 | Jul65 | MUA | Mangal,S.K.+ |
| $Pt^{198}$ | Sigma | 1.3 7 | 1.8 7 | | Absolute | Activation * | 20 | BISSEM 70A | Jan70 | HAM | Bissem,H.+ |
| $Pt^{198}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 3 | NP A158 77 | Dec70 | IRK | Winiwarter,P. |
| $Pt^{198}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation * | 1 | NP A158 77 | Dec70 | IRK | Winiwarter,P. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pt^{198}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | ORNL-1879 50 | 55 | ORL | Pomerance. |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Pt^{198}$ | $\Gamma(\gamma)$ | 9.6 1 | 9.6 1 | | | TimeOfFlight | 1 | PR 120 2090 | Dec60 | RPI | Waters,J.R. |
| $Pt^{198}$ | $\Gamma(\gamma)$ | 9.6 1 | 9.6 1 | | | Shape Analys | 1 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | |
| $Pt^{198}$ | $\Gamma(n)$ | 9.6 1 | 9.6 1 | | | TimeOfFlight | 1 | PR 120 2090 | Dec60 | RPI | Waters,J.R. |
| $Pt^{198}$ | $\Gamma(n)$ | 6.9 2 | 6.9 2 | | | Shape Analys | 1 | BAP 11 337 | 66 | SAC | Julien. |
| $Pt^{198}$ | $\Gamma(n)$ | 9.6 1 | 9.6 1 | | | Shape Analys | 1 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{198}$ | $g\Gamma(n)$ | 9.6 1 | 9.6 1 | | | Shape Analys | 1 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{198}$ | $2g\Gamma(n)$ | 9.5 1 | 9.5 1 | | | TimeOfFlight | 1 | ZIMMERMAN 57H | Aug57 | BNL | Zimmerman. |
| $Pt^{198}$ | $\Gamma(n,l=0)$ | 9.5 1 | 9.5 1 | | | TimeOfFlight | 1 | ZIMMERMAN 57H | Aug57 | BNL | Zimmerman. |
| $Pt^{198}$ | $\Gamma(n,l=0)$ | 6.9 2 | 6.9 2 | | | Shape Analys | 1 | BAP 11 337 | 66 | SAC | Julien. |
| $Pt^{198}$ | $\Gamma(n,l=0)$ | 9.6 1 | 9.6 1 | | | Shape Analys | 1 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{198}$ | $g\Gamma(n,l=0)$ | 9.6 1 | 9.6 1 | | | Shape Analys | 1 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Pt^{198}$ | $\Gamma$ | 6.9 2 | 6.9 2 | | | Shape Analys | 1 | BAP 11 337 | 66 | SAC | Julien. |
| $Pt^{198}$ | $\Gamma$ | 9.6 1 | 9.6 1 | | | Shape Analys | 1 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Pt^{198}$ | Resonance Energy | 9.6 1 | 9.6 7 | | | TimeOfFlight | 2 | PR 108 353 | Oct57 | BNL | Ahn,S.H.+ |
| $Pt^{198}$ | Resonance Energy | 9.6 1 | 9.6 1 | | | TimeOfFlight | 1 | ANL-6072 4 | 59 | ANL | Thomas. |
| $Pt^{198}$ | Resonance Energy | 9.8 1 | 9.8 1 | | | TimeOfFlight | 1 | NP 14 212 | 59 | HAR | Bird,J.R.+ |
| $Pt^{198}$ | Resonance Energy | 9.6 1 | 9.6 1 | | | Shape Analys* | 1 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Pt^{198}$ | Spin of Reson | 9.6 1 | 9.6 1 | | | Shape Analys | 1 | CEA/R-3385 | Feb68 | SAC | Julien,J. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION | | | | | | | | | | |
| $Au^{196}$ | Sigma | 1.4 7 | 1.5 7 | | Ratio | * | 11 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | Iron | ReactivityCo | 1 | DP- 207 | Feb57 | SRL | Wade. |
| $Au^{197}$ | Sigma | 2.4 4 | 2.4 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Au^{197}$ | Sigma | 2.0 4 | 2.0 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Au^{197}$ | Sigma | 2.1 4 | 2.5 4 | | $I^{127}$ | Activation | 2 | AE 5 564 | Nov58 | CCP | Kononov,V.N.+ |
| $Au^{197}$ | Sigma | 1.8 5 | 1.8 5 | | $U^{235}$(n,f) | Activation | 1 | PR 113 256 | Jan59 | LAS | Bame. |
| $Au^{197}$ | Sigma | 1.8 5 | 1.8 5 | N | $U^{235}$(n,f) | Activation | 1 | PR 113 256 | Jan59 | LAS | Bame. |
| $Au^{197}$ | Sigma | 1.9 5 | 1.9 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Au^{197}$ | Sigma | 1.5 5 | 1.0 6 | | H(n,n) | Activation | 3 | JNE 10 19 | Jul59 | HAR | Ferguson,A.T.G.+ |
| $Au^{197}$ | Sigma | 1.4 5 | 5.4 6 | | $U^{235}$(n,f) | Activation | 21 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Au^{197}$ | Sigma | 1.4 5 | 1.0 6 | N | $U^{235}$(n,f) | Activation | 12 | PR 116 927 | Nov59 | WIS | Johnsrud. |
| $Au^{197}$ | Sigma | 2.4 4 | 8.3 5 | | | Shell Trans | 3 | AE 8 549 | 60 | CCP | Belanova. |
| $Au^{197}$ | Sigma | 1.6 3 | 2.0 5 | | | Activation | 13 | AP 10 455 | 60 | DKE | Bilpuch. |
| $Au^{197}$ | Sigma | 1.6 3 | 2.0 5 | N | | Activation | 13 | AP 10 455 | 60 | DKE | Bilpuch. |
| $Au^{197}$ | Sigma | 2.4 4 | 2.4 4 | S | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| $Au^{197}$ | Sigma | 1.7 5 | 1.0 6 | | $U^{235}$(n,f) | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| $Au^{197}$ | Sigma | 9.4 3 | 1.7 5 | | Indium | Scint Tank | 55 | PR 122 182 | Apr61 | ORL | Gibbons. |
| $Au^{197}$ | Sigma | 8.4 4 | 1.6 5 | N | Indium | Scint Tank | 10 | PR 122 182 | Apr61 | ORL | Gibbons. |
| $Au^{197}$ | Sigma | 3.0 4 | 1.5 5 | | Boron | Activation | 5 | PR 122 1280 | May61 | ANL | Cox,S.A. |
| $Au^{197}$ | Sigma | 2.0 5 | 1.5 6 | | $U^{235}$(n,f) | Activation | 15 | PR 122 1280 | May61 | ANL | Cox,S.A. |
| $Au^{197}$ | Sigma | 3.0 4 | 1.5 5 | S | Boron | Activation | 6 | PR 122 1280 | May61 | ANL | Cox,S.A. |
| $Au^{197}$ | Sigma | 2.0 5 | 1.5 6 | S | $U^{235}$(n,f) | Activation | 15 | PR 122 1280 | May61 | ANL | Cox,S.A. |
| $Au^{197}$ | Sigma | 2.3 2 | 7.6 3 | | | Scint Tank | 42 | 61SACLAY-203 | Jul61 | ORL | Block. |
| $Au^{197}$ | Sigma | 3.0 4 | 6.4 4 | | | Activation | 2 | PR 123 948 | Aug61 | ORL | Weston. |
| $Au^{197}$ | Sigma | 1.0 -3 | 2.5 -3 | | Absolute | TimeOfFlight* | 21 | NUK 4 165 | Jun62 | BUC | Teutsch,H.+ |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | Extrapolatn * | 1 | NUK 4 165 | Jun62 | BUC | Teutsch,H.+ |
| $Au^{197}$ | Sigma | 6.9 4 | 4.0 6 | | | Activation | 20 | PR 128 2717 | Dec62 | LRL | Miskel. |
| $Au^{197}$ | Sigma | 3.2 4 | 1.8 5 | | $U^{235}$(n,f) | Activation | 6 | PR 128 2717 | Dec62 | LRL | Miskel. |
| $Au^{197}$ | Sigma | 3.2 4 | 1.8 5 | N | $U^{235}$(n,f) | Activation | 6 | PR 128 2717 | Dec62 | LRL | Miskel. |
| $Au^{197}$ | Sigma | 1.8 4 | 3.0 5 | | Silver | CrystalScint* | 8 | AP 23 425 | 63 | FOA | Bergqvist. |
| $Au^{197}$ | Sigma | 3.0 4 | 3.0 4 | | | TimeOfFlight | 1 | NP 43 353 | 63 | ORL | Macklin. |
| $Au^{197}$ | Sigma | 1.8 -1 | 4.1 4 | | σ(Thermal) | Slowing-Down | 99 | ZET 46 80 | 63 | LEB | Konks. |
| $Au^{197}$ | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | EANDC- 33 41 | Sep63 | ORL | Schmitt. |
| $Au^{197}$ | Sigma | 3.0 4 | 3.0 4 | | | ManganesBath | 1 | EANDC- 33 87 | Sep63 | KFK | Poenitz,W.P.+ |
| $Au^{197}$ | Sigma | 1.0 -2 | 3.5 4 | | | Liquid Scint | 210 | NIM 31 125 | 64 | GA | Haddad. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Fission Det | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Ion Chamber | 3 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| $Au^{197}$ | Sigma | 1.3 5 | 1.8 6 | | | Activation | 11 | JNE 18 491 | Sep64 | ALD | Barry,J.F. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Activation | 2 | AE 17 294 | Oct64 | CCP | Batyrbekov,G.A.+ |
| $Au^{197}$ | Sigma | 2.4 4 | 2.4 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| $Au^{197}$ | Sigma | 1.0 -2 | 8.0 0 | | σ(E≠E(th)) | Scint Tank | 34 | GA-6832 | Jan65 | GA | Priesenhahn. |
| $Au^{197}$ | Sigma | 2.4 4 | 2.4 4 | | $I^{127}$ | Activation * | 1 | NP 66 267 | May65 | MUA | Chaubey,A.K.+ |
| $Au^{197}$ | Sigma | 1.3 4 | 6.8 5 | | Absolute | CrystalScint | 15 | NP 69 37 | Jul65 | LOK | Harris. |
| $Au^{197}$ | Sigma | 2.5 -2 | 3.0 4 | | $Pu^{239}$ | Activation | 2 | AE 19 292 | Sep65 | CCP | Stavisskii,Yu.Ya.+ |
| $Au^{197}$ | Sigma | 1.0 5 | 1.0 5 | | $Pu^{239}$ | Shell Trans | 1 | AE 19 292 | Sep65 | CCP | Stavisskii,Yu.Ya.+ |
| $Au^{197}$ | Sigma | 1.4 5 | 1.2 6 | | $U^{235}$(n,f) | Activation | 12 | EANDC/US- 79 72 | Oct65 | LOK | Grench,H.A.+ |
| $Au^{197}$ | Sigma | 3.0 4 | 6.4 4 | | Absolute | Activation | 4 | JNE 20 825 | Oct66 | KFK | Poenitz,W.P. |
| $Au^{197}$ | Sigma | 3.0 4 | 3.0 4 | | Ratio | | 1 | JNE 20 825 | Oct66 | KFK | Poenitz,W.P. |
| $Au^{197}$ | Sigma | 3.0 4 | 6.4 4 | C | Absolute | Activation | 3 | JNE 20 825 | Oct66 | KFK | Poenitz,W.P. |
| $Au^{197}$ | Sigma | 3.0 4 | 3.0 4 | C | Ratio | | 1 | JNE 20 825 | Oct66 | KFK | Poenitz,W.P. |
| $Au^{197}$ | Sigma | 3.0 4 | 3.0 4 | | Absolute | Activation | 1 | 66PARIS/I- 277 | Oct66 | KFK | Poenitz,W.P. |
| $Au^{197}$ | Sigma | 1.1 4 | 1.7 5 | N | σ(E≠E(th)) | Scint Tank | 73 | 66PARIS/I- 513 | Oct66 | KFK | Kompe,D. |
| $Au^{197}$ | Sigma | 3.0 4 | 3.0 4 | C | | | 1 | EANDC/E- 76 13 | Jan67 | KFK | Poenitz,W.P. |
| $Au^{197}$ | Sigma | 1.3 5 | 1.8 5 | | $Ta^{181}$ | Liquid Scint | 3 | PR 159 1007 | Jul67 | ORL | Macklin. |
| $Au^{197}$ | Sigma | 3.0 6 | 3.0 6 | | | Activation * | 1 | JNE 21 797 | Oct67 | DEB | Peto. |
| $Au^{197}$ | Sigma | 1.0 4 | 1.6 5 | | σ(E≠E(th)) | Scint Tank | 72 | KFK- 635 | Oct67 | KFK | Poenitz,W.P.+ |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | JNE 22 191 | Apr68 | GA | Priesenhahn. |
| $Au^{197}$ | Sigma | 1.5 4 | 5.6 4 | | Indium | TimeOfFlight* | 18 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| $Au^{197}$ | Sigma | 9.7 5 | 9.7 5 | | Absolute | Coincidences* | 1 | JNE 23 205 | Apr69 | NPL | Robertson,J.C.+ |
| $Au^{197}$ | Sigma | 9.6 2 | 1.1 6 | | | TimeOfFlight* | 95 | 70HELSNK/II-265 | Jun70 | GA | Fricke,M.P.+ |
| $Au^{197}$ | Sigma | 2.3 4 | 2.3 4 | | Absolute | Activation * | 1 | JNE 25 557 | Nov71 | NPL | Ryves,T.B.+ |
| $Au^{197}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Proportion C* | 1 | JNE 11 101 | Feb60 | AE | Jirlow,K.+ |
| $Au^{197}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | WASH-1041 37 | Oct62 | MTR | Berreth. |
| $Au^{197}$ | Spectrum | 4.9 0 | 4.9 0 | | Arb Units | γ-Spectromet | 4 | JAERI-1073 | Mar65 | JAE | Kawarasaki,Y. |
| $Au^{197}$ | Spectrum | 2.5 -2 | 2.5 -2 | | Absolute | γ-Spectromet | 53 | BAS 29 766 | May65 | CCP | Groshev,L.V.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Au^{197}$ | Sigma | 4.1 6 | 4.1 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| $Au^{197}$ | Sigma | 5.0 5 | 5.0 5 | | | Diff Sig Int | 1 | PR 104 731 | Nov56 | LAS | Allen. |
| $Au^{197}$ | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| $Au^{197}$ | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 26 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| $Au^{197}$ | Sigma | 8.0 6 | 8.0 6 | C | H(n,n) | TimeOfFlight* | 1 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| $Au^{197}$ | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Au^{197}$ | Ang Distrib | 4.1 6 | 4.1 6 | | | Biased Scint | 13 | PR 98 677 | May55 | LAS | Walt,M.+ |
| $Au^{197}$ | Ang Distrib | 5.0 5 | 5.0 5 | | | RecoilChambr | 9 | PR 104 731 | Nov56 | LAS | Allen. |
| $Au^{197}$ | Ang Distrib | 4.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 3 | PR 129 1649 | Feb63 | LAS | Thomson. |
| $Au^{197}$ | Ang Distrib | 5.0 5 | 2.5 6 | | | | 71 | DAY 65G | Jul65 | LAS | Day. |
| $Au^{197}$ | Ang Distrib | 5.0 6 | 5.0 6 | | σ(Total) | TimeOfFlight | 13 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| $Au^{197}$ | Ang Distrib | 6.0 5 | 1.6 6 | | | Biased Scint | 62 | PR 176 1405 | Dec68 | ANL | Kuchnir. |
| $Au^{197}$ | Ang Distrib | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 20 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| $Au^{197}$ | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 130 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| $Au^{197}$ | Legendre Fit | 8.0 6 | 8.0 6 | | H(n,n) | TimeOfFlight* | 12 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| $Au^{197}$ | Sigma | 3.0 5 | 1.6 6 | | Carbon | TimeOfFlight | 112 | ZP 183 323 | Mar65 | ANL | De Villiers. |
| $Au^{197}$ | Sigma | 1.3 7 | 1.6 7 | | H(n,n) | Activation | 12 | EANDC/E- 76 51 | Jan67 | HAM | Bormann,M.+ |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | OAW 176 227 | 68 | IRK | Bornemisza-Pauspertl |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | $Pr^{141}$ | Activation * | 1 | AHP 25 91 | Oct68 | DEB | Peto,G.+ |
| $Au^{197}$ | Ang Distrib | 4.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 2 | PR 129 1649 | Feb63 | LAS | Thomson. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **INEL SCATTERING (CONTINUED)** | | | | | | | | | | |
| $Au^{197}$ | Ang Distrib | 1.3 5 | 1.5 6 | | Carbon | TimeOfFlight* | 214 | NP A107 612 | Jan68 | PEL | Barnard,E.+ |
| | **(n,n'γ) REACTION** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 4.5 5 | 1.4 6 | | | Ring Geomtry | 48 | AP 12 485 | 61 | LAS | Lind. |
| $Au^{197}$ | Ang Distrib | 2.5 6 | 2.5 6 | | $Co^{59}$ | | 6 | SCHERRER 55J | Oct55 | NRL | Scherrer. |
| | **ELASTIC+INELASTIC** | | | | | | | | | | |
| $Au^{197}$ | σ/σ(Total) | 7.1 -1 | 1.2 1 | | Absolute | TimeOfFlight | 32 | PR 83 746 | Aug51 | COL | Tittman. |
| $Au^{197}$ | σ/σ(Total) | 7.4 0 | 1.2 1 | S | Absolute | TimeOfFlight | 5 | PR 83 746 | Aug51 | COL | Tittman. |
| $Au^{197}$ | Ang Distrib | 3.0 4 | 1.0 6 | | Carbon | ModeratrTank | 65 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | **MISC SCATT QUANT** | | | | | | | | | | |
| $Au^{197}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Au^{197}$ | σ(Potential) | 3.1 1 | 3.1 1 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| $Au^{197}$ | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Au^{197}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Au^{197}$ | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Au^{197}$ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| | **(n,2n) REACTION** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| $Au^{197}$ | Sigma | 8.4 6 | 1.5 7 | | | Activation | 30 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Au^{197}$ | Sigma | 1.2 7 | 2.0 7 | | $U^{238}(n,f)$ | Activation | 24 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,p) | Activation | 2 | NP 69 158 | Jul65 | MUA | Mangal,S.K.+ |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | Ratio | | 1 | YF 6 17 | Jul67 | DUB | Flerov. |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | * | 1 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | * | 1 | EANDC/E- 89 37 | Feb68 | MUN | Vonach,H.K.+ |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Ratio | Activation | 1 | 68WASH- 885 | Mar68 | MUN | Vonach,H.K.+ |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 2 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | | Ge(Li)Detect | 2 | BAP 13 1421 | Nov68 | GIT | De Volpi. |
| | **(n,3n) REACTION** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | **(n,p) REACTION** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | PR 106 965 | Jun57 | BRN | Peck. |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| $Au^{197}$ | Sigma | 1.2 7 | 1.4 7 | | | Activation | 3 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Au^{197}$ | Sigma | 1.2 7 | 2.0 7 | | | Activation | 15 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Au^{197}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 39 | PR 106 965 | Jun57 | BRN | Peck. |
| $Au^{197}$ | Ang Distrib | 1.5 7 | 1.5 7 | | Ratio | Biased Scint | 1 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| $Au^{197}$ | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | Proportion C | 16 | NP 47 473 | Sep63 | MUA | Hans,H.S.+ |
| | **p-EMISSION** | | | | | | | | | | |
| $Au^{197}$ | Spectrum | 1.5 7 | 1.5 7 | | Arb Units | Biased Scint | 38 | NC 7 400 | Feb58 | CIS | Colli,L.+ |
| | **(n,t) REACTION** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | **(n,$He^3$) REACTION** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | **(n,alpha) REACTION** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| $Au^{197}$ | Sigma | 7.0 6 | 2.0 7 | | | Activation | 15 | JIN 23 173 | 61 | LAS | Prestwood. |
| $Au^{197}$ | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | Solidstate C | 12 | NP 46 51 | Jul63 | CIS | Marcazzan,G.M.+ |
| $Au^{197}$ | (θ,E)-Distrib | 1.5 7 | 1.5 7 | | Absolute | Solidstate C | 14 | NP A149 513 | Jul70 | TIT | Kitazawa,H. |
| | **(n,n alpha) REACT** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.5 7 | 1.5 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | **ABSORPTION X-SECT** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | PR 92 716 | Nov53 | BNL | Carter. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | JNE 1 57 | 54 | HAR | Egelstaff. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | Silver | Pile Oscilat | 1 | AERE/R-2333 | 57 | HAR | Cummins. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | NSE 8 453 | 60 | COL | Gould. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | 61BUCAREST-1136 | Nov61 | POL | Bouzyk. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | KE 6 336 | Oct63 | ROS | Huettel,G.+ |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | C | Absolute | Total * | 1 | PR 133B 925 | Feb64 | RIS | Als-Nielsen,J.+ |
| | **NONELASTIC SCATT** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 88 600 | Nov52 | LAS | Phillips,D.D.+ |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| $Au^{197}$ | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| $Au^{197}$ | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| $Au^{197}$ | Sigma | 1.0 6 | 4.5 6 | | Absolute | Shell Trans | 3 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| $Au^{197}$ | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| $Au^{197}$ | Sigma | 5.0 5 | 5.0 5 | | | Total | 1 | PR 104 731 | Nov56 | LAS | Allen. |
| $Au^{197}$ | Sigma | 1.0 6 | 7.0 6 | | Absolute | Shell Trans | 5 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| $Au^{197}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight* | 11 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | **TOTAL CROSS-SECT** | | | | | | | | | | |
| $Au^{197}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $Au^{197}$ | Sigma | 9.5 4 | 3.0 6 | | Absolute | Accelerator | 18 | PR 89 1271 | Mar53 | WIS | Walt. |
| $Au^{197}$ | Sigma | 9.8 4 | 7.2 5 | | Absolute | Accelerator | 84 | PR 90 615 | May53 | BAR | Snowdon,S.C.+ |
| $Au^{197}$ | Sigma | 1.2 -3 | 3.9 -2 | | Absolute | TimeOfFlight | 70 | PR 92 716 | Nov53 | BNL | Carter. |
| $Au^{197}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Total | 1 | JNE 1 57 | 54 | HAR | Egelstaff. |
| $Au^{197}$ | Sigma | 2.8 6 | 1.3 7 | | Absolute | Ion Chamber | 31 | PR 94 1678 | Jun54 | LAS | Nereson. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | |
| Au197 | Sigma | 1.4 -3 | 1.4 -1 | | Absolute | TimeOfFlight | 76 | EGELSTAFF 54L | Dec54 | HAR | Egelstaff. |
| Au197 | Sigma | 5.1 -3 | 8.2 -2 | | Absolute | Crystal Spec | 16 | PR 96 1297 | Dec54 | ORL | Allen. |
| Au197 | Sigma | 5.7 1 | 6.3 1 | | Absolute | TimeOfFlight | 15 | BOLLINGER 55A | Jan55 | ANL | Bollinger. |
| Au197 | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Au197 | Sigma | 7.2 6 | 2.6 7 | S | Absolute | Biased Scint | 5 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Au197 | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 6 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Au197 | Sigma | 7.3 0 | 5.4 1 | | | TimeOfFlight | 31 | PR 110 692 | May58 | BNL | Seth. |
| Au197 | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Au197 | Sigma | 3.1 1 | 5.1 2 | | Absolute | TimeOfFlight | 310 | BLOCK 59H | Aug59 | ORL | Block. |
| Au197 | Sigma | 5.0 3 | 2.9 5 | | Absolute | Accelerator | 61 | BILPUCH 59I | Sep59 | DKE | Bilpuch. |
| Au197 | Sigma | 6.2 -4 | 3.3 -3 | | Absolute | Crystal Spec | 13 | NSE 8 453 | 60 | COL | Gould. |
| Au197 | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 5 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Au197 | Sigma | 3.0 -4 | 1.1 1 | | Absolute | Crystal Spec* | 18 | PR 133B 925 | Feb64 | RIS | Als-Nielsen,J.+ |
| Au197 | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Au197 | Sigma | 5.0 3 | 6.4 5 | | Absolute | Accelerator | 94 | PL 16 306 | Jun65 | DKE | Seth. |
| Au197 | Sigma | 5.0 5 | 4.1 6 | | Absolute | | 4 | DAY 65G | Jul65 | LAS | Day. |
| Au197 | Sigma | 1.0 5 | 6.5 5 | | Absolute | | 272 | ANL-7210 16 | Jun66 | ANL | Whalen,J.F.+ |
| Au197 | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 251 | FOSTER 67E | May67 | BNW | Foster. |
| Au197 | Sigma | 5.3 -7 | 5.3 -7 | | Absolute | TimeOfFlight* | 1 | PL B 29 33 | Mar69 | MUN | Steyerl,A. |
| | γ-WIDTH | | | | | | | | | | |
| Au197 | Γ(γ) | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| Au197 | Γ(γ) | 6.0 1 | 5.8 7 | | | AreaAnalysis | 28 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Au197 | Γ(γ) | 6.0 1 | 5.5 2 | | | AreaAnalysis | 17 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| Au197 | Γ(γ) | 4.9 0 | 1.0 3 | | | Shape Analys | 49 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Au197 | Γ(γ) | 4.9 0 | 4.9 0 | | | Shape Analys* | 1 | CEA/NOTE-1230 | Dec69 | SAC | Tellier,H.+ |
| | n-WIDTH | | | | | | | | | | |
| Au197 | Γ(n) | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 83 746 | Aug51 | COL | Tittman. |
| Au197 | Γ(n) | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| Au197 | Γ(n) | 6.0 1 | 5.5 2 | | | AreaAnalysis | 17 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| Au197 | Γ(n) | 4.9 0 | 4.9 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| Au197 | Γ(n) | 4.9 0 | 1.0 3 | | | Shape Analys | 43 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Au197 | Γ(n) | 4.9 0 | 4.9 0 | | | AreaAnalysis | 1 | NIM 60 113 | Mar68 | TRM | |
| Au197 | Γ(n) | 4.9 0 | 4.9 0 | | | Shape Analys* | 1 | CEA/NOTE-1230 | Dec69 | SAC | Tellier,H.+ |
| Au197 | gΓ(n) | 4.9 0 | 1.0 3 | | | Shape Analys | 61 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Au197 | 2gΓ(n) | 6.1 1 | 1.9 2 | | | AreaAnalysis | 6 | PR 95 476 | Jul54 | BNL | Seidl. |
| Au197 | 2gΓ(n) | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| Au197 | 2gΓ(n) | 4.6 1 | 4.6 1 | | | AreaAnalysis | 1 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| Au197 | 2gΓ(n) | 6.1 0 | 2.7 2 | | | AreaAnalysis | 10 | BAP 3 177 | May58 | ORL | Slaughter,G.G.+ |
| Au197 | 2gΓ(n) | 4.7 1 | 9.4 2 | | | AreaAnalysis | 55 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Au197 | 2gΓ(n) | 4.6 1 | 3.7 2 | | | TimeOfFlight | 7 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| Au197 | Γ(n,l=0) | 4.9 0 | 1.0 3 | | | Shape Analys | 44 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Au197 | gΓ(n,l=0) | 4.9 0 | 1.0 3 | | | Shape Analys | 58 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Au197 | 2gΓ(n,l=0) | 6.1 1 | 1.9 2 | | | AreaAnalysis | 6 | PR 95 476 | Jul54 | BNL | Seidl. |
| Au197 | 2gΓ(n,l=0) | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| Au197 | 2gΓ(n,l=0) | 4.6 1 | 4.6 1 | | | AreaAnalysis | 1 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| Au197 | 2gΓ(n,l=0) | 6.1 1 | 2.7 2 | | | AreaAnalysis | 10 | BAP 3 177 | May58 | ORL | Slaughter,G.G.+ |
| Au197 | 2gΓ(n,l=0) | 4.7 1 | 9.4 2 | | | AreaAnalysis | 55 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Au197 | 2gΓ(n,l=0) | 4.9 0 | 1.0 3 | | | TimeOfFlight | 57 | EANDC/E- 57 137 | Feb65 | SAC | De Barros,S.+ |
| Au197 | Γ(n)/Γ | 4.8 0 | 4.8 0 | | | Scattering | 1 | PR 79 11 | Jul50 | ANL | Harris,S.P.+ |
| Au197 | gΓ(n)/Γ | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 83 746 | Aug51 | COL | Tittman. |
| | TOTAL WIDTH | | | | | | | | | | |
| Au197 | Γ | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 83 746 | Aug51 | COL | Tittman. |
| Au197 | Γ | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 93 1030 | Mar54 | BNL | Landon,H.H.+ |
| Au197 | Γ | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| Au197 | Γ | 6.0 1 | 1.0 3 | | | | 45 | EANDC/E- 57 137 | Feb65 | SAC | De Barros,S.+ |
| Au197 | Γ | 4.9 0 | 4.9 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| Au197 | Γ | 4.9 0 | 1.0 3 | | | Shape Analys | 51 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Au197 | Γ | 4.9 0 | 4.9 0 | | | Shape Analys* | 1 | CEA/NOTE-1230 | Dec69 | SAC | Tellier,H.+ |
| Au197 | Γσ(0) | 4.9 0 | 4.9 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| Au197 | Γσ(0) | 4.9 0 | 4.9 0 | | | AreaAnalysis | 1 | NIM 60 113 | Mar68 | TRM | |
| Au197 | Γ²σ(0) | 4.8 0 | 4.8 0 | | | AreaAnalysis | 1 | PR 71 165 | Feb47 | COL | Havens,J.R.+ |
| Au197 | Γ²σ(0) | 6.1 1 | 1.9 2 | | | AreaAnalysis | 6 | PR 95 476 | Jul54 | BNL | Seidl. |
| Au197 | Γ²σ(0) | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| Au197 | Γ²σ(0) | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Au197 | Resonance Energy | 1.0 3 | 2.5 3 | | | TimeOfFlight | 59 | WASH-1029 19 | Sep60 | COL | Desjardins,J.S. |
| Au197 | Resonance Energy | 1.9 2 | 3.3 2 | | | AreaAnalysis | 2 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| Au197 | Resonance Energy | 4.9 0 | 1.0 3 | | | Shape Analys* | 64 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| Au197 | Resonance Energy | 4.9 0 | 4.9 0 | | | Shape Analys* | 1 | CEA/NOTE-1230 | Dec69 | SAC | Tellier,H.+ |
| Au197 | σ(0) | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 93 1030 | Mar54 | BNL | Landon,H.H.+ |
| Au197 | σ(0) | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| Au197 | σ(0) | 4.9 0 | 4.9 0 | | | Slowing-Down | 2 | AEET- 267 4 | Aug66 | TRM | Chandramoleswar,K.+ |
| Au197 | σ(0) | 4.9 0 | 4.9 0 | | | Shape Analys* | 1 | CEA/NOTE-1230 | Dec69 | SAC | Tellier,H.+ |
| Au197 | Spin of Reson | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 83 746 | Aug51 | COL | Tittman. |
| Au197 | Spin of Reson | 4.9 0 | 4.9 0 | | | Shape Analys | 1 | PR 104 1425 | Dec56 | BNL | Wood. |
| Au197 | Spin of Reson | 6.0 1 | 9.4 3 | | | AreaAnalysis | 16 | PR 120 2214 | Dec60 | COL | Desjardins. |
| Au197 | Spin of Reson | 6.0 1 | 5.5 2 | | | AreaAnalysis | 17 | 65ANTWRP- 65 | Jul65 | HAR | Asghar,M.+ |
| Au197 | Spin of Reson | 7.8 1 | 2.4 2 | | | | 5 | CR 262 507 | 66 | SAC | Trochin. |
| Au197 | Spin of Reson | 6.0 1 | 6.0 1 | | | Scattering | 1 | CR 262 507 | 66 | SAC | Trochin. |
| Au197 | Spin of Reson | 4.9 0 | 1.0 3 | | | Shape Analys | 50 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | |
| Au197 | Strength Fn(l=0) | 1.3 2 | 1.3 2 | | | Holograph | 1 | BAP 3 177 | May58 | ORL | Slaughter,G.G. |
| Au197 | Strength Fn(l=0) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Au197 | Strength Fn(l=0) | 1.0 3 | 1.0 3 | | | AreaAnalysis | 2 | INDC-156 P.64 | Oct66 | SAC | Julien,J.+ |
| Au197 | Strength Fn(l=0) | 2.5 4 | 2.5 4 | | | | 1 | YF 4 686 | Oct66 | CCP | Kapchigashev,S.P.+ |
| Au197 | Strength Fn(l=0) | 7.0 6 | 7.0 5 | | | | 2 | AERE/PR/NP-12 4 | Aug67 | HAR | Diment,K.M.+ |
| Au197 | Strength Fn(l=0) | 1.0 3 | 1.0 3 | | | | 2 | CEA/R-3609 68 | | SAC | Morgenstern,J. |
| Au197 | Strength Fn(l=1) | 3.3 5 | 3.3 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Au197 | Strength Fn(l=1) | 7.0 6 | 7.0 5 | | | | 2 | AERE/PR/NP-12 4 | Aug67 | HAR | Diment,K.M.+ |
| Au197 | Strength Fn(l=1) | 3.0 4 | 3.0 4 | | | * | 1 | NP A121 655 | Dec68 | PEL | Spitz,L.M.+ |
| Au197 | Strength Fn(l=1) | 1.5 5 | 1.5 5 | | | | 1 | NP A133 513 | Aug69 | KPK | Kompe,D. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data | Pnts | Reference | | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM (CONTINUED) | | | | | | | | | | | | | | | | |
| $Au^{197}$ | Strength Fn(l=2) | 7.0 | 6 | 7.0 | 6 | | | | | 2 | AERE/PR/NP-12 | | | 4 | Aug67 | HAR | Diment,K.M.+ |
| $Au^{197}$ | Strength Fn(l=2) | 1.5 | 5 | 1.5 | 5 | | | | | 1 | NP | A133 | 513 | | Aug69 | KFK | Kompe,D. |
| $Au^{197}$ | Str Fnct Part(γ) | 1.5 | 5 | 1.5 | 5 | | | | | 1 | NP | A133 | 513 | | Aug69 | KFK | Kompe,D. |
| $Au^{197}$ | Level Spacing | 9.7 | 1 | 9.7 | 1 | | | AreaAnalysis | | 1 | PR | 95 | 476 | | Jul54 | BNL | Seidl. |
| $Au^{197}$ | Level Spacing | 1.3 | 2 | 1.3 | 2 | | | TimeOfFlight | | 1 | BAP | 3 | 177 | | May58 | ORL | Slaughter,G.G.+ |
| $Au^{197}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | | 1 | YF | 4 | 686 | | Oct66 | CCP | Kapchigashev,S.P.+ |
| | (n,γ) REACTION | | | | | | | | | | | | | | | | |
| $Au^{198}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 1 | PR | 83 | 1097 | | Sep51 | UI | Sherk. |
| $Au^{198}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | | 1 | CJP | 33 | 457 | | 55 | CR | Bell. |
| $Au^{198}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | | * | 1 | JIN | 31 | 1229 | | 69 | HAR | Cabell,M.J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | | | | | |
| $Au^{198}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Total | | 1 | ANS | 6 | 43 | | 63 | MTR | Simpson. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Hg | Sigma | 2.2 | 5 | 8.3 | 5 | S | | Shell Trans | 2 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Hg | Sigma | 2.5 | 4 | 2.5 | 4 | S | Alna+Cu(n2n) | Shell Trans | 1 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Hg | Sigma | 2.4 | 4 | 8.3 | 5 | | | Shell Trans | 3 | AE 8 549 | 60 | CCP | Belanova. |
| Hg | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| Hg | Sigma | 2.5 | -2 | 2.5 | -2 | S | | Pulse Decay | 1 | NSE 9 132 | Feb61 | ANL | Meadows. |
| Hg | Sigma | 3.0 | 4 | 6.5 | 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Hg | Sigma | 3.4 | 4 | 3.0 | 5 | | Silver | CrystalScint* | 5 | AF 23 425 | 63 | FOA | Bergqvist. |
| Hg | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Hg | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Hg | Sigma | 4.1 | 6 | 4.1 | 6 | | | Diff Sig Int | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Hg | Sigma | 6.5 | 5 | 6.5 | 5 | | | Diff Sig Int | 1 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Hg | Sigma | 3.0 | 5 | 3.0 | 5 | | | Diff Sig Int | 1 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Hg | Sigma | 5.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 2 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Hg | Sigma | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 25 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Hg | Sigma | 2.0 | 6 | 2.0 | 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| Hg | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Hg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 16 | NP 2 124 | Oct56 | GRN | Nauta,H. |
| Hg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 16 | NP 2 124 | Oct56 | GRN | Nauta,H. |
| Hg | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | | Ring Geomtry | 9 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| Hg | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | H(n,n) | Biased Scint | 16 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Hg | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 16 | ZET 40 725 | Mar61 | UKR | Strizhak,V.I.+ |
| Hg | Ang Distrib | 6.5 | 5 | 6.5 | 5 | | | Threshold C | 8 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Hg | Ang Distrib | 3.0 | 5 | 3.0 | 5 | | | Threshold C | 8 | UPZ 8 1389 | 63 | UKR | Korzh. |
| Hg | Ang Distrib | 5.0 | 5 | 8.0 | 5 | | | Threshold C | 16 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Hg | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| Hg | Legendre Fit | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 125 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | | | |
| Hg | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Hg | Sigma | 4.1 | 6 | 4.1 | 6 | | H(n,n) | Diff Sig Int | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Hg | Sigma | 4.0 | 5 | 1.0 | 6 | | | | 12 | AE 14 400 | 63 | CCP | Glazkov. |
| Hg | Sigma | 5.5 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 45 | ZP 183 323 | Mar65 | ANL | De Villiers. |
| Hg | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | TimeOfFlight | 22 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Hg | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 53 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Hg | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Mirror Refl | 1 | PR 82 560 | May51 | ANL | Hibdon. |
| Hg | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | Carbon | Mirror Refl | 1 | BAP 8 477 | 63 | LRL | Bartolini. |
| Hg | σ(Coherent) | 2.5 | -2 | 2.5 | -2 | | | Mirror Refl | 1 | EANDC/E- 57 21 | Feb65 | MUN | Triftshauser. |
| Hg | Scatt Amplitude | 1.3 | -3 | 1.3 | -3 | | Absolute | Mirror Refl | 1 | ZAP 14 738 | Dec62 | MUN | Maier-Leibnitz,H. |
| Hg | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | Carbon | Mirror Refl | 1 | BAP 8 477 | 63 | LRL | Bartolini. |
| Hg | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Mirror Refl | 1 | EANDC/E- 57 21 | Feb65 | MUN | Triftshauser. |
| Hg | Scatt Amplitude | 2.5 | -2 | 2.5 | -2 | | | Mirror Refl | 1 | PR 174 313 | Oct68 | LRL | Bartolini. |
| | MISC FISS QUANT | | | | | | | | | | | | |
| Hg | Neutron/Capture | 1.4 | 7 | 1.4 | 7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| Hg | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Hg | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Hg | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Activation | 1 | CR 232 2089 | May51 | PAR | Grimeland,B.+ |
| Hg | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| Hg | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | JPR 13 171 | Mar52 | FAR | Ailloud. |
| Hg | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| Hg | Sigma | 1.0 | 6 | 1.0 | 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Hg | Sigma | 3.3 | 6 | 4.1 | 6 | | Absolute | Shell Trans | 2 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Hg | Sigma | 1.5 | 7 | 1.5 | 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| Hg | Sigma | 2.5 | 6 | 2.5 | 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Hg | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Hg | Sigma | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 3 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Hg | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Hg | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| Hg | Sigma | 4.1 | 6 | 4.1 | 6 | | | Total | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Hg | Sigma | 6.5 | 5 | 6.5 | 5 | | | Total | 1 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Hg | Sigma | 5.0 | 5 | 5.0 | 5 | | | Total | 1 | AE 16 207 | Mar64 | CCP | Pasechnik. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| Hg | Sigma | 2.5 | 7 | 2.5 | 7 | | Absolute | Threshold C | 1 | PR 68 240 | Dec45 | HRV | Sherr. |
| Hg | Sigma | 4.2 | 7 | 4.2 | 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Hg | Sigma | 3.9 | 0 | 6.5 | 3 | | Absolute | TimeOfFlight | 84 | PPS 65 992 | 52 | HAR | Hodgson. |
| Hg | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Hg | Sigma | 3.4 | 5 | 3.4 | 6 | | Absolute | Accelerator | 33 | ORNL-1365 | Jan53 | ORL | Willard. |
| Hg | Sigma | 1.7 | 5 | 2.8 | 6 | | Absolute | Accelerator | 17 | PR 89 1271 | Mar53 | WIS | Walt. |
| Hg | Sigma | 2.8 | 6 | 1.3 | 7 | | Absolute | Ion Chamber | 30 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Hg | Sigma | 6.1 | 7 | 1.1 | 8 | | | Count Telesc | 12 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| Hg | Sigma | 1.3 | 7 | 1.6 | 7 | | Absolute | Accelerator | 7 | PR 100 972 | Nov55 | MEX | Mazari. |
| Hg | Sigma | 1.6 | 1 | 7.4 | 3 | | Absolute | TimeOfFlight | 168 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| Hg | Sigma | 3.1 | 1 | 2.0 | 3 | | Absolute | TimeOfFlight | 366 | NP 13 525 | 59 | HAR | Bird. |
| Hg | Sigma | 1.8 | 1 | 3.5 | 4 | | Absolute | TimeOfFlight | 932 | NP 21 66 | 60 | ANL | Carpenter. |
| Hg | Sigma | 4.1 | 6 | 4.1 | 6 | | | TimeOfFlight | 1 | WADD/TR/60-217 | Apr60 | TNC | Vincent. |
| Hg | Sigma | 2.8 | 7 | 2.8 | 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| Hg | Sigma | 2.9 | 5 | 2.9 | 5 | | Absolute | TimeOfFlight | 1 | WHALEN 66 | 66 | ANL | Whalen.+ |
| Hg | Sigma | 1.0 | 5 | 6.5 | 5 | | Absolute | | 336 | ANL-7210 16 | Jun66 | ANL | Whalen,J.P.+ |
| Hg | Sigma | 2.9 | 5 | 2.9 | 5 | | Absolute | TimeOfFlight | 1 | ANL-7210 16 | Jun66 | ANL | Whalen,J.P.+ |
| Hg | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | RNW | Foster. |
| Hg | Sigma | 4.0 | 4 | 6.5 | 5 | | | Accelerator | 101 | AP 46 401 | Feb68 | DKE | Tabony. |
| | n-WIDTH | | | | | | | | | | | | |
| Hg | 2agΓ(n) | 2.7 | 2 | 6.5 | 8 | | | AreaAnalysis | 3 | NP 21 66 | 60 | ANL | Carpenter. |
| Hg | 2agΓ(n,l=0) | 2.7 | 2 | 6.5 | 8 | | | AreaAnalysis | 3 | NP 21 66 | 60 | ANL | Carpenter. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH | | | | | | | | | | | | |
| Hg | Γ | 2.7 | 2 | 5.1 | 2 | | AreaAnalysis | 2 | NP | 21 66 | 60 | ANL | Carpenter. |
| Hg | $\Gamma^2\sigma(0)$ | 2.3 | 1 | 3.5 | 1 | | AreaAnalysis | 2 | PPS | 65 992 | 52 | HAR | Hodgson. |
| Hg | $\Gamma^2\sigma(0)/4E(0)^{3/2}$ | -2.0 | 0 | -2.0 | 0 | | Shape Analys | 1 | PR | 70 154 | Aug46 | COL | Havens. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| Hg | Resonance Energy | 1.3 | 2 | 2.1 | 2 | | TimeOfFlight | 2 | PR | 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| Hg | Resonance Energy | 3.8 | 2 | 3.8 | 2 | | AreaAnalysis | 1 | NP | 21 66 | 60 | ANL | Carpenter. |
| Hg | $a\sigma(0)$ | 2.7 | 2 | 5.1 | 2 | | AreaAnalysis | 2 | NP | 21 66 | 60 | ANL | Carpenter. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| Hg | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | 1 | PL | 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Hg | Strength Fn(l=0) | 3.4 | 5 | 3.4 | 5 | | AverageTrans | 1 | AP | 46 401 | Feb68 | DKE | Tabony. |
| Hg | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | 1 | PL | 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Hg | Strength Fn(l=1) | 3.4 | 5 | 3.4 | 5 | | AverageTrans | 1 | AP | 46 401 | Feb68 | DKE | Tabony. |
| Hg | Strength Fn(l=2) | 3.4 | 5 | 3.4 | 5 | | AverageTrans | 1 | AP | 46 401 | Feb68 | DKE | Tabony. |
| | LEVEL DENS PARAM | | | | | | | | | | | | |
| Hg | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | 2 | YF | 4 1154 | Dec66 | PEI | Salnikov,O.A.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Hg^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Au(n,γ) | Activation | 2 | NP | 12 261 | 59 | MUA | Sehgal. |
| $Hg^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Ratio | Activation | 2 | PR | 120 1313 | Nov60 | ANL | Vandenbosch. |
| $Hg^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Ratio | Activation | 2 | PR | 128 761 | Oct62 | BNL | Sehgal. |
| $Hg^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Au(n,γ) | Activation | 2 | NP | 41 372 | Mar63 | MUA | Mangal,S.K.+ |
| $Hg^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Activation | 2 | NYO-10175 | | 64 | UCB | Arino. |
| $Hg^{196}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Au(n,γ) | Activation | 2 | NSE | 31 545 | Mar68 | USA | Tilbury. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Hg^{196}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ge(Li)Detect | 1 | BAP | 13 1421 | Nov68 | GIT | De Volpi. |
| $Hg^{196}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Activation | 2 | PR | 178 1904 | Feb69 | NDL | Temperley. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Hg^{196}$ | Γ(γ) | 9.3 | 1 | 9.3 | 1 | | AreaAnalysis | 1 | NP | 21 66 | 60 | ANL | Carpenter. |
| | n-WIDTH | | | | | | | | | | | | |
| $Hg^{196}$ | Γ(n) | 9.3 | 1 | 9.3 | 1 | | AreaAnalysis | 1 | NP | 21 66 | 60 | ANL | Carpenter. |
| $Hg^{196}$ | Γ(n,l=0) | 9.3 | 1 | 9.3 | 1 | | AreaAnalysis | 1 | NP | 21 66 | 60 | ANL | Carpenter. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Hg^{196}$ | Γ | 9.3 | 1 | 9.3 | 1 | | AreaAnalysis | 1 | NP | 21 66 | 60 | ANL | Carpenter. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Hg^{196}$ | $\sigma(0)$ | 9.3 | 1 | 9.3 | 1 | | AreaAnalysis | 1 | NP | 21 66 | 60 | ANL | Carpenter. |
| $Hg^{196}$ | Spin of Reson | 9.3 | 1 | 9.3 | 1 | | AreaAnalysis | 1 | NP | 21 66 | 60 | ANL | Carpenter. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Hg^{198}$ | Sigma | 2.5 | -2 | 2.5 | -2 | Au(n,γ) | Activation | 1 | NP | 12 261 | 59 | MUA | Sehgal. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Hg^{198}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Ratio | Activation | 1 | PR | 120 1313 | Nov60 | ANL | Vandenbosch. |
| $Hg^{198}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Al(n,alpha) | Activation * | 1 | NP | A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Hg^{198}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ge(Li)Detect | 1 | BAP | 13 1421 | Nov68 | GIT | De Volpi. |
| $Hg^{198}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Activation | 2 | PR | 178 1904 | Feb69 | NDL | Temperley. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Hg^{198}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ge(Li)Detect | 1 | BAP | 13 1421 | Nov68 | GIT | De Volpi. |
| $Hg^{198}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Activation | 1 | PR | 178 1904 | Feb69 | NDL | Temperley. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Hg^{198}$ | Γ(γ) | 9.0 | 1 | 9.0 | 1 | | AreaAnalysis | 1 | NP | 13 525 | 59 | HAR | Bird. |
| $Hg^{198}$ | Γ(γ) | 2.3 | 1 | 4.2 | 2 | | AreaAnalysis | 4 | NP | 21 66 | 60 | ANL | Carpenter. |
| $Hg^{198}$ | Γ(γ) | 2.3 | 1 | 9.1 | 1 | | AreaAnalysis | 2 | NP | 42 676 | 63 | BNL | Bolotin. |
| $Hg^{198}$ | Γ(γ) | 2.3 | 1 | 4.2 | 2 | | Shape Analys | 5 | CEA/R-3385 | | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | | | |
| $Hg^{198}$ | Γ(n) | 2.3 | 1 | 2.3 | 1 | | AreaAnalysis | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hg^{198}$ | Γ(n) | 2.3 | 1 | 3.0 | 2 | | AreaAnalysis | 3 | ZIMMERMAN | 56J | Oct56 | BNL | Zimmerman.+ |
| $Hg^{198}$ | Γ(n) | 9.0 | 1 | 9.0 | 1 | | AreaAnalysis | 1 | NP | 13 525 | 59 | HAR | Bird. |
| $Hg^{198}$ | Γ(n) | 2.3 | 1 | 4.2 | 2 | | AreaAnalysis | 5 | NP | 21 66 | 60 | ANL | Carpenter. |
| $Hg^{198}$ | Γ(n) | 2.3 | 1 | 9.1 | 1 | | AreaAnalysis | 2 | NP | 42 676 | 63 | BNL | Bolotin. |
| $Hg^{198}$ | Γ(n) | 2.3 | 1 | 4.2 | 2 | | Shape Analys | 5 | CEA/R-3385 | | Feb68 | SAC | Julien,J. |
| $Hg^{198}$ | gΓ(n) | 2.3 | 1 | 4.2 | 2 | | Shape Analys | 5 | CEA/R-3385 | | Feb68 | SAC | Julien,J. |
| $Hg^{198}$ | Γ(n,l=0) | 2.3 | 1 | 4.2 | 2 | | AreaAnalysis | 5 | NP | 21 66 | 60 | ANL | Carpenter. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Hg^{198}$ | Γ | 2.3 | 1 | 2.3 | 1 | | AreaAnalysis | 1 | PR | 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hg^{198}$ | Γ | 9.0 | 1 | 9.0 | 1 | | AreaAnalysis | 1 | NP | 13 525 | 59 | HAR | Bird. |
| $Hg^{198}$ | Γ | 2.3 | 1 | 4.2 | 2 | | AreaAnalysis | 5 | NP | 21 66 | 60 | ANL | Carpenter. |
| $Hg^{198}$ | Γ | 2.3 | 1 | 9.1 | 1 | | AreaAnalysis | 2 | NP | 42 676 | 63 | BNL | Bolotin. |
| $Hg^{198}$ | Γ | 2.3 | 1 | 4.2 | 2 | | Shape Analys | 5 | CEA/R-3385 | | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Hg^{198}$ | Resonance Energy | 2.3 | 1 | 3.1 | 2 | | TimeOfFlight | 3 | PR | 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Hg^{198}$ | Resonance Energy | 2.3 | 1 | 4.2 | 2 | | Shape Analys* | 5 | CEA/R-3385 | | Feb68 | SAC | Julien,J. |
| $Hg^{198}$ | $\sigma(0)$ | 9.0 | 1 | 9.0 | 1 | | AreaAnalysis | 1 | NP | 13 525 | 59 | HAR | Bird. |
| $Hg^{198}$ | $\sigma(0)$ | 2.3 | 1 | 4.2 | 2 | | AreaAnalysis | 5 | NP | 21 66 | 60 | ANL | Carpenter. |
| $Hg^{198}$ | Spin of Reson | 2.3 | 1 | 4.2 | 2 | | AreaAnalysis | 5 | NP | 21 66 | 60 | ANL | Carpenter. |
| $Hg^{198}$ | Spin of Reson | 2.3 | 1 | 4.2 | 2 | | Shape Analys | 5 | CEA/R-3385 | | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Hg^{198}$ | Strength Fn(l=0) | 4.2 | 2 | 4.2 | 2 | | | 2 | CEA/R-3609 | | 68 | SAC | Morgenstern,J. |

| Nucl | Quantity | Emin | | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INEL SCATTERING | | | | | | | | | | | |
| $Hg^{199}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ge(Li)Detect | 1 | BAP 13 1421 | Nov68 | GIT | De Volpi. |
| $Hg^{199}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |
| | (n,n'γ) REACTION | | | | | | | | | | | |
| $Hg^{199}$ | Sigma | 3.7 | 5 | 2.2 | 6 | | Activation | 22 | PR 100 1329 | Dec55 | BAR | Swann. |
| $Hg^{199}$ | Sigma | 2.8 | 6 | 2.8 | 6 | Indium | Activation | 1 | JAR 18 279 | May67 | REN | Broadhead. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Hg^{199}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |
| | (n,np)+(n,d) REACT | | | | | | | | | | | |
| $Hg^{199}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ge(Li)Detect | 1 | BAP 13 1421 | Nov68 | GIT | De Volpi. |
| | ABSORPTION X-SECT | | | | | | | | | | | |
| $Hg^{199}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | 3 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | γ-WIDTH | | | | | | | | | | | |
| $Hg^{199}$ | Γ(γ) | -2.0 | 0 | -2.0 | 0 | | Scattering | 2 | PR 82 560 | May51 | ANL | Hibdon. |
| $Hg^{199}$ | Γ(γ) | 3.4 | 1 | 3.4 | 1 | | AreaAnalysis | 2 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hg^{199}$ | Γ(γ) | 3.3 | 1 | 1.7 | 2 | | AreaAnalysis | 3 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{199}$ | Γ(γ) | 3.3 | 1 | 8.8 | 2 | | AreaAnalysis | 8 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{199}$ | Γ(γ) | 1.3 | 2 | 1.3 | 2 | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Hg^{199}$ | Γ(γ) | 4.9 | 2 | 4.9 | 2 | | Shape Analys | 1 | CEA/R-2810 | 65 | SAC | Huynh. |
| $Hg^{199}$ | Γ(γ) | 3.3 | 1 | 6.9 | 2 | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | | |
| $Hg^{199}$ | Γ(n) | -2.0 | 0 | -2.0 | 0 | | Scattering | 2 | PR 82 560 | May51 | ANL | Hibdon. |
| $Hg^{199}$ | Γ(n) | 3.4 | 1 | 3.4 | 1 | | AreaAnalysis | 2 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hg^{199}$ | Γ(n) | 3.3 | 1 | 1.7 | 2 | | AreaAnalysis | 3 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{199}$ | Γ(n) | 3.3 | 1 | 8.8 | 2 | | AreaAnalysis | 8 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{199}$ | Γ(n) | 1.3 | 2 | 1.3 | 2 | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Hg^{199}$ | Γ(n) | 3.3 | 1 | 6.9 | 2 | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Hg^{199}$ | gΓ(n) | 3.3 | 1 | 6.9 | 2 | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Hg^{199}$ | 2gΓ(n) | 1.3 | 2 | 4.9 | 2 | | AreaAnalysis | 4 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Hg^{199}$ | Γ(n,l=0) | 3.3 | 1 | 8.8 | 2 | | AreaAnalysis | 8 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{199}$ | 2gΓ(n,l=0) | 1.3 | 2 | 4.9 | 2 | | AreaAnalysis | 4 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Hg^{199}$ | Γ | -2.0 | 6 | -2.0 | 0 | | Scattering | 2 | PR 82 560 | May51 | ANL | Hibdon. |
| $Hg^{199}$ | Γ | 3.4 | 1 | 3.4 | 1 | | AreaAnalysis | 1 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hg^{199}$ | Γ | 3.3 | 1 | 1.7 | 2 | | AreaAnalysis | 3 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{199}$ | Γ | 3.3 | 1 | 8.8 | 2 | | AreaAnalysis | 8 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{199}$ | Γ | 1.3 | 2 | 1.3 | 2 | | AreaAnalysis | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Hg^{199}$ | Γ | 3.3 | 1 | 6.9 | 2 | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Hg^{199}$ | Resonance Energy | 3.4 | 1 | 1.8 | 2 | | TimeOfFlight | 3 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Hg^{199}$ | Resonance Energy | 3.3 | 1 | 3.3 | 1 | | AreaAnalysis | 1 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Hg^{199}$ | Resonance Energy | 1.8 | 2 | 1.8 | 2 | | CaptureGamma | 1 | PR 107 1333 | 57 | BNL | Landon,H.H.+ |
| $Hg^{199}$ | Resonance Energy | 1.3 | 2 | 2.6 | 2 | | CaptureGamma | 2 | BAP 4 34 | Jan59 | BNL | Brussel. |
| $Hg^{199}$ | Resonance Energy | 1.3 | 2 | 1.7 | 2 | | CaptureGamma | 2 | ANL-6146 1 | 60 | ANL | Bollinger. |
| $Hg^{199}$ | Resonance Energy | 3.3 | 1 | 3.3 | 1 | | TimeOfFlight | 1 | NP 42 676 | 63 | BNL | Bolotin. |
| $Hg^{199}$ | Resonance Energy | 3.3 | 1 | 6.9 | 2 | | Shape Analys* | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Hg^{199}$ | σ(0) | 2.3 | 1 | 3.4 | 1 | | AreaAnalysis | 2 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Hg^{199}$ | σ(0) | 3.3 | 1 | 1.7 | 2 | | AreaAnalysis | 3 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{199}$ | σ(0) | 3.3 | 1 | 8.8 | 2 | | AreaAnalysis | 8 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{199}$ | Spin of Reson | -2.0 | 0 | -2.0 | 0 | | CaptureGamma | 1 | CJP 31 1051 | 53 | CR | Kinsey. |
| $Hg^{199}$ | Spin of Reson | -2.0 | 0 | 3.4 | 1 | | CaptureGamma | 2 | PR 107 1333 | 57 | BNL | Landon,H.H.+ |
| $Hg^{199}$ | Spin of Reson | 3.3 | 1 | 1.7 | 2 | | AreaAnalysis | 3 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{199}$ | Spin of Reson | 3.3 | 1 | 3.3 | 1 | | CaptureGamma | 1 | BAP 4 34 | Jan59 | BNL | Brussel. |
| $Hg^{199}$ | Spin of Reson | -2.0 | 0 | 3.4 | 1 | | CaptureGamma | 2 | ANL-6146 1 | 60 | ANL | Bollinger. |
| $Hg^{199}$ | Spin of Reson | 3.3 | 1 | 8.8 | 2 | | AreaAnalysis | 8 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{199}$ | Spin of Reson | 2.0 | -1 | 3.4 | 6 | C | CaptureGamma | 9 | NP 50 209 | Jan64 | CRC | Bartholomew,G.A.+ |
| $Hg^{199}$ | Spin of Reson | 3.3 | 1 | 6.9 | 2 | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | |
| $Hg^{199}$ | Strength Fn(l=0) | 7.0 | 2 | 7.0 | 2 | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,2n) REACTION | | | | | | | | | | | |
| $Hg^{200}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ge(Li)Detect | 1 | BAP 13 1421 | Nov68 | GIT | De Volpi. |
| $Hg^{200}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |
| | (n,p) REACTION | | | | | | | | | | | |
| $Hg^{200}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Hg^{200}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |
| | (n,np)+(n,d) REACT | | | | | | | | | | | |
| $Hg^{200}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |
| | (n,alpha) REACTION | | | | | | | | | | | |
| $Hg^{200}$ | Sigma | 1.5 | 7 | 1.5 | 7 | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Hg^{200}$ | Sigma | 1.4 | 7 | 1.4 | 7 | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |
| | n-WIDTH | | | | | | | | | | | |
| $Hg^{200}$ | Γ(n) | 1.3 | 3 | 7.8 | 3 | | AreaAnalysis | 4 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{200}$ | Γ(n,l=0) | 1.3 | 3 | 7.8 | 3 | | AreaAnalysis | 4 | NP 21 66 | 60 | ANL | Carpenter. |
| | TOTAL WIDTH | | | | | | | | | | | |
| $Hg^{200}$ | Γ | 1.3 | 3 | 7.8 | 3 | | AreaAnalysis | 4 | NP 21 66 | 60 | ANL | Carpenter. |
| | OTHER RESON PARAM | | | | | | | | | | | |
| $Hg^{200}$ | σ(0) | 1.3 | 3 | 7.8 | 3 | | AreaAnalysis | 4 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{200}$ | Spin of Reson | 1.3 | 3 | 7.8 | 3 | | AreaAnalysis | 6 | NP 21 66 | 60 | ANL | Carpenter. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,p) REACTION | | | | | | | | | | | | |
| $Hg^{201}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Hg^{201}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |
| | (n,np)+(n,d) REACT | | | | | | | | | | | | |
| $Hg^{201}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Hg^{201}$ | Sigma | 2.4 | 4 | 8.3 | 5 | | | | 3 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| $Hg^{201}$ | Sigma | 4.3 | 1 | 7.1 | 1 | | | TimeOfFlight | 2 | EANDC/E- 49 52 | Oct63 | SAC | Bianchi,G.+ |
| | $\gamma$-WIDTH | | | | | | | | | | | | |
| $Hg^{201}$ | $\Gamma(\gamma)$ | 4.3 | 1 | 2.1 | 2 | | | AreaAnalysis | 4 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{201}$ | $\Gamma(\gamma)$ | 4.3 | 1 | 6.8 | 2 | | | AreaAnalysis | 5 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{201}$ | $\Gamma(\gamma)$ | 2.1 | 2 | 2.1 | 2 | | | Scattering | 1 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| $Hg^{201}$ | $\Gamma(\gamma)$ | 4.3 | 1 | 7.2 | 1 | | | AreaAnalysis | 2 | NP 42 676 | 63 | BNL | Bolotin. |
| $Hg^{201}$ | $\Gamma(\gamma)$ | 4.3 | 1 | 6.8 | 2 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | n-WIDTH | | | | | | | | | | | | |
| $Hg^{201}$ | $\Gamma(n)$ | 2.1 | 2 | 2.1 | 2 | | | AreaAnalysis | 2 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{201}$ | $\Gamma(n)$ | 2.1 | 2 | 6.8 | 2 | | | AreaAnalysis | 3 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{201}$ | $\Gamma(n)$ | 2.1 | 2 | 2.1 | 2 | | | Scattering | 1 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| $Hg^{201}$ | $\Gamma(n)$ | 4.3 | 1 | 6.8 | 2 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Hg^{201}$ | $g\Gamma(n)$ | 4.3 | 1 | 6.8 | 2 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Hg^{201}$ | $2g\Gamma(n)$ | 4.3 | 1 | 5.6 | 2 | | | AreaAnalysis | 4 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Hg^{201}$ | $2g\Gamma(n)$ | 4.3 | 1 | 7.1 | 1 | | | AreaAnalysis | 2 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{201}$ | $2g\Gamma(n)$ | 4.3 | 1 | 4.4 | 2 | | | AreaAnalysis | 4 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{201}$ | $2g\Gamma(n)$ | 4.3 | 1 | 7.2 | 1 | | | AreaAnalysis | 2 | NP 42 676 | 63 | BNL | Bolotin. |
| $Hg^{201}$ | $2g\Gamma(n)$ | 4.3 | 1 | 7.1 | 1 | | | TimeOfFlight | 2 | EANDC/E- 49 52 | Oct63 | SAC | Bianchi,G.+ |
| $Hg^{201}$ | $\Gamma(n,l=0)$ | 7.1 | 1 | 6.8 | 2 | | | AreaAnalysis | 4 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{201}$ | $2g\Gamma(n,l=0)$ | 4.3 | 1 | 7.1 | 1 | | | AreaAnalysis | 2 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Hg^{201}$ | $2g\Gamma(n,l=0)$ | 4.3 | 1 | 4.4 | 2 | | | AreaAnalysis | 3 | NP 21 66 | 60 | ANL | Carpenter. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Hg^{201}$ | $\Gamma$ | 4.3 | 1 | 2.1 | 2 | | | AreaAnalysis | 3 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{201}$ | $\Gamma$ | 4.3 | 1 | 6.8 | 2 | | | AreaAnalysis | 7 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{201}$ | $\Gamma$ | 2.1 | 2 | 2.1 | 2 | | | Scattering | 1 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| $Hg^{201}$ | $\Gamma$ | 4.3 | 1 | 7.2 | 1 | | | AreaAnalysis | 2 | NP 42 676 | 63 | BNL | Bolotin. |
| $Hg^{201}$ | $\Gamma$ | 4.3 | 1 | 7.1 | 1 | | | TimeOfFlight | 2 | EANDC/E- 49 52 | Oct63 | SAC | Bianchi,G.+ |
| $Hg^{201}$ | $\Gamma$ | 4.3 | 1 | 6.8 | 2 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Hg^{201}$ | Resonance Energy | 4.3 | 1 | 4.3 | 1 | | | TimeOfFlight | 1 | PR 102 228 | Apr56 | ANL | Palmer,R.R.+ |
| $Hg^{201}$ | Resonance Energy | 4.3 | 1 | 6.8 | 2 | | | Shape Analys* | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| $Hg^{201}$ | $\sigma(0)$ | 4.3 | 1 | 2.1 | 2 | | | AreaAnalysis | 3 | NP 13 525 | 59 | HAR | Bird. |
| $Hg^{201}$ | $\sigma(0)$ | 4.3 | 1 | 6.8 | 2 | | | AreaAnalysis | 7 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{201}$ | $\sigma(0)$ | 4.3 | 1 | 7.1 | 1 | | | TimeOfFlight | 2 | EANDC/E- 49 52 | Oct63 | SAC | Bianchi,G.+ |
| $Hg^{201}$ | Spin of Reson | 4.3 | 1 | 4.4 | 2 | | | CaptureGamma | 3 | BAP 4 34 | Jan59 | BNL | Brussel. |
| $Hg^{201}$ | Spin of Reson | 2.1 | 2 | 6.8 | 2 | | | AreaAnalysis | 3 | NP 21 66 | 60 | ANL | Carpenter. |
| $Hg^{201}$ | Spin of Reson | 2.1 | 2 | 2.1 | 2 | | | Scattering | 1 | PL 3 68 | Dec62 | SAC | Julien,J.+ |
| $Hg^{201}$ | Spin of Reson | 4.3 | 1 | 6.8 | 2 | | | Shape Analys | 7 | CEA/R-3385 | Feb68 | SAC | Julien,J. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Hg^{201}$ | Strength Fn(l=0) | 7.0 | 2 | 7.0 | 2 | | | | 2 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | |
| $Hg^{202}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | PR 82 276 | Apr51 | ORL | Lyon. |
| $Hg^{202}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Hg^{202}$ | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| $Hg^{202}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Activation | 1 | PR 128 761 | Oct62 | BNL | Sehgal. |
| $Hg^{202}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| $Hg^{202}$ | Reson Integral | 6.0 | 2 | 6.0 | 2 | | Au(n,$\gamma$) | Activation * | 1 | JNE 17 350 | Oct63 | AE | Brune,D.+ |
| $Hg^{202}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | $Co^{59}$ | Activation | 2 | JIN 30 349 | Feb68 | CAN | Sims. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Hg^{202}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Hg^{202}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |
| | (n,$\gamma$) REACTION | | | | | | | | | | | | |
| $Hg^{204}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Hg^{204}$ | Sigma | 2.0 | 5 | 4.0 | 6 | | $I^{127}$ | Activation | 4 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Hg^{204}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Hg^{204}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Hg^{204}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Y^{89}$ | Activation * | 1 | AHP 25 91 | Oct68 | DEB | Peto,G.+ |
| $Hg^{204}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li) Detect | 1 | BAP 13 1421 | Nov68 | GIT | De Volpi. |
| $Hg^{204}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Iron | Activation | 1 | PR 178 1904 | Feb69 | NDL | Temperley. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Tl | Sigma | 3.0 | 4 | 6.5 | 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Tl | Sigma | 7.4 | -1 | 4.2 | 4 | | | Slowing-Down | 120 | ZET 47 795 | 64 | LEB | Konks. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Tl | Sigma | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 25 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Tl | Ang Distrib | 4.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Tl | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| Tl | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | σ(Total) | TimeOfFlight | 26 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| Tl | Legendre Fit | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 125 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| | INEL SCATTERING | | | | | | | | | | | | |
| Tl | Sigma | 5.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 68 | ZP 183 323 | Mar65 | ANL | De Villiers. |
| Tl | Ang Distrib | 4.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 6 | PR 129 1649 | Feb63 | LAS | Thomson. |
| Tl | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | Count Telesc | 1 | JNE 19 497 | Jul65 | RPI | Pearlstein. |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| Tl | Sigma | 1.5 | 6 | 1.5 | 6 | | | CrystalScint | 3 | AP 12 485 | 61 | LAS | Lind. |
| Tl | Sigma | 3.0 | 6 | 3.0 | 6 | | Iron | Ge(Li)Detect* | 28 | ZP 245 13 | Jul71 | MUN | Peicht,E.J.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| Tl | Ang Distrib | 6.0 | 4 | 1.8 | 6 | | Carbon | ModeratrTank | 110 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| Tl | σ(Potential) | 1.9 | 3 | 1.9 | 3 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| Tl | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 2 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Tl | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Tl | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| Tl | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| Tl | Sigma | 2.8 | 6 | 1.3 | 7 | | Absolute | Ion Chamber | 31 | PR 94 1678 | Jun54 | LAS | Nereson. |
| Tl | Sigma | 8.4 | 1 | 5.4 | 2 | | Absolute | TimeOfFlight | 65 | HUGHES 55C | Mar55 | BNL | Hughes. |
| Tl | Sigma | 1.5 | 2 | 2.0 | 4 | | | Proportion C | 52 | PR 105 198 | Jan57 | DKE | Newson. |
| Tl | Sigma | 1.1 | 4 | 8.1 | 4 | | Absolute | Proportion C | 111 | PR 105 198 | Jan57 | DKE | Newson. |
| Tl | Sigma | 1.5 | 7 | 1.6 | 7 | | Absolute | Accelerator | 2 | MAZARI 58B | Feb58 | MEX | Mazari. |
| Tl | Sigma | 1.3 | 1 | 3.8 | 3 | | | TimeOfFlight | 42 | PR 110 692 | May58 | BNL | Seth. |
| Tl | Sigma | 7.1 | 6 | 1.4 | 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Tl | Sigma | 1.8 | 7 | 2.9 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Tl | Sigma | 1.9 | 1 | 7.9 | 7 | | Absolute | TimeOfFlight | 523 | CARPENTER 62H | Aug62 | ANL | Carpenter. |
| Tl | Sigma | 6.0 | 3 | 1.9 | 5 | | Absolute | Accelerator | 44 | PL 16 306 | Jun65 | DKE | Seth. |
| Tl | Sigma | 5.0 | 5 | 4.1 | 6 | | Absolute | | 4 | DAY 65G | Jul65 | LAS | Day. |
| Tl | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| Tl | Sigma | 4.2 | 5 | 3.2 | 7 | | Absolute | TimeOfFlight* | 5633 | KFK-1000 | Jun68 | KFK | Cierjacks,S.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| Tl | Resonance Energy | 2.4 | 2 | 2.4 | 2 | | | TimeOfFlight | 1 | INDSWG-120E | 65 | CCP | Ignatiev. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| Tl | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| Tl | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Tl^{203}$ | Sigma | 1.0 | 0 | 3.5 | 4 | | | Slowing-Down | 55 | ZET 47 795 | 64 | LEB | Konks. |
| $Tl^{203}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | | γ-Spectromet | 43 | PR 140B1562 | Dec65 | MCM | Prestwich,W.V.+ |
| $Tl^{203}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | Arb Units | γ-Spectromet | 40 | PR 140B1562 | Dec65 | MCM | Prestwich,W.V.+ |
| $Tl^{203}$ | Spectrum | 2.5 | -2 | 2.5 | -2 | | γ's /100neut | γ-Spectromet* | 20 | NCL 2 992 | Nov71 | CAS | Pubini,A.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| $Tl^{203}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | Iron | Ge(Li)Detect* | 4 | ZP 245 13 | Jul71 | MUN | Peicht,E.J.+ |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Tl^{203}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.60A | Jan60 | ARK | Poularikas. |
| $Tl^{203}$ | Sigma | 8.4 | 6 | 1.5 | 7 | | | Activation | 14 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Tl^{203}$ | Sigma | 1.2 | 7 | 2.0 | 7 | | $U^{238}$(n,f) | Activation | 10 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Tl^{203}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Activation * | 1 | NP A102 534 | Oct67 | IRK | Scheimbauer,P.+ |
| $Tl^{203}$ | Sigma | 1.4 | 7 | 1.4 | 7 | C | Another Reac | Activation * | 2 | NP A102 534 | Oct67 | IRK | Scheimbauer,P.+ |
| $Tl^{203}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Tl^{203}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Y^{89}$ | Activation * | 1 | ARP 25 91 | Oct68 | DEB | Peto,G.+ |
| $Tl^{203}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation | 1 | AE 25 437 | Nov68 | CCP | Nasyrov. |
| $Tl^{203}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li)Detect | 1 | BAP 13 1421 | Nov68 | GIT | De Volpi. |
| $Tl^{203}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | (n,3n) REACTION | | | | | | | | | | | | |
| $Tl^{203}$ | Sigma | 1.7 | 7 | 2.0 | 7 | | $U^{238}$(n,f) | Activation | 3 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Tl^{203}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Tl^{203}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.60A | Jan60 | ARK | Poularikas. |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Tl^{203}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| $Tl^{203}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li)Detect | 1 | BAP 13 1421 | Nov68 | GIT | De Volpi. |
| | (n,n alpha) REACT | | | | | | | | | | | | |
| $Tl^{203}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | PR 131 2649 | Sep63 | ARK | Bramlitt. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Tl^{203}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Tl^{203}$ | Γ(γ) | 2.4 | 2 | 2.4 | 2 | | | CaptureGamma | 1 | ZET 47 795 | 64 | LEB | Konks. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH | | | | | | | | | | | | | | | |
| $Tl^{203}$ | $\Gamma(n)$ | 2.4 | 2 | 2.4 | 2 | | | AreaAnalysis | 1 | PR | 108 | 353 | | Oct57 | BNL | Ahn,S.H.+ |
| $Tl^{203}$ | $\Gamma(n,l=0)$ | 2.4 | 2 | 2.4 | 2 | | | AreaAnalysis | 1 | PR | 108 | 353 | | Oct57 | BNL | Ahn,S.H.+ |
| | TOTAL WIDTH | | | | | | | | | | | | | | | |
| $Tl^{203}$ | $\Gamma$ | 2.4 | 2 | 2.4 | 2 | | | TimeOfFlight | 1 | PR | 108 | 353 | | Oct57 | BNL | Ahn,S.H.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | | | | |
| $Tl^{203}$ | Resonance Energy | 2.7 | 2 | 2.9 | 4 | | | TimeOfFlight | 8 | AP | 14 | 346 | | 61 | DKE | Newson. |
| $Tl^{203}$ | Resonance Energy | 5.0 | 3 | 5.0 | 3 | | | CaptureGamma | 1 | ZET | 47 | 795 | | 64 | LEB | Konks. |
| $Tl^{203}$ | Spin of Reson | 2.4 | 2 | 2.4 | 2 | | | AreaAnalysis | 2 | PR | 108 | 353 | | Oct57 | BNL | Ahn,S.H.+ |
| $Tl^{203}$ | Spin of Reson | 5.0 | 3 | 5.0 | 3 | | | TimeOfFlight | 1 | AP | 14 | 346 | | 61 | DKE | Newson. |
| | AVERAGED PARAM | | | | | | | | | | | | | | | |
| $Tl^{203}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YP | 4 | 686 | | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Tl^{203}$ | Level Spacing | 1.0 | 5 | 1.0 | 5 | | | TimeOfFlight | 1 | AP | 14 | 346 | | 61 | DKE | Newson. |
| $Tl^{203}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YP | 4 | 686 | | Oct66 | CCP | Kapchigashev,S.P.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | | | | |
| $Tl^{204}$ | Ang Distrib | 5.0 | 5 | 2.5 | 6 | | | | 66 | DAY | | 65G | | Jul65 | LAS | Day. |
| | TOTAL WIDTH | | | | | | | | | | | | | | | |
| $Tl^{204}$ | $\Gamma^{2}\sigma(0)$ | 1.2 | 2 | 8.0 | 2 | | | AreaAnalysis | 2 | 68WASH- | | 893 | | Mar68 | MTR | Watanabe. |
| | (n,γ) REACTION | | | | | | | | | | | | | | | |
| $Tl^{205}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS | 72 | 505 | | 58 | ALD | Perkin,J.L.+ |
| $Tl^{205}$ | Sigma | 2.5 | 6 | 4.0 | 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- | | 18 | | Sep58 | UKR | Pasechnik. |
| $Tl^{205}$ | Sigma | 2.5 | 6 | 4.0 | 6 | N | $I^{127}$ | Activation | 3 | 58GENEVA/15- | | 18 | | Sep58 | UKR | Pasechnik. |
| $Tl^{205}$ | Sigma | 2.1 | 4 | 2.1 | 4 | | $I^{127}$ | Activation | 1 | AE | 5 | 564 | | Nov58 | CCP | Kononov,V.N.+ |
| $Tl^{205}$ | Sigma | 2.5 | 4 | 2.8 | 6 | | $U^{235}(n,f)$ | Activation | 42 | AE | 9 | 401 | | Nov60 | CCP | Stavisskii. |
| $Tl^{205}$ | Sigma | 2.5 | 4 | 2.8 | 6 | N | $U^{235}(n,f)$ | Activation | 42 | AE | 9 | 401 | | Nov60 | CCP | Stavisskii. |
| $Tl^{205}$ | Sigma | 1.0 | 1 | 3.5 | 4 | | | Slowing-Down | 20 | ZET | 47 | 795 | | 64 | LEB | Konks. |
| $Tl^{205}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | NC B | 58 | 402 | | Dec68 | MUA | Hasan,S.S.+ |
| | INEL SCATTERING | | | | | | | | | | | | | | | |
| $Tl^{205}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | Iron | Ge(Li) Detect* | 9 | ZP | 245 | 13 | | Jul71 | MUN | Peicht,E.J.+ |
| | (n,2n) REACTION | | | | | | | | | | | | | | | |
| $Tl^{205}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | NP | 51 | 329 | | 64 | IRK | Spenke. |
| | (n,p) REACTION | | | | | | | | | | | | | | | |
| $Tl^{205}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP | 31 | 267 | | 53 | CR | Paul. |
| $Tl^{205}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS | 73 | 215 | | 59 | ALD | Coleman,R.F.+ |
| $Tl^{205}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.60A | | | | Jan60 | ARK | Poularikas. |
| $Tl^{205}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ge(Li) Detect | 1 | BAP | 13 | 1421 | | Nov68 | GIT | De Volpi. |
| | (n,$He^{3}$) REACTION | | | | | | | | | | | | | | | |
| $Tl^{205}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | PR | 131 | 2649 | | Sep63 | ARK | Bramlitt. |
| | (n,alpha) REACTION | | | | | | | | | | | | | | | |
| $Tl^{205}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Activation | 1 | AN.PROG.REP.60A | | | | Jan60 | ARK | Poularikas. |
| | ABSORPTION X-SECT | | | | | | | | | | | | | | | |
| $Tl^{205}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR | 88 | 412 | | Oct52 | ORL | Pomerance. |
| | OTHER RESON PARAM | | | | | | | | | | | | | | | |
| $Tl^{205}$ | Resonance Energy | 3.0 | 3 | 5.5 | 4 | | | TimeOfFlight | 4 | AP | 14 | 346 | | 61 | DKE | Newson. |
| $Tl^{205}$ | n-Orbit Ang Mom | 3.0 | 3 | 3.0 | 3 | | | CaptureGamma | 1 | ZET | 47 | 795 | | 64 | LEB | Konks. |
| | AVERAGED PARAM | | | | | | | | | | | | | | | |
| $Tl^{205}$ | Strength Fn(l=0) | 2.5 | 4 | 2.5 | 4 | | | | 1 | YP | 4 | 686 | | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Tl^{205}$ | Level Spacing | 1.1 | 5 | 1.1 | 5 | | | TimeOfFlight | 1 | AP | 14 | 346 | | 61 | DKE | Newson. |
| $Tl^{205}$ | Level Spacing | 2.5 | 4 | 2.5 | 4 | | | | 1 | YP | 4 | 686 | | Oct66 | CCP | Kapchigashev,S.P.+ |
| $Tl^{205}$ | Level Spacing | 2.4 | 4 | 2.4 | 4 | C | | * | 1 | NC B | 58 | 402 | A | Dec68 | MUA | Hasan,S.S.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | | | |
| Pb | Sigma | 2.5 | 4 | 8.3 | 5 | | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| Pb | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | NP 20 202 | 60 | ORL | Schmitt. |
| Pb | Sigma | 1.7 | 5 | 1.0 | 6 | | $U^{235}(n,f)$ | Scint Tank | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| Pb | Sigma | 3.0 | 4 | 6.5 | 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| Pb | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| | γ,EMISSION | | | | | | | | | | | | |
| Pb | Sigma | 2.3 | 6 | 2.9 | 6 | | Copper | Ion Chamber | 7 | JMJ 23 925 | 41 | JAP | Nonaka,I. |
| Pb | Sigma | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 8 | YF 3 861 | May66 | CCP | Bezotosnyi,V.M.+ |
| Pb | Ang Distrib | 3.5 | 6 | 6.5 | 6 | | | CrystalScint | 26 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Pb | Ang Distrib | 7.5 | 6 | 8.5 | 6 | | Carbon | CrystalScint | 21 | NP 60 561 | Dec64 | ALD | Perkin,J.L. |
| Pb | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Carbon | Ge(Li)Detect* | 12 | AF 39 295 | Apr69 | LND | Joensson,B.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| Pb | Sigma | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 1 | PR 92 114 | Oct53 | BAR | Whitehead. |
| Pb | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Pb | Sigma | 4.1 | 6 | 4.1 | 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Pb | Sigma | 1.0 | 6 | 1.5 | 7 | | | Diff Sig Int | 4 | PR 98 1300 | Jun55 | TEX | Rhein. |
| Pb | Sigma | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 1 | AE 3 498 | 57 | CCP | Popov. |
| Pb | Sigma | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| Pb | Sigma | 3.7 | 6 | 4.7 | 6 | | | Diff Sig Int | 3 | WADC/TR/59- 31 | Feb59 | TNC | Bostrom. |
| Pb | Sigma | 2.2 | 5 | 2.2 | 5 | | | Ring Geomtry | 1 | ZET 38 1434 | May60 | CCP | Lovchikova. |
| Pb | Sigma | 5.0 | 9 | 5.0 | 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| Pb | Sigma | 6.5 | 5 | 6.5 | 5 | | | Diff Sig Int | 1 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Pb | Sigma | 9.8 | 5 | 9.8 | 5 | | H(n,n) | TimeOfFlight | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Pb | Sigma | 3.0 | 5 | 3.0 | 5 | | | Diff Sig Int | 1 | UPZ 9 577 | 64 | UKR | Korzh. |
| Pb | Sigma | 5.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 2 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Pb | Sigma | 4.0 | 6 | 4.0 | 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| Pb | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Pb | Sigma | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 25 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Pb | Sigma | 8.0 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight* | 1 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Pb | Ang Distrib | 8.4 | 7 | 8.4 | 7 | | σ(Total) | | 12 | PR 77 597 | Mar50 | BRK | Bratenahl. |
| Pb | Ang Distrib | 3.0 | 8 | 3.0 | 8 | | | Ring Geomtry | 14 | UCRL- 1938 | Aug52 | BRK | Ball,W.P. |
| Pb | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 36 | PR 92 114 | Oct53 | BAR | Whitehead. |
| Pb | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Pb | Ang Distrib | 3.4 | 6 | 3.4 | 6 | | | Biased Scint | 9 | HPA 28 331 | 55 | ETH | Brugger. |
| Pb | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | Biased Scint | 11 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Pb | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Ring Geomtry | 12 | PR 98 1300 | Jun55 | TEX | Rhein. |
| Pb | Ang Distrib | 1.0 | 6 | 1.5 | 6 | | | Ring Geomtry | 3 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| Pb | Ang Distrib | 1.4 | 8 | 1.4 | 8 | | | Liquid Scint | 15 | PM 1 1003 | 56 | OXF | Van Zyl. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 7 | BAP 1 56 | Feb56 | BRN | Melhorn,H.A. |
| Pb | Ang Distrib | 3.3 | 6 | 3.3 | 6 | | H(n,n) | Biased Scint | 9 | HPA 29 545 | Apr56 | ETH | Remund,A.E. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 15 | NP 2 124 | Oct56 | GRN | Nauta,H. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 15 | NP 2 124 | Oct56 | GRN | Nauta,H. |
| Pb | Ang Distrib | 9.0 | 5 | 9.0 | 5 | | | Ring Geomtry | 7 | AE 2 174 | 57 | CCP | Lovchikova. |
| Pb | Ang Distrib | 2.3 | 6 | 2.3 | 6 | | | Nuc Emulsion | 6 | AE 3 106 | 57 | CCP | Sal'nikov. |
| Pb | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 6 | AE 3 498 | 57 | CCP | Popov. |
| Pb | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 18 | DOK 113 553 | 57 | CCP | Khaletskii. |
| Pb | Ang Distrib | 3.5 | 8 | 3.5 | 8 | | | Count Telesc | 7 | PPS 71 552 | 58 | LVP | Ashmore. |
| Pb | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | | Ring Geomtry | 6 | PR 109 2105 | Mar58 | WES | Hill. |
| Pb | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 19 | PR 110 160 | Apr58 | LRL | Anderson,J.D.+ |
| Pb | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 30 | PR 111 250 | Jul58 | LAS | Coon. |
| Pb | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | | Ring Geomtry | 9 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 9 | JPJ 13 1248 | Nov58 | KON | Yuasa,K. |
| Pb | Ang Distrib | 3.7 | 6 | 4.7 | 6 | | H(n,n) | Biased Scint | 30 | WADC/TR/59- 31 | Feb59 | TNC | Bostrom. |
| Pb | Ang Distrib | 4.2 | 6 | 4.2 | 6 | | H(n,n) | Biased Scint | 13 | PR 116 986 | Nov59 | TNC | Okhuysen. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Biased Scint | 28 | PR 116 1571 | Dec59 | ANL | Rayburn,L.A. |
| Pb | Ang Distrib | 2.2 | 5 | 2.2 | 5 | | | Ring Geomtry | 5 | ZET 38 1434 | May60 | CCP | Lovchikova. |
| Pb | Ang Distrib | 9.6 | 7 | 9.6 | 7 | | Absolute | Scint Tank | 7 | NP 21 15 | Nov60 | OXF | Salmon,G.L. |
| Pb | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 52 | AE 11 395 | 61 | CCP | Guzhovski. |
| Pb | Ang Distrib | 1.2 | 6 | 3.2 | 6 | | | Proportion C | 31 | PR 127 2192 | Sep62 | ORL | Fowler. |
| Pb | Ang Distrib | 6.5 | 5 | 6.5 | 5 | | | Threshold C | 8 | UPZ 8 1323 | 63 | UKR | Korzh. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | 9 | ZET 44 130 | Jan63 | FTI | Dukarevich. |
| Pb | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | Biased Scint | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Pb | Ang Distrib | 3.0 | 5 | 3.0 | 5 | | | Threshold C | 8 | UPZ 9 577 | 64 | UKR | Korzh. |
| Pb | Ang Distrib | 5.0 | 5 | 8.0 | 5 | | | Threshold C | 16 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| Pb | Ang Distrib | 4.0 | 6 | 4.0 | 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 10 | NP 68 97 | Jun65 | ORL | Stelson. |
| Pb | Ang Distrib | 9.5 | 4 | 9.5 | 4 | | Ratio | TimeOfFlight* | 1 | NP 71 511 | Sep65 | POA | Stroemberg,L.G.+ |
| Pb | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 12 | NP 89 154 | 66 | BCM | Becker. |
| Pb | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | σ(Total) | TimeOfFlight | 26 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| Pb | Ang Distrib | 4.6 | 6 | 4.6 | 6 | | | TimeOfFlight | 7 | CJP 46 1883 | Sep68 | UBC | Tripard. |
| Pb | Ang Distrib | 8.4 | 5 | 8.4 | 5 | | | Biased Scint | 12 | PR 176 1405 | Dec68 | ANL | Kuchnir. |
| Pb | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 20 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Pb | Legendre Fit | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 125 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| Pb | Legendre Fit | 8.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 12 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| Pb | Polarizat n-out | 4.0 | 5 | 1.0 | 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | | | |
| Pb | Ang Distrib | 3.7 | 6 | 1.5 | 7 | | | Ring Geomtry | 45 | PR 98 1300 | Jun55 | TEX | Rhein. |
| Pb | Ang Distrib | 9.8 | 5 | 9.8 | 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| Pb | Sigma | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 1 | AE 3 498 | 57 | CCP | Popov. |
| Pb | Sigma | 1.5 | 7 | 1.5 | 7 | | | Diff Sig Int | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| Pb | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |
| Pb | Sigma | 1.4 | 7 | 1.4 | 7 | | | TimeOfFlight | 1 | AE 11 398 | 61 | CCP | Sukhanov. |
| Pb | Sigma | 8.3 | 9 | 8.3 | 9 | | | Count Telesc | 1 | ZET 42 909 | Mar62 | DUB | Pantuev. |
| Pb | Sigma | 1.5 | 7 | 1.5 | 7 | | Arb Units | $4Pi*\sigma(90°)$ * | 1 | AP 39 295 | Apr69 | LND | Joensson,B.+ |
| Pb | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Ring Geomtry | 26 | PR 111 250 | Jul58 | LAS | Coon. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 1 | BAP 10 498 | Apr65 | LRL | Schectman,R.M.+ |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 17 | NP 68 97 | Jun65 | ORL | Stelson. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Carbon | Count Telesc | 1 | JNE 19 497 | Jul65 | RPI | Pearlstein. |
| Pb | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Arb Units | TimeOfFlight | 39 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| Pb | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | | TimeOfFlight | 13 | PR 142 775 | Feb66 | LAS | Cranberg. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,n'γ) REACTION | | | | | | | | | | |
| Pb | Sigma | 1.4 7 | 1.4 7 | | | CrystalScint | 3 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| Pb | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 6 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Pb | Sigma | 2.6 6 | 2.6 6 | | Absolute | 4Pi*σ(90°) | 7 | PR 102 767 | May56 | LAS | Day,R.B. |
| Pb | Sigma | 2.6 6 | 2.6 6 | N | | 4Pi*σ(90°) | 7 | PR 102 767 | May56 | LAS | Day,R.B. |
| Pb | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | UCRL- 5768 | Aug59 | LRL | Hallet. |
| Pb | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | Crystal Spec | 2 | PR 91 1476 | Sep53 | NRL | Scherrer,V.E.+ |
| Pb | Ang Distrib | 3.2 6 | 3.2 6 | | | CrystalScint | 6 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| Pb | Ang Distrib | 2.6 6 | 2.6 6 | | | Ring Geomtry | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| Pb | Ang Distrib | 3.5 6 | 4.6 6 | | | Ring Geomtry | 14 | WADC/TR/59- 31 | Feb59 | TNC | Bostrom. |
| Pb | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 5 | UCRL- 5768 | Aug59 | LRL | Hallet. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| Pb | Sigma | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 31 | AP 12 135 | Feb61 | ANL | Lane. |
| Pb | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 100 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| Pb | Ang Distrib | 5.0 9 | 5.0 9 | | | Count Telesc | 13 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| Pb | Ang Distrib | 8.3 9 | 8.3 9 | | | Count Telesc | 8 | ZET 42 909 | Mar62 | CCP | Pantuev. |
| Pb | Legendre Fit | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 217 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | |
| Pb | σ(Potential) | 1.0 4 | 1.0 4 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| Pb | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pb | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | ZP 190 295 | 66 | MUN | Niklaus. |
| Pb | σ(Incoherent) | 9.4 0 | 9.4 0 | | | Mirror Refl | 1 | ZP 190 295 | 66 | MUN | Niklaus. |
| Pb | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pb | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pb | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | | 1 | WEISS 52 | 52 | BNL | Weiss. |
| Pb | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Total | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Pb | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Mirror Refl | 1 | ZP 190 295 | 66 | MUN | Niklaus. |
| Pb | σ(Free Atom) | 1.4 0 | 1.4 0 | | | | 1 | ORNL-1164 34 | 51 | ORL | Rayburn. |
| Pb | σ(Free Atom) | 9.4 0 | 9.4 0 | | Absolute | AverageTrans | 1 | ZP 190 295 | 66 | MUN | Niklaus. |
| Pb | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| Pb | Scatt Amplitude | 1.3 2 | 1.3 2 | | Absolute | Transmission* | 1 | ZN A 26 442 | Mar71 | MUN | Dilg,W.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| Pb | Sigma | 1.4 7 | 1.4 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| Pb | Sigma | 1.4 7 | 1.4 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| Pb | Sigma | 1.4 7 | 1.4 7 | | | | 1 | AE 5 657 | Dec58 | CCP | Flerov,N.N.+ |
| Pb | Sigma | 1.4 7 | 1.4 7 | | | | 1 | NP 49 489 | 63 | HUN | Adam. |
| Pb | Sigma | 1.5 7 | 1.5 7 | | Arb Units | 4Pi*σ(90°) * | 1 | AP 39 295 | Apr69 | LND | Joensson,B.+ |
| | MISC FISS QUANT | | | | | | | | | | |
| Pb | Neutron/Capture | 1.4 7 | 1.4 7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | REMOVAL CROSS SECT | | | | | | | | | | |
| Pb | Sigma | 4.0 6 | 1.5 7 | | Absolute | Fission Det | 2 | SJA 6 431 | Dec60 | CCP | Broder,D.L.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| Pb | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Pb | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| Pb | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 83 641 | Aug51 | ORL | Pomerance,H. |
| | ACTIVATION X-SECT | | | | | | | | | | |
| Pb | Sigma | 1.5 7 | 1.5 7 | | $Pr^{144}$ | Activation * | 1 | AHP 25 91 | Oct68 | DEB | Peto,G.+ |
| | NONELASTIC SCATT | | | | | | | | | | |
| Pb | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 88 600 | Nov52 | LAS | Phillips,D.D.+ |
| Pb | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| Pb | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| Pb | Sigma | 8.0 5 | 1.6 6 | | Absolute | Shell Trans | 8 | ALLEN 55C | Mar55 | LAS | Allen. |
| Pb | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| Pb | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Pb | Sigma | 1.0 6 | 4.5 6 | | Absolute | Shell Trans | 3 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| Pb | Sigma | 4.1 6 | 4.1 6 | | Absolute | Shell Trans | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| Pb | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Pb | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| Pb | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Flerov. |
| Pb | Sigma | 5.5 7 | 1.4 8 | | | Scint Tank | 4 | PRS 236 41 | 56 | OXF | Voss,R.G.P.+ |
| Pb | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| Pb | Sigma | 2.5 6 | 7.0 6 | | Absolute | Shell Trans | 2 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| Pb | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| Pb | Sigma | 1.4 7 | 1.4 7 | | | Shell Trans | 2 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Pb | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| Pb | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| Pb | Sigma | 2.1 7 | 2.9 7 | | Absolute | Shell Trans | 3 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| Pb | Sigma | 2.9 6 | 2.9 6 | | | Proportion C | 1 | AE 5 565 | Dec58 | CCP | Kukhtevich,V.I.+ |
| Pb | Sigma | 8.2 6 | 1.9 7 | | Absolute | Shell Trans | 5 | PR 113 1088 | Feb59 | RIC | Bonner,T.W.+ |
| Pb | Sigma | 5.0 9 | 5.0 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| Pb | Sigma | 1.3 7 | 2.0 7 | | Absolute | Shell Trans | 4 | AE 11 397 | Oct61 | CCP | Degtyarev. |
| Pb | Sigma | 1.4 7 | 1.4 7 | | | Shell Trans | 1 | PR 132 1211 | Nov63 | LSU | Haas,G.M.+ |
| Pb | Sigma | 8.1 6 | 8.1 6 | | | Shell Trans | 1 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| Pb | Sigma | 1.7 6 | 2.1 6 | | | CrystalScint | 2 | 66WASH- 726 | Mar66 | MIT | Beghian,L.E.+ |
| Pb | Sigma | 1.5 7 | 1.5 7 | | Absolute | Shell Trans | 1 | PR 161 1181 | Sep67 | BOS | Chatterjee,A.+ |
| Pb | Ang Distrib | 1.5 7 | 1.5 7 | | | TimeOfFlight | 16 | NDL/TR- 86 | Jan67 | TNC | Mathur. |
| Pb | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight* | 11 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Pb | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| Pb | Sigma | 7.9 5 | 1.5 6 | | Absolute | Accelerator | 15 | PR 76 277 | Jul49 | WIS | Bockelman. |
| Pb | Sigma | 1.8 4 | 7.6 5 | | Absolute | Accelerator | 105 | PR 76 1146 | Oct49 | WIS | Barschall. |
| Pb | Sigma | 6.9 5 | 7.5 5 | | Absolute | Accelerator | 26 | PR 79 935 | Sep50 | WIS | Peterson. |
| Pb | Sigma | 6.1 5 | 2.3 6 | | Absolute | Accelerator | 31 | WILLARD 50I | Sep50 | MIT | Willard. |
| Pb | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| Pb | Sigma | 2.0 6 | 5.9 6 | | Absolute | Accelerator | 15 | PPS 64 388 | 51 | CAV | Stafford. |
| Pb | Sigma | 1.4 7 | 1.4 7 | | | Accelerator | 1 | PR 81 139 | Jan51 | CAR | Lasday. |
| Pb | Sigma | 1.0 6 | 3.2 6 | | Absolute | Accelerator | 16 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| Pb | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | |
| Pb | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| Pb | Sigma | 3.7 7 | 1.5 8 | | Absolute | Count Telesc | 14 | PM 44 95 | 53 | HAR | Taylor. |
| Pb | Sigma | 2.9 6 | 1.3 7 | | Absolute | Ion Chamber | 33 | PR 89 775 | Feb53 | LAS | Nereson. |
| Pb | Sigma | 1.2 4 | 8.1 4 | | Absolute | Accelerator | 104 | GIBBONS 53E | May53 | DKE | Gibbons. |
| Pb | Sigma | 3.7 6 | 3.7 6 | | | Ring Geomtry | 1 | PR 92 114 | Oct53 | BAR | Whitehead. |
| Pb | Sigma | 1.9 7 | 1.9 7 | | Absolute | Biased Scint | 1 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| Pb | Sigma | 4.8 7 | 8.8 7 | | Absolute | Liquid Scint | 2 | PR 96 115 | Oct54 | HRV | Hillman. |
| Pb | Sigma | 1.8 -4 | 5.9 -3 | | Absolute | TimeOfFlight | 60 | PALEVSKY 55D | Apr55 | BNL | Palevsky. |
| Pb | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| Pb | Sigma | 1.4 9 | 1.4 9 | | | Count Telesc | 1 | PR 98 1369 | Jun55 | BNL | Coor,T.+ |
| Pb | Sigma | 6.1 7 | 1.1 8 | | | Count Telesc | 12 | PR 99 740 | Aug55 | HRV | Culler,V.+ |
| Pb | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| Pb | Sigma | 1.3 7 | 1.6 7 | | Absolute | Accelerator | 10 | PR 100 972 | Nov55 | MBX | Mazari. |
| Pb | Sigma | 1.3 0 | 4.6 0 | | Absolute | Crystal Spec | 20 | PR 104 1425 | Dec56 | BNL | Wood. |
| Pb | Sigma | 1.5 7 | 1.5 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| Pb | Sigma | 2.3 6 | 2.7 6 | | Absolute | Accelerator | 14 | BAP 2 232 | Apr57 | TEX | Bennett. |
| Pb | Sigma | 6.7 6 | 2.6 7 | S | Absolute | Biased Scint | 6 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| Pb | Sigma | 2.1 6 | 3.2 6 | | Absolute | Accelerator | 19 | BCS 44 851 | 58 | LVN | Deconninck. |
| Pb | Sigma | 1.4 7 | 1.5 7 | | | Biased Scint | 19 | NP 6 260 | 58 | LVN | Vervier,J.P.+ |
| Pb | Sigma | 1.3 7 | 1.6 7 | | | Accelerator | 6 | PR 109 1268 | Feb58 | LAS | Conner,J.P. |
| Pb | Sigma | 4.0 6 | 8.1 6 | | Absolute | Accelerator | 40 | PR 110 466 | Apr58 | COL | Weil. |
| Pb | Sigma | 2.1 2 | 2.1 4 | | | TimeOfFlight | 89 | PR 110 692 | May58 | BNL | Seth. |
| Pb | Sigma | 7.2 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| Pb | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| Pb | Sigma | 1.6 7 | 1.2 8 | | Carbon | TimeOfFlight | 64 | NP 22 640 | Feb61 | HAR | Bowen,P.H.+ |
| Pb | Sigma | 3.0 5 | 7.4 5 | | Absolute | TimeOfFlight | 153 | PR 121 1150 | Feb61 | DKE | Wilenzick. |
| Pb | Sigma | 5.0 9 | 5.0 9 | | | Count Telesc | 1 | PR 123 1850 | Sep61 | BRK | Atkinson,J.H.+ |
| Pb | Sigma | 8.3 9 | 8.3 9 | | | Count Telesc | 1 | ZET 42 909 | Mar62 | DUB | Pantuev. |
| Pb | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | 62MADRAS- 61 | Mar62 | BOS | Mitra. |
| Pb | Sigma | 9.8 5 | 9.8 5 | | Absolute | Accelerator | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| Pb | Sigma | 1.4 7 | 1.4 7 | | | Accelerator | 1 | PR 132 1211 | Nov63 | LSU | Haas,G.M.+ |
| Pb | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| Pb | Sigma | 6.0 5 | 1.2 6 | | Absolute | CrystalScint | 175 | EANDC/E- 57 150 | Feb65 | PR | Cabe. |
| Pb | Sigma | 2.0 6 | 1.0 7 | | Absolute | TimeOfFlight | 347 | COO/1573- 6 | Sep66 | CSE | Shrader,E.F.+ |
| Pb | Sigma | 2.5 6 | 1.5 7 | | Absolute | TimeOfFlight | 231 | FOSTER 67E | May67 | BNW | Foster. |
| Pb | Sigma | 2.5 6 | 7.5 6 | | Absolute | Accelerator | 167 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Pb | Sigma | 2.5 6 | 7.5 6 | S | Absolute | Accelerator | 167 | PR 158 1142 | Jun67 | WIS | Carlson. |
| Pb | Sigma | 7.3 5 | 4.4 6 | S | | TimeOfFlight* | 858 | 68WASH- 771 | Mar68 | NBS | Schwartz,R.B.+ |
| Pb | Sigma | 2.7 10 | 2.7 10 | | | | 1 | PL B 27 328 | Aug68 | MHG | Jones. |
| Pb | Sigma | 5.4 6 | 6.2 6 | | Absolute | Transmission* | 21 | CHP 6 74 | Oct68 | THU | Chao-Yie Yang.+ |
| Pb | Sigma | 9.9 7 | 1.5 8 | | Absolute | Accelerator | 6 | NP A119 197 | Oct68 | USA | Schneider. |
| Pb | Sigma | 1.5 7 | 1.5 7 | | Absolute | Assoc Part * | 1 | AJP 37 482 | May69 | OAU | |
| Pb | Sigma | 8.9 6 | 8.9 6 | | Absolute | CrystalScint | 1 | AJP 37 649 | Jun69 | ORL | |
| Pb | Sigma | 5.7 9 | 5.7 9 | | Absolute | Transmission* | 1 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.P.+ |
| Pb | Sigma | 1.3 2 | 1.3 2 | | Absolute | Transmission* | 1 | ZN A 26 442 | Mar71 | MUN | Dilg,W.+ |
| Pb | Sigma | 4.7 5 | 1.5 7 | | Absolute | TimeOfFlight* | 3454 | HEATON 71G 1 | Jul71 | NBS | Schwartz,R.B.+ |
| | γ-WIDTH | | | | | | | | | | |
| Pb | Γ(γ) | 1.2 4 | 2.4 4 | | | AreaAnalysis | 4 | BAP 8 513 | 63 | HAR | Block. |
| | n-WIDTH | | | | | | | | | | |
| Pb | Γ(n) | 1.2 4 | 1.2 7 | | | AreaAnalysis | 14 | BAP 8 513 | 63 | HAR | Block. |
| | OTHER RESON PARAM | | | | | | | | | | |
| Pb | Resonance Energy | 1.2 5 | 1.5 5 | | | TimeOfFlight | 3 | AP 14 387 | 61 | DKE | Bilpuch. |
| | LEVEL DENS PARAM | | | | | | | | | | |
| Pb | Nucl Temperature | 1.4 7 | 1.4 7 | | | | 2 | YF 2 826 | Nov65 | PEI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pb^{204}$ | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | ANL-6797 236 | 63 | LAS | Jurney. |
| $Pb^{204}$ | Sigma | 3.0 4 | 1.6 5 | | $Ta^{181}$ | Liquid Scint | 5 | PR 159 1007 | Jul67 | ORL | Macklin. |
| | INEL SCATTERING | | | | | | | | | | |
| $Pb^{204}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Pb^{204}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Pb^{204}$ | Sigma | 1.0 7 | 1.4 7 | | | Activation | 5 | UCRL- 6028 | Jun60 | LRL | Tewes. |
| $Pb^{204}$ | Sigma | 1.2 7 | 1.9 7 | | | Activation | 26 | VAUGHN 63I | Sep63 | LOK | Vaughn. |
| $Pb^{204}$ | Sigma | 1.3 7 | 1.6 7 | | H(n,n) | Activation | 13 | EANDC/E- 76 51 | Jan67 | HAM | Bormann,M.+ |
| $Pb^{204}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}(n,2n)$ | Activation * | 1 | AHP 23 87 | May67 | DEB | Csikai. |
| $Pb^{204}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation * | 1 | NP A118 9 | Sep68 | MUN | Dilg,W.+ |
| $Pb^{204}$ | Sigma | 1.5 7 | 1.5 7 | | $Pr^{141}$ | Activation * | 1 | AHP 25 91 | Oct68 | DEB | Peto,G.+ |
| $Pb^{204}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation | 1 | NST 8 59 | Feb71 | KTO | Kimura,I.+ |
| $Pb^{204}$ | Sigma | 1.0 6 | 1.0 6 | | | Activation * | 1 | 71CANTERB- 15 | Sep71 | JUL | Qaim,S.M.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pb^{204}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Pb^{204}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 2 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Pb^{204}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 111 590 | Jul58 | ANL | Wing. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pb^{204}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V |
| | γ-WIDTH | | | | | | | | | | |
| $Pb^{204}$ | gΓ(γ) | 1.7 3 | 1.3 4 | | | | 5 | RPI/328- 160 (2) | Mar69 | RPI | Wolfe. |
| $Pb^{204}$ | $g\Gamma(\gamma)\Gamma(n)/\Gamma$ | 1.3 3 | 2.7 4 | | | | 9 | RPI/328- 160 (2) | Mar69 | RPI | Wolfe. |
| | n-WIDTH | | | | | | | | | | |
| $Pb^{204}$ | Γ(n) | 1.7 3 | 1.3 4 | | | AreaAnalysis | 5 | BAP 8 513 | 63 | HAR | Block. |
| $Pb^{204}$ | Γ(n) | 6.5 3 | 5.9 4 | | | AreaAnalysis | 24 | PR 153 1356 | Jan67 | ORL | Gibbons. |
| $Pb^{204}$ | Γ(n) | 6.5 3 | 5.9 4 | | | Shape Analys | 24 | PR 153 1356 | Jan67 | ORL | Gibbons. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | |
| $Pb^{204}$ | Strength Fn(l=0) | 3.2 4 | 3.2 4 | | | Shape Analys | 1 | PR 153 1356 | Jan67 | ORL | Gibbons. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pb^{206}$ | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | ANL-6797 236 | 63 | LAS | Jurney. |
| $Pb^{206}$ | Sigma | 1.4 4 | 5.8 4 | | $Ta^{181}$ | Moxon-Rae C | 42 | PR 136B 695 | Nov64 | ORL | Macklin. |
| $Pb^{206}$ | Sigma | 1.6 6 | 8.4 6 | | H(n,n) | $4Pi*\sigma(90°)$ * | 25 | NP A153 553 | Sep70 | AE | Bergqvist,I.+ |
| | γ,EMISSION | | | | | | | | | | |
| $Pb^{206}$ | Ang Distrib | 4.1 6 | 4.1 6 | | | TimeOfFlight | 9 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| $Pb^{206}$ | Ang Distrib | 1.5 7 | 1.5 7 | | Carbon | TimeOfFlight | 14 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Pb^{206}$ | Sigma | 1.0 6 | 1.0 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Pb^{206}$ | Ang Distrib | 5.0 5 | 2.5 6 | | | | 72 | DAY 65G | Jul65 | LAS | Day. |
| | INEL SCATTERING | | | | | | | | | | |
| $Pb^{206}$ | Ang Distrib | 8.0 6 | 8.0 6 | | | TimeOfFlight | 18 | PR 142 775 | Feb66 | LAS | Cranberg. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Pb^{206}$ | Sigma | 1.2 6 | 2.7 6 | | | Accelerator | 33 | PR 95 939 | Aug54 | MIT | Kiehn. |
| $Pb^{206}$ | Sigma | 2.6 6 | 2.6 6 | | Absolute | $4Pi*\sigma(90°)$ | 5 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Pb^{206}$ | Sigma | 2.6 6 | 2.6 6 | N | | $4Pi*\sigma(90°)$ | 5 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Pb^{206}$ | Sigma | 1.4 6 | 3.1 6 | | | Ring Geomtry | 100 | AP 12 485 | 61 | LAS | Lind. |
| $Pb^{206}$ | Sigma | 7.0 5 | 3.1 6 | | | CrystalScint | 234 | AP 12 485 | 61 | LAS | Lind. |
| $Pb^{206}$ | Sigma | 2.9 6 | 2.9 6 | | | Diff Sig Int | 2 | PR 124 1531 | Dec61 | KTY | Boring,J.W.+ |
| $Pb^{206}$ | Ang Distrib | 2.6 6 | 2.6 6 | | | Ring Geomtry | 5 | PR 102 767 | May56 | LAS | Day,R.B. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Pb^{206}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | NP A 98 451 | Jun67 | IIT | Yu-Wen Yu. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pb^{206}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PPS 65 761 | 52 | HAR | Aitken. |
| $Pb^{206}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Pb^{206}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| | NONELASTIC SCATT | | | | | | | | | | |
| $Pb^{206}$ | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Pb^{206}$ | Sigma | 1.4 7 | 1.4 7 | | | Shell Trans | 1 | PR 132 1211 | Nov63 | LSU | Haas,G.M.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pb^{206}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $Pb^{206}$ | Sigma | 5.0 5 | 4.1 6 | | Absolute | | 4 | DAY 65G | Jul65 | LAS | Day. |
| $Pb^{206}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |
| $Pb^{206}$ | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 502 | POSTER 67E | May67 | BNW | Poster. |
| | γ-WIDTH | | | | | | | | | | |
| $Pb^{206}$ | $\Gamma(\gamma)$ | 3.3 3 | 2.5 4 | | | AreaAnalysis | 3 | BAP 8 513 | 63 | HAR | Block. |
| $Pb^{206}$ | $g\Gamma(\gamma)$ | 1.6 4 | 4.6 4 | | | AreaAnalysis | 4 | PR 136B 695 | Nov64 | ORL | Macklin. |
| $Pb^{206}$ | $g\Gamma(\gamma)\Gamma(n)/\Gamma$ | 2.1 4 | 2.1 4 | | | AreaAnalysis | 1 | PR 136B 695 | Nov64 | ORL | Macklin. |
| | n-WIDTH | | | | | | | | | | |
| $Pb^{206}$ | $\Gamma(n)$ | 3.3 3 | 2.5 4 | | | AreaAnalysis | 6 | BAP 8 513 | 63 | HAR | Block. |
| $Pb^{206}$ | $2g\Gamma(n)$ | 1.3 5 | 1.9 5 | | | AreaAnalysis | 3 | AN 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{206}$ | $2g\Gamma(n)$ | 8.5 4 | 2.0 5 | | | AreaAnalysis | 2 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{206}$ | $g\Gamma(n,l=1)$ | 8.5 4 | 2.0 5 | | | AreaAnalysis | 5 | AP 14 387 | 61 | DKE | Bilpuch. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Pb^{206}$ | $\Gamma$ | 1.2 4 | 7.5 4 | | | AreaAnalysis | 13 | PR 136B 695 | Nov64 | ORL | Macklin. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Pb^{206}$ | Spin of Reson | 6.6 4 | 6.6 4 | | | AreaAnalysis | 1 | PR 136B 695 | Nov64 | ORL | Macklin. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Pb^{206}$ | Level Spacing | 1.1 5 | 1.1 5 | | | TimeOfFlight | 2 | AP 14 346 | 61 | DKE | Newson. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pb^{207}$ | Sigma | 2.5 -2 | 2.5 -2 | | | CaptureGamma | 1 | ANL-6797 236 | 63 | LAS | Jurney. |
| $Pb^{207}$ | Sigma | 1.4 4 | 5.8 4 | | $Ta^{181}$ | Moxon-Rae C | 38 | PR 136B 695 | Nov64 | ORL | Macklin. |
| | γ,EMISSION | | | | | | | | | | |
| $Pb^{207}$ | Ang Distrib | 4.1 6 | 4.1 6 | | | TimeOfFlight | 9 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| $Pb^{207}$ | Ang Distrib | 1.5 7 | 1.5 7 | | Carbon | TimeOfFlight | 14 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Pb^{207}$ | Ang Distrib | 5.0 5 | 2.5 6 | | | | 51 | DAY 65G | Jul65 | LAS | Day. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Pb^{207}$ | Sigma | 2.6 6 | 2.6 6 | | Absolute | $4Pi*\sigma(90°)$ | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Pb^{207}$ | Sigma | 2.6 6 | 2.6 6 | N | | $4Pi*\sigma(90°)$ | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Pb^{207}$ | Sigma | 1.8 6 | 1.4 7 | | | CrystalScint | 11 | BAP 7 334 | Apr62 | LAS | Shunk. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pb^{207}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PPS 65 761 | 52 | HAR | Aitken. |
| $Pb^{207}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Pb^{207}$ | Sigma | 2.2 5 | 8.3 5 | | | | 2 | AE 14 185 | Feb63 | CCP | Belanova,T.S. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pb^{207}$ | Sigma | 1.0 4 | 5.9 4 | | Absolute | TimeOfFlight | 143 | PR 136B 695 | Nov64 | ORL | Macklin. |
| $Pb^{207}$ | Sigma | 5.0 5 | 4.1 6 | | Absolute | | 4 | DAY 65G | Jul65 | LAS | Day. |
| $Pb^{207}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | PTI | Dukarevich,Yu.V.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | γ-WIDTH | | | | | | | | | | | | |
| $Pb^{207}$ | Γ(γ) | 3.1 | 3 | 3.1 | 3 | | | AreaAnalysis | 1 | BAP 8 513 | 63 | HAR | Block. |
| $Pb^{207}$ | gΓ(γ) | 1.7 | 4 | 2.9 | 4 | | | AreaAnalysis | 2 | PR 136B 695 | Nov64 | ORL | Macklin. |
| | n-WIDTH | | | | | | | | | | | | |
| $Pb^{207}$ | Γ(n) | 3.1 | 3 | 1.7 | 4 | | | AreaAnalysis | 4 | BAP 8 513 | 63 | HAR | Block. |
| $Pb^{207}$ | 2gΓ(n) | 2.8 | 4 | 1.4 | 5 | | | AreaAnalysis | 4 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{207}$ | Γ(n,l=0) | 4.4 | 4 | 5.0 | 4 | | | AreaAnalysis | 2 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{207}$ | 2gΓ(n,l=0) | 2.8 | 4 | 2.8 | 4 | | | AreaAnalysis | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{207}$ | gΓ(n,l=1) | 7.2 | 4 | 1.4 | 5 | | | AreaAnalysis | 3 | AP 14 387 | 61 | DKE | Bilpuch. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Pb^{207}$ | Γ | 4.4 | 4 | 5.0 | 4 | | | AreaAnalysis | 2 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{207}$ | Γ | 1.2 | 4 | 3.7 | 7 | | | AreaAnalysis | 12 | PR 136B 695 | Nov64 | ORL | Macklin. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Pb^{207}$ | Spin of Reson | 4.4 | 4 | 5.0 | 4 | | | AreaAnalysis | 2 | AP 14 387 | 61 | DKE | Bilpuch. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Pb^{207}$ | Level Spacing | 1.8 | 5 | 1.8 | 5 | | | TimeOfFlight | 2 | AP 14 346 | 61 | DKE | Newson. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Pb^{208}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Pb^{208}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Pb^{208}$ | Sigma | 2.0 | 5 | 2.7 | 6 | | $I^{127}$ | Activation | 3 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Pb^{208}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | PR 152 1055 | Dec66 | MUA | Chaubey,A.K.+ |
| $Pb^{208}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| $Pb^{208}$ | Sigma | 1.3 | 7 | 1.5 | 7 | | σ(E≠E(th)) | Activation * | 7 | NP A 95 229 A | Mar67 | DEB | Csikai,J.+ |
| $Pb^{208}$ | Area | 3.1 | 4 | 1.9 | 5 | | Au(n,γ) | Activation * | 10 | PR 181 1639 | May69 | ORL | Macklin. |
| | γ,EMISSION | | | | | | | | | | | | |
| $Pb^{208}$ | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | TimeOfFlight | 7 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| $Pb^{208}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Carbon | TimeOfFlight | 11 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $Pb^{208}$ | Ang Distrib | 5.0 | 5 | 2.5 | 6 | | | | 111 | DAY 65G | Jul65 | LAS | Day. |
| $Pb^{208}$ | Ang Distrib | 7.1 | 5 | 1.8 | 6 | | Absolute | CrystalScint | 306 | PR 147 870 | Jul66 | ORL | Fowler. |
| | INEL SCATTERING | | | | | | | | | | | | |
| $Pb^{208}$ | Sigma | 3.2 | 6 | 4.5 | 6 | | H(n,n) | TimeOfFlight | 16 | NP 44 256 | Jun63 | ALD | Towle,J.H.+ |
| $Pb^{208}$ | Ang Distrib | 4.0 | 6 | 4.0 | 6 | | Arb Units | TimeOfFlight | 13 | NP 44 256 | Jun63 | ALD | Towle,J.H.+ |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| $Pb^{208}$ | Ang Distrib | 3.3 | 6 | 4.6 | 6 | | | Ring Geomtry | 10 | WADC/TR/59- 31 | Feb59 | TNC | Bostrom. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Pb^{208}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | ZET 40 520 | 61 | CCP | Glagolev. |
| $Pb^{208}$ | Sigma | 8.0 | 6 | 1.4 | 7 | | | CrystalScint | 5 | BAP 7 334 | Apr62 | LAS | Shunk. |
| $Pb^{208}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Iron | Activation * | 1 | NP 88 349 | Nov66 | MUA | Rama Prasad,P.+ |
| | (n,p) REACTION | | | | | | | | | | | | |
| $Pb^{208}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Pb^{208}$ | Sigma | 1.5 | 7 | 1.9 | 7 | | $Na^{23}$ | Activation * | 5 | EANDC/E- 89 | Feb68 | GER | Bass,R.+ |
| | (n,alpha) REACTION | | | | | | | | | | | | |
| $Pb^{208}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Pb^{208}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Pb^{208}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Pile Oscilat | 1 | EANDC/E- 49 82 | Oct63 | FAR | Cabe,J.+ |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| $Pb^{208}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 1 | PR 132 1211 | Nov63 | LSU | Haas,G.M.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Pb^{208}$ | Sigma | 7.2 | 5 | 1.9 | 6 | | Absolute | Accelerator | 536 | PR 127 2192 | Sep62 | ORL | Fowler. |
| $Pb^{208}$ | Sigma | 5.0 | 5 | 4.1 | 6 | | Absolute | | 4 | DAY 65G | Jul65 | LAS | Day. |
| $Pb^{208}$ | Sigma | 2.3 | 4 | 8.8 | 4 | | Absolute | TimeOfFlight | 120 | PR 153 1356 | Jan67 | ORL | Gibbons. |
| $Pb^{208}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| $Pb^{208}$ | Sigma | 2.5 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 231 | POSTER 67E | May67 | BNW | Poster. |
| | γ-WIDTH | | | | | | | | | | | | |
| $Pb^{208}$ | gΓ(γ) | 1.2 | 4 | 1.2 | 5 | | | * | 5 | PR 181 1639 | May69 | ORL | Macklin. |
| | n-WIDTH | | | | | | | | | | | | |
| $Pb^{208}$ | Γ(n) | 3.5 | 5 | 7.2 | 5 | | | | 4 | PR 121 1150 | Feb61 | DKE | Wilenzick. |
| $Pb^{208}$ | Γ(n) | 7.0 | 4 | 7.7 | 4 | | | AreaAnalysis | 4 | PR 153 1356 | Jan67 | ORL | Gibbons. |
| $Pb^{208}$ | Γ(n) | 7.0 | 4 | 7.7 | 4 | | | Shape Analys | 4 | PR 153 1356 | Jan67 | ORL | Gibbons. |
| $Pb^{208}$ | 2gΓ(n) | 9.1 | 4 | 9.1 | 4 | | | AreaAnalysis | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{208}$ | Γ(n,l=0) | 5.1 | 5 | 5.1 | 5 | | | | 1 | PR 121 1150 | Feb61 | DKE | Wilenzick. |
| $Pb^{208}$ | 2gΓ(n,l=0) | 9.1 | 4 | 9.1 | 4 | | | AreaAnalysis | 1 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{208}$ | Γ(n,l=1) | 8.0 | 4 | 1.2 | 5 | | | AreaAnalysis | 2 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{208}$ | Γ(n,l=1) | 3.5 | 5 | 7.2 | 5 | | | | 3 | PR 121 1150 | Feb61 | DKE | Wilenzick. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Pb^{208}$ | Γ | 3.5 | 5 | 7.2 | 5 | | | | 3 | PR 79 935 | Sep50 | WIS | Peterson. |
| $Pb^{208}$ | Γ | 8.0 | 4 | 1.2 | 5 | | | AreaAnalysis | 2 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{208}$ | Γ | 7.2 | 5 | 1.9 | 6 | | | TimeOfFlight | 24 | PR 127 2192 | Sep62 | ORL | Fowler. |
| $Pb^{208}$ | Γ | 7.2 | 5 | 1.8 | 6 | | | TimeOfFlight | 21 | PR 147 870 | Jul66 | ORL | Fowler. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Pb^{208}$ | Resonance Energy | 1.2 | 4 | 1.2 | 5 | | | * | 5 | PR 181 1639 | May69 | ORL | Macklin. |
| $Pb^{208}$ | σ(0) | 7.2 | 5 | 1.9 | 6 | | | TimeOfFlight | 24 | PR 127 2192 | Sep62 | ORL | Fowler. |
| $Pb^{208}$ | Spin of Reson | 3.5 | 5 | 7.2 | 5 | | | | 3 | PR 79 935 | Sep50 | WIS | Peterson. |
| $Pb^{208}$ | Spin of Reson | 8.0 | 4 | 1.2 | 5 | | | AreaAnalysis | 2 | AP 14 387 | 61 | DKE | Bilpuch. |
| $Pb^{208}$ | Spin of Reson | 7.2 | 5 | 1.9 | 6 | | | TimeOfFlight | 24 | PR 127 2192 | Sep62 | ORL | Fowler. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESON PARAM (CONTINUED) | | | | | | | | | | | | |
| $Pb^{208}$ | Spin of Reson | 7.2 | 5 | 1.8 | 6 | | | TimeOfFlight | 21 | PR 147 870 | Jul66 | ORL | Fowler. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Pb^{208}$ | Level Spacing | 1.1 | 5 | 1.1 | 5 | | | TimeOfFlight | 2 | AP 14 346 | 61 | DKE | Newson. |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| LeadR | Sigma | 4.2 | 6 | 4.2 | 6 | | H(n,n) | Diff Sig Int | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| LeadR | Sigma | 8.0 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight* | 1 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| LeadR | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| LeadR | Ang Distrib | 2.2 | 6 | 2.2 | 6 | | Iron | Biased Scint | 14 | PR 112 1192 | Nov58 | BNL | Landon. |
| LeadR | Ang Distrib | 4.2 | 6 | 4.2 | 6 | | H(n,n) | Biased Scint | 13 | PR 116 986 | Nov59 | TNC | Okhuysen. |
| LeadR | Ang Distrib | 4.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| LeadR | Ang Distrib | 7.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 30 | PRL 14 913 | May65 | LAS | Zafiratos. |
| LeadR | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 19 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| LeadR | Legendre Fit | 8.0 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 12 | AE- 430 | Sep71 | AE | Holmqvist,B.+ |
| | INEL SCATTERING | | | | | | | | | | | | |
| LeadR | Ang Distrib | 2.4 | 6 | 2.4 | 6 | | H(n,n) | Biased Scint | 3 | PR 103 343 | Jul56 | LAS | Cranberg. |
| LeadR | Ang Distrib | 2.2 | 6 | 2.2 | 6 | | Iron | TimeOfFlight | 11 | PR 112 1192 | Nov58 | BNL | Landon. |
| LeadR | Ang Distrib | 4.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| LeadR | Ang Distrib | 8.0 | 6 | 8.0 | 6 | | | TimeOfFlight | 18 | PR 142 775 | Feb66 | LAS | Cranberg. |
| | (n,n'γ) REACTION | | | | | | | | | | | | |
| LeadR | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Ring Geomtry | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| LeadR | Sigma | 4.2 | 6 | 4.2 | 6 | | | Total | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| LeadR | Sigma | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 1 | PR 132 1211 | Nov63 | LSU | Haas,G.M.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| LeadR | Sigma | 8.4 | 5 | 3.2 | 6 | | Absolute | Accelerator | 15 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| LeadR | Sigma | 1.4 | 7 | 1.4 | 7 | | | Accelerator | 1 | PR 132 1211 | Nov63 | LSU | Haas,G.M.+ |
| LeadR | Sigma | 1.0 | 4 | 8.4 | 4 | | Absolute | TimeOfFlight | 137 | PR 136B 695 | Nov64 | ORL | Macklin. |
| LeadR | Sigma | 2.5 | 6 | 7.5 | 6 | | Absolute | Accelerator | 164 | PR 158 1142 | Jun67 | WIS | Carlson. |
| LeadR | Sigma | 2.5 | 6 | 7.5 | 6 | S | Absolute | Accelerator | 164 | PR 158 1142 | Jun67 | WIS | Carlson. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,2n) REACTION | | | | | | | | | | | | |
| $Bi^{208}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | Copper | CrystalScint | 1 | CR 265 712 | Sep66 | GRE | Monnand,E.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | PR 75 1781 | Jun49 | ANL | Hughes. |
| $Bi^{209}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Bi^{209}$ | Sigma | 2.0 | 4 | 2.0 | 4 | | $I^{127}$ | Activation | 1 | PR 112 226 | Oct58 | LRL | Booth. |
| $Bi^{209}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Bi^{209}$ | Sigma | 4.0 | 5 | 4.0 | 5 | | $U^{235}$(n,f) | Scint Tank | 1 | PR 120 556 | Oct60 | LAS | Diven. |
| $Bi^{209}$ | Sigma | 3.0 | 4 | 6.5 | 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| $Bi^{209}$ | Sigma | 9.0 | 3 | 5.4 | 4 | | $Ta^{181}$ | Moxon-Rae C | 26 | MACKLIN 64C | Mar64 | ORL | Macklin. |
| $Bi^{209}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| $Bi^{209}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation * | 1 | NP A 95 229 | Mar67 | DEB | Csikai,J.+ |
| $Bi^{209}$ | Sigma | 4.7 | 6 | 8.3 | 6 | C | Absolute | TimeOfFlight* | 5 | NP A120 161 | Nov68 | FOA | Bergqvist,B.+ |
| $Bi^{209}$ | Sigma | 3.0 | 6 | 3.0 | 6 | | $S^{32}$(n,p) | Activation * | 1 | AHP 28 257 | Jan70 | DEB | Diksic,M.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 2.3 | 6 | 2.9 | 6 | | Copper | Ion Chamber | 7 | JMJ 26 66 | 44 | JAP | Nonaka,I. |
| $Bi^{209}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Ge(Li)Detect* | 34 | ZP 245 13 | Jul71 | MUN | Peicht,E.J.+ |
| $Bi^{209}$ | Ang Distrib | 2.5 | 6 | 4.1 | 6 | | | Long Counter | 18 | AN.PROG.REP.61A | Jan61 | TNC | Poularikas. |
| $Bi^{209}$ | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | CrystalScint | 1 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| $Bi^{209}$ | Ang Distrib | 2.5 | 6 | 4.1 | 6 | | | TimeOfFlight | 17 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| $Bi^{209}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Carbon | TimeOfFlight | 15 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| $Bi^{209}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | Carbon | Ge(Li)Detect* | 5 | AP 39 295 | Apr69 | LND | Joensson,B.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Bi^{209}$ | Sigma | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 1 | PR 94 1267 | Jun54 | BAR | Snowden. |
| $Bi^{209}$ | Sigma | 4.1 | 6 | 4.1 | 6 | | | Diff Sig Int | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| $Bi^{209}$ | Sigma | 5.0 | 5 | 5.0 | 5 | | | Diff Sig Int | 1 | PR 104 731 | Nov56 | LAS | Allen. |
| $Bi^{209}$ | Sigma | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 1 | AE 3 498 | 57 | CCP | Popov. |
| $Bi^{209}$ | Sigma | 4.2 | 6 | 4.2 | 6 | | H(n,n) | Diff Sig Int | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| $Bi^{209}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Coincidences | 1 | NP 15 155 | Feb60 | CR | Cross,W.G.+ |
| $Bi^{209}$ | Sigma | 2.2 | 5 | 2.2 | 5 | | | Ring Geomtry | 1 | ZET 38 1434 | May60 | CCP | Lovchikova. |
| $Bi^{209}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Diff Sig Int | 1 | PR 128 1271 | Nov62 | VIR | Hudson,C.I.+ |
| $Bi^{209}$ | Sigma | 3.0 | 5 | 3.0 | 5 | | | Diff Sig Int | 1 | UFZ 9 577 | 64 | UKR | Korzh. |
| $Bi^{209}$ | Sigma | 5.0 | 5 | 8.0 | 5 | | | Diff Sig Int | 2 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| $Bi^{209}$ | Sigma | 4.0 | 6 | 4.0 | 6 | | | Diff Sig Int | 1 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| $Bi^{209}$ | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| $Bi^{209}$ | Sigma | 6.0 | 6 | 6.0 | 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| $Bi^{209}$ | Sigma | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 25 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| $Bi^{209}$ | Sigma | 2.0 | 6 | 2.0 | 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| $Bi^{209}$ | Sigma | 6.1 | 6 | 8.0 | 6 | C | H(n,n) | TimeOfFlight* | 3 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| $Bi^{209}$ | Sigma | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 96 | SMITH 69P 1 | Jun69 | ANL | Smith. |
| $Bi^{209}$ | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Bi^{209}$ | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Ring Geomtry | 10 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| $Bi^{209}$ | Ang Distrib | 3.4 | 6 | 3.4 | 6 | | H(n,n) | Biased Scint | 9 | HPA 28 331 | 55 | ETH | Brugger. |
| $Bi^{209}$ | Ang Distrib | 4.1 | 6 | 4.1 | 6 | | | Biased Scint | 12 | PR 98 677 | May55 | LAS | Walt,M.+ |
| $Bi^{209}$ | Ang Distrib | 5.0 | 5 | 1.5 | 6 | | | Ring Geomtry | 3 | PR 100 1315 | Dec55 | WIS | Darden,S.E.+ |
| $Bi^{209}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 12 | PR 101 684 | Jan56 | NRL | Elliot,J.O. |
| $Bi^{209}$ | Ang Distrib | 3.3 | 6 | 3.3 | 6 | | H(n,n) | Biased Scint | 9 | HPA 29 545 | Apr56 | ETH | Remund,A.E. |
| $Bi^{209}$ | Ang Distrib | 5.0 | 5 | 5.0 | 5 | | | RecoilChambr | 9 | PR 104 731 | Nov56 | LAS | Allen. |
| $Bi^{209}$ | Ang Distrib | 4.4 | 6 | 4.4 | 6 | | | Nuc Emulsion | 1 | PR 104 1069 | Nov56 | WES | Weddell. |
| $Bi^{209}$ | Ang Distrib | 2.5 | 6 | 7.0 | 6 | | | Proportion C | 33 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| $Bi^{209}$ | Ang Distrib | 9.0 | 5 | 9.0 | 5 | | | Ring Geomtry | 6 | AE 2 174 | 57 | CCP | Lovchikova. |
| $Bi^{209}$ | Ang Distrib | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 6 | AE 3 498 | 57 | CCP | Popov. |
| $Bi^{209}$ | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | | Ring Geomtry | 9 | 58GENEVA/15- 18 | Sep58 | UKR | Pasechnik. |
| $Bi^{209}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | Biased Scint | 11 | JPJ 13 1248 | Nov58 | KON | Yuasa,K. |
| $Bi^{209}$ | Ang Distrib | 4.2 | 6 | 4.2 | 6 | | H(n,n) | Biased Scint | 13 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| $Bi^{209}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Biased Scint | 26 | PR 116 1571 | Dec59 | ANL | Rayburn,L.A. |
| $Bi^{209}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 34 | NP 15 155 | Feb60 | CR | Cross,W.G.+ |
| $Bi^{209}$ | Ang Distrib | 2.2 | 5 | 2.2 | 5 | | | Ring Geomtry | 5 | ZET 38 1434 | May60 | CCP | Lovchikova. |
| $Bi^{209}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 13 | ZET 40 725 | Mar61 | UKR | Strizhak,V.I.+ |
| $Bi^{209}$ | Ang Distrib | 6.0 | 6 | 6.0 | 6 | S | Carbon | TimeOfFlight | 12 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| $Bi^{209}$ | Ang Distrib | 2.4 | 7 | 2.4 | 7 | | | Biased Scint | 43 | PR 125 276 | Jan62 | LRL | Stuart. |
| $Bi^{209}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | | Biased Scint | 29 | PR 128 1271 | Nov62 | VIR | Hudson,C.I.+ |
| $Bi^{209}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | 13 | ZET 44 130 | Jan63 | FTI | Dukarevich. |
| $Bi^{209}$ | Ang Distrib | 4.0 | 6 | 7.0 | 6 | | H(n,n) | Biased Scint | 4 | PR 129 1649 | Feb63 | LAS | Thomson. |
| $Bi^{209}$ | Ang Distrib | 3.0 | 5 | 3.0 | 5 | | | Threshold C | 8 | UFZ 9 577 | 64 | UKR | Korzh. |
| $Bi^{209}$ | Ang Distrib | 5.0 | 5 | 8.0 | 5 | | | Threshold C | 16 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| $Bi^{209}$ | Ang Distrib | 4.0 | 6 | 4.0 | 6 | | | CrystalScint | 17 | DOK 158 574 | Sep64 | KUR | Gorlov. |
| $Bi^{209}$ | Ang Distrib | 6.0 | 6 | 6.0 | 6 | | Carbon | TimeOfFlight | 12 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| $Bi^{209}$ | Ang Distrib | 7.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 30 | PRL 14 913 | May65 | LAS | Zafiratos. |
| $Bi^{209}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | Ring Geomtry | 6 | NP 68 97 | Jun65 | ORL | Stelson. |
| $Bi^{209}$ | Ang Distrib | 5.0 | 5 | 1.0 | 6 | | | | 28 | DAY 65G | Jul65 | LAS | Day. |
| $Bi^{209}$ | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | H(n,n) | TimeOfFlight* | 16 | KUIJPER 65L | Dec65 | NED | Kuijper,P. |
| $Bi^{209}$ | Ang Distrib | 3.2 | 6 | 3.2 | 6 | | | | 13 | NP 89 154 | 66 | BCM | Becker. |
| $Bi^{209}$ | Ang Distrib | 6.1 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 59 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| $Bi^{209}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 25 | EANDC/J- 19 50 | Aug70 | KYU | Matoba,M.+ |
| $Bi^{209}$ | Ang Distrib | 1.4 | 6 | 3.5 | 6 | | H(n,n) | TimeOfFlight | 65 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| $Bi^{209}$ | Legendre Fit | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 125 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| $Bi^{209}$ | Legendre Fit | 6.1 | 6 | 8.0 | 6 | | H(n,n) | TimeOfFlight* | 37 | AE- 366 | Jun69 | AE | Holmqvist,B.+ |
| $Bi^{209}$ | Legendre Fit | 3.0 | 5 | 1.5 | 6 | | | TimeOfFlight | 96 | SMITH 69H | Aug69 | ANL | Smith. |
| $Bi^{209}$ | Legendre Fit | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 331 | SMITH 69H | Aug69 | ANL | Smith. |
| $Bi^{209}$ | Legendre Fit | 1.4 | 6 | 3.5 | 6 | | H(n,n) | TimeOfFlight | 40 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| $Bi^{209}$ | Polarizat n-out | 4.0 | 5 | 1.0 | 6 | | Absolute | Field Rotatn | 3 | NP 76 369 | Feb66 | HAR | Ferguson,A.T.G |
| | ELASTIC+SOME INEL | | | | | | | | | | | | |
| $Bi^{209}$ | Ang Distrib | 3.7 | 6 | 3.7 | 6 | | | Ring Geomtry | 19 | PR 94 1267 | Jun54 | BAR | Snowden. |
| | INEL SCATTERING | | | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 2.5 | 6 | 2.5 | 6 | | | CrystalScint | 2 | PR 94 144 | Apr54 | OXF | Elliot,P.A.+ |
| $Bi^{209}$ | Sigma | 2.9 | 6 | 2.9 | 6 | | | Ring Geomtry | 1 | AE 3 498 | 57 | CCP | Popov. |
| $Bi^{209}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | PR 107 824 | Aug57 | LAS | Rosen. |
| $Bi^{209}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 2 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| $Bi^{209}$ | Sigma | 1.4 | 7 | 1.4 | 7 | | | | 1 | 58PARIS-609 | Jul58 | LRL | Macgregor,M.H. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | INEL SCATTERING (CONTINUED) | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 1 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| $Bi^{209}$ | Sigma | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 1 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | Arb Units | 4Pi*σ(90°) * | 1 | AF 39 295 | Apr69 | LND | Joensson,B.+ |
| $Bi^{209}$ | Sigma | 1.1 6 | 1.5 6 | | Carbon | Diff Sig Int | 20 | SMITH 69H | Aug69 | ANL | Smith. |
| $Bi^{209}$ | Sigma | 2.0 6 | 4.5 6 | | H(n,n) | TimeOfFlight* | 34 | 7OHELSNK/II-349 | Jun70 | AE | Almen,E.+ |
| $Bi^{209}$ | Ang Distrib | 2.6 6 | 2.6 6 | | H(n,n) | CrystalScint | 2 | PR 94 144 | Apr54 | OXF | Elliot,F.A.+ |
| $Bi^{209}$ | Ang Distrib | 2.4 6 | 2.4 6 | | H(n,n) | Biased Scint | 2 | PR 103 343 | Jul56 | LAS | Cranberg. |
| $Bi^{209}$ | Ang Distrib | 4.4 6 | 4.4 6 | | | Nuc Emulsion | 2 | PR 104 1069 | Nov56 | WES | Weddell. |
| $Bi^{209}$ | Ang Distrib | 2.9 6 | 2.9 6 | | | Ring Geomtry | 6 | AE 3 498 | 57 | CCP | Popov. |
| $Bi^{209}$ | Ang Distrib | 2.9 6 | 2.9 6 | | Absolute | Ring Geomtry | 2 | AE 3 498 | 57 | CCP | Popov. |
| $Bi^{209}$ | Ang Distrib | 6.0 6 | 6.0 6 | S | Carbon | TimeOfFlight | 22 | BAP 7 23 | Jan62 | DKE | Wilenzick,R.M.+ |
| $Bi^{209}$ | Ang Distrib | 4.0 6 | 7.0 6 | | H(n,n) | Biased Scint | 3 | PR 129 1649 | Feb63 | LAS | Thomson. |
| $Bi^{209}$ | Ang Distrib | 6.0 6 | 6.0 6 | | Carbon | TimeOfFlight | 8 | NP 62 511 | Feb65 | DKE | Wilenzick,R.M.+ |
| $Bi^{209}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Ring Geomtry | 12 | NP 68 97 | Jun65 | ORL | Stelson. |
| $Bi^{209}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Arb Units | TimeOfFlight | 41 | YF 2 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| $Bi^{209}$ | Ang Distrib | 1.5 7 | 1.5 7 | | H(n,n) | TimeOfFlight* | 40 | KUIJPER 65L | Dec65 | NED | Kuijper,P. |
| $Bi^{209}$ | Ang Distrib | 8.0 6 | 8.0 6 | | | TimeOfFlight | 19 | PR 142 775 | Feb66 | LAS | Cranberg. |
| $Bi^{209}$ | Ang Distrib | 6.0 6 | 7.0 6 | | H(n,n) | TimeOfFlight | 2 | NP A112 337 | May68 | ALD | Owens,R.O.+ |
| $Bi^{209}$ | Ang Distrib | 1.0 6 | 1.5 6 | | Carbon | TimeOfFlight | 129 | SMITH 69H | Aug69 | ANL | Smith. |
| $Bi^{209}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight | 37 | EANDC/J- 19 50 | Aug70 | KYU | Matoba,M.+ |
| $Bi^{209}$ | Ang Distrib | 1.4 6 | 3.5 6 | | H(n,n) | TimeOfFlight | 143 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| $Bi^{209}$ | Legendre Fit | 1.1 6 | 1.3 6 | | Carbon | TimeOfFlight | 14 | SMITH 69H | Aug69 | ANL | Smith. |
| $Bi^{209}$ | Legendre Fit | 1.4 6 | 3.5 6 | | H(n,n) | TimeOfFlight | 44 | NP A179 513 | Jan72 | JAE | Tanaka,S. |
| | (n,n'γ) REACTION | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 3.2 6 | 3.2 6 | | | CrystalScint | 4 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| $Bi^{209}$ | Sigma | 2.6 6 | 2.6 6 | | Absolute | 4Pi*σ(90°) | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Bi^{209}$ | Sigma | 2.6 6 | 2.6 6 | N | | 4Pi*σ(90°) | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Bi^{209}$ | Ang Distrib | 3.2 6 | 3.2 6 | | | CrystalScint | 4 | PR 96 386 | Oct54 | NRL | Scherrer,V.E.+ |
| $Bi^{209}$ | Ang Distrib | 2.6 6 | 2.6 6 | | | Ring Geomtry | 2 | PR 102 767 | May56 | LAS | Day,R.B. |
| $Bi^{209}$ | Ang Distrib | 2.9 6 | 2.9 6 | | H(n,n) | Ring Geomtry | 2 | JPJ 14 699 | Jul59 | YOK | Hosoe,M.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $Bi^{209}$ | Ang Distrib | 3.0 4 | 1.4 6 | | Carbon | ModeratrTank | 90 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Bi^{209}$ | σ(Potential) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Bi^{209}$ | σ(Potential) | 8.5 2 | 8.5 2 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| $Bi^{209}$ | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Bi^{209}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Scattering | 1 | PR 83 379 | Jul51 | BNL | Weiss. |
| $Bi^{209}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | | 1 | HUGHES 53 | 53 | BNL | Hughes. |
| $Bi^{209}$ | σ(Coherent) | 9.4 0 | 9.4 0 | | | | 1 | ZP 186 23 | Jun65 | MUN | Triftshauser,W. |
| $Bi^{209}$ | σ(Incoherent) | 2.5 -2 | 2.5 -2 | | | | 1 | ZN A 19 354 | Mar64 | MUN | Scherm,R.+ |
| $Bi^{209}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Bi^{209}$ | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Bi^{209}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Total | 1 | HARVEY 52L | Dec52 | BNL | Butler. |
| $Bi^{209}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Total | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| $Bi^{209}$ | σ(Bound Atom) | 9.4 0 | 9.4 0 | | | | 1 | ZP 186 23 | Jun65 | MUN | Triftshauser,W. |
| $Bi^{209}$ | σ(Free Atom) | 1.4 0 | 1.4 0 | | | | 1 | ORNL-1164 34 | 51 | ORL | Rayburn. |
| $Bi^{209}$ | σ(Free Atom) | 4.0 -4 | 1.8 -3 | | | | 5 | ZN A 19 354 | Mar64 | JUL | Scherm,R.+ |
| $Bi^{209}$ | σ(Free Atom) | 9.4 0 | 9.4 0 | | | | 1 | ZP 186 23 | Jun65 | MUN | Triftshauser,W. |
| $Bi^{209}$ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Bi^{209}$ | Scatt Amplitude | 1.3 -3 | 1.3 -3 | | Absolute | Mirror Refl | 1 | ZAP 14 738 | Dec62 | MUN | Maier-Leibnitz,H. |
| $Bi^{209}$ | Scatt Amplitude | 9.4 0 | 9.4 0 | | | | 1 | ZP 186 23 | Jun65 | MUN | Triftshauser,W. |
| $Bi^{209}$ | Scatt Amplitude | 1.3 2 | 1.3 2 | | Absolute | Transmission* | 1 | ZN A 26 442 | Mar71 | MUN | Dilg,W.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PR 107 824 | Aug57 | LAS | Rosen. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | N | | Scint Tank | 1 | PR 111 616 | Jul58 | LRL | Ashby. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | AE 5 657 | Dec58 | CCP | Plerov,N.N.+ |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | ZET 40 520 61 | 61 | CCP | Glagolev. |
| $Bi^{209}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | ORNL-3320 7 | 62 | ORL | Halperin. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | NP 49 489 | 63 | HUN | Adam. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Copper | CrystalScint | 1 | CR 265 712 | Sep66 | GRE | Monnand,E.+ |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | | * | 1 | EANDC/E- 76 43 | Jan67 | MUN | Feicht,J.+ |
| | (n,p) REACTION | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Activation | 1 | CJP 31 267 | 53 | CR | Paul. |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | $Cu^{63}$(n,2n) | Activation | 1 | PR 115 989 | Aug59 | ARK | Poularikas. |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | PPS 77 508 | 61 | SAH | Mukherjee. |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | NP 73 548 | Nov65 | RBZ | Kulisic,P.+ |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | | Diff Sig Int | 1 | KULISIC 67I | Sep67 | RBZ | Kulisic. |
| $Bi^{209}$ | Ang Distrib | 1.5 7 | 1.5 7 | | | Count Telesc | 2 | NP 73 548 | Nov65 | RBZ | Kulisic,P.+ |
| $Bi^{209}$ | Ang Distrib | 1.4 7 | 1.4 7 | | | Count Telesc | 2 | KULISIC 67I | Sep67 | RBZ | Kulisic. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | | | 1 | RCA 4 113 | 65 | ARK | Ganapathy. |
| | MISC FISS QUANT | | | | | | | | | | |
| $Bi^{209}$ | Neutron/Capture | 1.4 7 | 1.4 7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| $Bi^{209}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Pile Oscilat | 1 | PR 80 342 | Nov50 | ANL | Harris,S.P.+ |
| | NONELASTIC SCATT | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 88 600 | Nov52 | LAS | Phillips,D.D.+ |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 89 343 | Jan53 | LAS | Graves. |
| $Bi^{209}$ | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | NONELASTIC SCATT (CONTINUED) | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 6.0 5 | 1.6 6 | | Absolute | Shell Trans | 11 | ALLEN 55C | Mar55 | LAS | Allen. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 97 1205 | Mar55 | LAS | Graves,E.R.+ |
| $Bi^{209}$ | Sigma | 4.1 6 | 4.1 6 | | | Total | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| $Bi^{209}$ | Sigma | 1.0 6 | 4.5 6 | | Absolute | Shell Trans | 3 | PR 98 1216 | Jun55 | LAS | Beyster,J.R.+ |
| $Bi^{209}$ | Sigma | 3.3 6 | 4.1 6 | | Absolute | Shell Trans | 2 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | S | Absolute | Activation | 1 | 55GENEVA/ 2- 3 | Aug55 | UKR | Pasechnik. |
| $Bi^{209}$ | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| $Bi^{209}$ | Sigma | 1.0 6 | 1.0 6 | | | Shell Trans | 3 | LA-1429 | Dec55 | LAS | Beyster,J.R.+ |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | | CrystalScint | 1 | AE 1 155 | 56 | CCP | Plerov. |
| $Bi^{209}$ | Sigma | 5.0 5 | 5.0 5 | | | Total | 1 | PR 104 731 | Nov56 | LAS | Allen. |
| $Bi^{209}$ | Sigma | 2.5 6 | 2.5 6 | | Absolute | Shell Trans | 1 | ZET 31 907 | Nov56 | UKR | Strizhak. |
| $Bi^{209}$ | Sigma | 1.8 6 | 7.0 6 | | Absolute | Shell Trans | 4 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 2 68 | 57 | UKR | Strizhak,V.I. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | | Nuc Emulsion | 1 | PR 107 824 | Aug57 | LAS | Rosen. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | PR 108 726 | Nov57 | LRL | Macgregor,M.H.+ |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| $Bi^{209}$ | Sigma | 7.2 6 | 1.4 7 | | | Shell Trans | 6 | PR 110 1392 | Jun58 | LRL | Ball,W.P.+ |
| $Bi^{209}$ | Sigma | 2.6 7 | 2.6 7 | | Absolute | Shell Trans | 1 | PR 111 1155 | Aug58 | LRL | Macgregor,M.H.+ |
| $Bi^{209}$ | Sigma | 8.2 6 | 1.9 7 | | Absolute | Shell Trans | 5 | PR 113 1088 | Feb59 | RIC | Bonner,T.W.+ |
| $Bi^{209}$ | Sigma | 4.2 6 | 4.2 6 | | | Total | 1 | WADC/TN/59-107 | Feb59 | TNC | Bostrom. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | | Shell Trans | 1 | PR 132 1211 | Nov63 | LSU | Haas,G.M.+ |
| $Bi^{209}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight* | 10 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Bi^{209}$ | Sigma | 5.2 5 | 1.4 6 | | Absolute | Accelerator | 11 | PR 73 659 | Apr48 | WIS | Barschall,C.K.+ |
| $Bi^{209}$ | Sigma | 5.2 5 | 1.4 6 | N | Absolute | Accelerator | 11 | PR 73 659 | Apr48 | WIS | Barschall,C.K.+ |
| $Bi^{209}$ | Sigma | 8.5 4 | 5.3 5 | | Absolute | Accelerator | 43 | PR 76 1146 | Oct49 | WIS | Barschall. |
| $Bi^{209}$ | Sigma | 1.1 5 | 5.3 5 | N | Absolute | Accelerator | 41 | PR 76 1146 | Oct49 | WIS | Barschall. |
| $Bi^{209}$ | Sigma | 4.2 7 | 4.2 7 | | Absolute | Threshold C | 1 | PR 80 842 | Dec50 | BRK | Hilderbrand. |
| $Bi^{209}$ | Sigma | 1.0 6 | 3.2 6 | | Absolute | Accelerator | 14 | PR 88 83 | Oct52 | WIS | Miller,D.W.+ |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Biased Scint | 1 | PR 88 686 | Nov52 | ANL | Goodman. |
| $Bi^{209}$ | Sigma | 2.9 6 | 1.3 7 | | Absolute | Ion Chamber | 34 | PR 89 775 | Feb53 | LAS | Nereson. |
| $Bi^{209}$ | Sigma | 8.7 -4 | 8.3 -2 | | Absolute | TimeOfFlight | 69 | AERE/R-1147 | Apr53 | HAR | Egelstaff. |
| $Bi^{209}$ | Sigma | 1.9 7 | 1.9 7 | | Absolute | Biased Scint | 1 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| $Bi^{209}$ | Sigma | 4.6 7 | 1.6 8 | | Absolute | TimeOfFlight | 10 | PR 92 835 | Nov53 | BRK | Angell,C.E.+ |
| $Bi^{209}$ | Sigma | 1.7 -4 | 4.1 -3 | | Absolute | TimeOfFlight | 105 | PALEVSKY 54 | 54 | BNL | Palevsky. |
| $Bi^{209}$ | Sigma | 3.7 6 | 3.7 6 | | | Accelerator | 1 | PR 94 1267 | Jun54 | BAR | Snowden. |
| $Bi^{209}$ | Sigma | 4.9 0 | 4.9 0 | | Absolute | Crystal Spec | 1 | SAILOR 55D | Apr55 | BNL | Sailor. |
| $Bi^{209}$ | Sigma | 4.1 6 | 4.1 6 | | Absolute | Biased Scint | 1 | PR 98 677 | May55 | LAS | Walt,M.+ |
| $Bi^{209}$ | Sigma | 1.4 2 | 2.9 5 | | Absolute | TimeOfFlight | 49 | EGELSTAFF 55F | Jun55 | HAR | Egelstaff. |
| $Bi^{209}$ | Sigma | 1.4 9 | 1.4 9 | | | Count Telesc | 1 | PR 98 1369 | Jun55 | BNL | Coor,T.+ |
| $Bi^{209}$ | Sigma | 3.5 6 | 1.4 7 | | Absolute | Shell Trans | 5 | PR 100 174 | Oct55 | RIC | Taylor,H.L.+ |
| $Bi^{209}$ | Sigma | 1.3 7 | 1.6 7 | | Absolute | Accelerator | 7 | PR 100 972 | Nov55 | MEX | Mazari. |
| $Bi^{209}$ | Sigma | 2.0 2 | 7.6 4 | | Absolute | Accelerator | 120 | PR 102 1574 | Jun56 | DKE | Gibbons. |
| $Bi^{209}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| $Bi^{209}$ | Sigma | 2.6 7 | 2.6 7 | S | Absolute | Biased Scint | 1 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| $Bi^{209}$ | Sigma | 2.2 5 | 2.2 5 | | Absolute | Accelerator | 1 | KIMBALL 57K | Nov57 | ANL | Kimball. |
| $Bi^{209}$ | Sigma | 2.2 6 | 3.2 6 | | Absolute | Accelerator | 10 | BCS 44 851 | 58 | LVN | Deconninck. |
| $Bi^{209}$ | Sigma | 2.1 3 | 2.6 3 | | Absolute | TimeOfFlight | 18 | PR 109 926 | Feb58 | ORL | Good. |
| $Bi^{209}$ | Sigma | 2.6 1 | 1.7 3 | | | TimeOfFlight | 36 | PR 110 692 | May58 | BNL | Seth. |
| $Bi^{209}$ | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| $Bi^{209}$ | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| $Bi^{209}$ | Sigma | 9.3 3 | 1.9 4 | | Absolute | TimeOfFlight | 97 | NP 44 431 | Jul63 | HAR | Pirk,F.W.K.+ |
| $Bi^{209}$ | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| $Bi^{209}$ | Sigma | 3.2 6 | 5.1 6 | | Absolute | Transmission | 37 | NP 65 419 | Mar65 | JNE | Manero. |
| $Bi^{209}$ | Sigma | 5.0 5 | 4.1 6 | | Absolute | | 4 | DAY 65G | Jul65 | LAS | Day. |
| $Bi^{209}$ | Sigma | 5.0 2 | 1.5 5 | | Absolute | TimeOfFlight | 2728 | GARG 65H 2 | Aug65 | COL | Garg,J.B. |
| $Bi^{209}$ | Sigma | 2.0 2 | 9.3 6 | P | Absolute | TimeOfFlight | 10668 | GARG 65H 2 | Aug65 | COL | Garg,J.B. |
| $Bi^{209}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | Coincidences | 1 | NP A 92 433 | Feb67 | FTI | Dukarevich,Yu.V.+ |
| $Bi^{209}$ | Sigma | 2.4 6 | 1.5 7 | | Absolute | TimeOfFlight | 236 | FOSTER 67E | May67 | BNW | Foster. |
| $Bi^{209}$ | Sigma | 2.5 6 | 7.5 6 | | Absolute | Accelerator | 209 | PR 158 1142 | Jun67 | WIS | Carlson. |
| $Bi^{209}$ | Sigma | 2.5 6 | 5.3 6 | S | Absolute | Accelerator | 119 | PR 158 1142 | Jun67 | WIS | Carlson. |
| $Bi^{209}$ | Sigma | 1.3 6 | 1.3 6 | | | * | 1 | EANDC/E- 89 45 | Feb68 | MUN | Koester,L.+ |
| $Bi^{209}$ | Sigma | 4.2 5 | 3.2 7 | | Absolute | TimeOfFlight* | 5632 | KFK-1000 | Jun68 | KFK | Cierjacks,S.+ |
| $Bi^{209}$ | Sigma | 2.1 5 | 1.4 6 | | Absolute | Accelerator | 412 | SMITH 69H | Aug69 | ANL | Smith. |
| $Bi^{209}$ | Sigma | 5.0 5 | 1.2 6 | | Absolute | TimeOfFlight | 650 | SMITH 69H | Aug69 | ANL | Smith. |
| $Bi^{209}$ | Sigma | 1.3 2 | 1.3 2 | | Absolute | Transmission* | 1 | ZN A 26 442 | Mar71 | MUN | Dilg,W.+ |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Bi^{209}$ | $\Gamma(\gamma)$ | 7.8 2 | 7.8 2 | | | AreaAnalysis | 1 | NP 7 613 | 58 | HAR | Lynn,J.E.+ |
| $Bi^{209}$ | $\Gamma(\gamma)$ | 8.0 2 | 8.0 2 | | | AreaAnalysis | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| | n-WIDTH | | | | | | | | | | |
| $Bi^{209}$ | $\Gamma(n)$ | 7.8 2 | 1.5 4 | | | AreaAnalysis | 5 | NP 44 431 | Jul63 | HAR | Pirk,F.W.K.+ |
| $Bi^{209}$ | $\Gamma(n)$ | 1.2 4 | 1.2 4 | | | Shape Analys | 1 | NP 44 431 | Jul63 | HAR | Pirk,F.W.K.+ |
| $Bi^{209}$ | $\Gamma(n)$ | 5.1 3 | 6.9 4 | | | AreaAnalysis | 9 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Bi^{209}$ | $g\Gamma(n)$ | 4.4 3 | 7.0 4 | | | AreaAnalysis | 42 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Bi^{209}$ | $2g\Gamma(n)$ | 2.2 3 | 1.2 4 | | | AreaAnalysis | 2 | NP 7 613 | 58 | HAR | Lynn,J.E.+ |
| $Bi^{209}$ | $2g\Gamma(n)$ | 8.0 2 | 8.0 2 | | | AreaAnalysis | 1 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| $Bi^{209}$ | $2g\Gamma(n)$ | 8.0 2 | 8.0 2 | | | Interference | 1 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| $Bi^{209}$ | $2g\Gamma(n)$ | 1.2 4 | 1.3 5 | | | AreaAnalysis | 15 | AP 8 250 | 59 | DKE | Nichols. |
| $Bi^{209}$ | $g\Gamma(n,l=0)$ | 5.1 3 | 6.9 4 | | | AreaAnalysis | 11 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| $Bi^{209}$ | $2g\Gamma(n,l=0)$ | 1.2 4 | 1.3 5 | | | AreaAnalysis | 15 | AP 8 250 | 59 | DKE | Nichols. |
| $Bi^{209}$ | $g\Gamma(n,l=1)$ | 4.4 3 | 7.0 4 | | | AreaAnalysis | 26 | CEA/R-3609 | 68 | SAC | Morgenstern,J. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Bi^{209}$ | $\Gamma$ | 1.2 4 | 1.2 4 | | | TimeOfFlight | 1 | ANL-5498 52 | 55 | ANL | Hibdon,C.T. |
| $Bi^{209}$ | $\Gamma$ | 8.1 2 | 2.4 3 | | | TimeOfFlight | 2 | PR 100 126 | Oct55 | ARK | Bollinger,L.M.+ |
| $Bi^{209}$ | $\Gamma$ | 7.8 2 | 1.2 4 | | | AreaAnalysis | 3 | NP 7 613 | 58 | HAR | Lynn,J.E.+ |
| $Bi^{209}$ | $\Gamma$ | 2.3 3 | 2.3 3 | | | AreaAnalysis | 1 | PR 109 926 | Feb58 | ORL | Good. |
| $Bi^{209}$ | $\Gamma$ | 8.0 2 | 8.0 2 | | | AreaAnalysis | 2 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| $Bi^{209}$ | $\Gamma\sigma(0)$ | 1.2 4 | 1.2 4 | | | TimeOfFlight | 1 | ANL-5498 52 | 55 | ANL | Hibdon,C.T. |
| $Bi^{209}$ | $\Gamma_\sigma(0)$ | 8.1 2 | 2.4 3 | | | TimeOfFlight | 2 | PR 100 126 | Oct55 | ARK | Bollinger,L.M.+ |
| $Bi^{209}$ | $\Gamma^2_\sigma(0)$ | 8.1 2 | 2.4 3 | | | TimeOfFlight | 4 | PR 100 126 | Oct55 | ARK | Bollinger,L.M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OTHER RESCN PARAM | | | | | | | | | | | | | |
| $Bi^{209}$ | Resonance Energy | 1.0 | 3 | 7.0 | 4 | | | TimeOfFlight | 6 | PR 102 | 1574 | Jun56 | DKE | Gibbons. |
| $Bi^{209}$ | Resonance Energy | 1.2 | 4 | 3.3 | 4 | | | TimeOfFlight | 3 | PR 109 | 926 | Feb58 | ORL | Good. |
| $Bi^{209}$ | Resonance Energy | 2.3 | 6 | 2.3 | 6 | | | | 1 | AE 5 | 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| $Bi^{209}$ | Resonance Energy | 2.3 | 3 | 2.3 | 3 | | | TimeOfFlight | 1 | AE 5 | 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| $Bi^{209}$ | Resonance Energy | 1.3 | 5 | 1.3 | 5 | | | AreaAnalysis | 2 | AP 8 | 250 | 59 | DKE | Nichols. |
| $Bi^{209}$ | Resonance Energy | 2.1 | 1 | 1.5 | 5 | | | TimeOfFlight | 49 | CR-1860 | | 64 | COL | Garg. |
| $Bi^{209}$ | Resonance Energy | 4.4 | 3 | 7.0 | 4 | | | AreaAnalysis* | 44 | CEA/R-3609 | | 68 | SAC | Morgenstern,J. |
| $Bi^{209}$ | Spin of Reson | 7.8 | 2 | 1.5 | 4 | | | AreaAnalysis | 5 | NP 44 | 431 | Jul63 | HAR | Pirk,P.W.K.+ |
| $Bi^{209}$ | Spin of Reson | 5.1 | 3 | 6.9 | 4 | | | AreaAnalysis | 9 | CEA/R-3609 | | 68 | SAC | Morgenstern,J. |
| $Bi^{209}$ | n-Orbit Ang Mom | 4.4 | 3 | 7.0 | 4 | | | AreaAnalysis | 39 | CEA/R-3609 | | 68 | SAC | Morgenstern,J. |
| | AVERAGED PARAM | | | | | | | | | | | | | |
| $Bi^{209}$ | Strength Fn(l=0) | 7.0 | 4 | 7.0 | 4 | | | | 2 | NP A123 | 561 | Jan69 | SAC | Morgenstern,J.+ |
| $Bi^{209}$ | Strength Fn(l=1) | 7.0 | 4 | 7.0 | 4 | | | | 2 | NP A123 | 561 | Jan69 | SAC | Morgenstern,J.+ |
| $Bi^{209}$ | Level Spacing | 8.0 | 4 | 8.0 | 4 | | | TimeOfFlight | 1 | AP 14 | 346 | 61 | DKE | Newson. |
| | LEVEL DENS PARAM | | | | | | | | | | | | | |
| $Bi^{209}$ | Nucl Temperature | 1.4 | 7 | 1.4 | 7 | | | | 2 | YP 2 | 826 | Nov65 | FEI | Anufrienko,V.B.+ |
| | (n,γ) REACTION | | | | | | | | | | | | | |
| $Bi^{210}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | ORNL-3320 | 2 | 62 | ORL | Halperin. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Po^{210}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | NSE 15 217 | 63 | ORL | Halperin. |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Po^{210}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Po^{210}$ | Sigma | 2.5 -2 | 2.5 -2 | | Tatsi | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Ra^{223}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | JIN 1 253 | 55 | BNL | Harbottle. |
| $Ra^{223}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Co^{59}$ | Activation | 1 | JIN 1 253 | 55 | BNL | Harbottle. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Ra^{223}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | ANL-4039 | Oct47 | ANL | Ghiorso,A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Ra^{226}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | (*) | 39 | ANL | |
| $Ra^{226}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 49TUBING/II-1393 | 49 | ANL | Peterson. |
| $Ra^{226}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Activation | 1 | NAT 170 832 | Nov52 | CR | Butler. |
| $Ra^{226}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | HARVEY 52L | Dec52 | CR | Butler. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Ra^{226}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | JIN 13 5 | 60 | ALD | O'connor,L.P.+ |
| | (n,3n) REACTION | | | | | | | | | | |
| $Ra^{226}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | JIN 13 5 | 60 | ALD | O'connor,L.P.+ |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Ra^{226}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | ANL-4038 | Oct47 | ANL | Ghiorso,A.+ |
| $Ra^{226}$ | Sigma | 2.0 6 | 2.3 7 | | $Cf^{252}$(Nu) | Accelerator | 10 | NP 5 211 | 58 | LAS | Nobles,R.A.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Ra^{226}$ | Sigma | 2.2 -2 | 5.0 4 | | Absolute | TimeOfFlight | 225 | AE 1 67 5 | 56 | CCP | Katsaurov. |
| | n-WIDTH | | | | | | | | | | |
| $Ra^{226}$ | $\Gamma(n)$ | 5.4 -1 | 5.4 -1 | | | Shape Analys | 1 | AE 1 67 5 | 56 | CCP | Katsaurov. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Ra^{226}$ | $\Gamma$ | 5.4 -1 | 5.4 -1 | | | Shape Analys | 1 | AE 1 67 5 | 56 | CCP | Katsaurov. |
| $Ra^{226}$ | $\Gamma^2\sigma(0)$ | 5.4 -1 | 5.4 -1 | | | Shape Analys | 1 | AE 1 67 5 | 56 | CCP | Katsaurov. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Ra^{226}$ | $\sigma(0)$ | 5.4 -1 | 5.4 -1 | | | Shape Analys | 1 | AE 1 67 5 | 56 | CCP | Katsaurov. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Ra^{228}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | ANL-4039 | Oct47 | ANL | Ghiorso,A.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Ac^{227}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | ANL-5263 | May54 | ANL | Sjoblom. |
| $Ac^{227}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Activation | 1 | ANL-5263 | May54 | ANL | Sjoblom. |
| $Ac^{227}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | | 1 | CJC 37 1094 | 59 | CR | Cabell. |
| $Ac^{227}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Co^{59}$ | | 1 | CJC 37 1094 | 59 | CR | Cabell. |
| $Ac^{227}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | | 1 | CJC 37 1094 | 59 | CR | Cabell. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Ac^{227}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | ANL-4039 | Oct47 | ANL | Ghiorso,A.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION CROSS SECT | | | | | | | | | | |
| $Th^{227}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Back-to-Back | 1 | EANDC/OR- 93 | Jun70 | WUR | |
| | NU-BAR | | | | | | | | | | |
| $Th^{227}$ | Unspecified | 2.5 -2 | 2.5 -2 | | | Radiochemic | 1 | 69VIENNA- 731 | Jul69 | ETH | Flynn,K.P.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Th^{228}$ | Sigma | 1.7 0 | 2.2 0 | | | TimeOfFlight | 227 | SIMPSON 65A | Jan65 | MTR | Simpson. |
| $Th^{228}$ | Sigma | 1.8 0 | 8.0 0 | | Absolute | TimeOfFlight | 213 | NSE 29 423 | Oct67 | MTR | Simpson,O.D.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Th^{228}$ | Γ(γ) | 1.9 0 | 1.9 0 | | | TimeOfFlight | 1 | SIMPSON 65A | Jan65 | MTR | Simpson. |
| $Th^{228}$ | Γ(γ) | 1.9 0 | 7.5 0 | | | MultiLvl Fit | 2 | NSE 29 423 | Oct67 | MTR | Simpson,O.D.+ |
| | n-WIDTH | | | | | | | | | | |
| $Th^{228}$ | Γ(n,l=0) | 1.9 0 | 1.9 0 | | | TimeOfFlight | 1 | SIMPSON 65A | Jan65 | MTR | Simpson. |
| $Th^{228}$ | Γ(n,l=0) | 1.9 0 | 7.5 0 | | | MultiLvl Fit | 2 | NSE 29 423 | Oct67 | MTR | Simpson,O.D.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Th^{228}$ | Resonance Energy | 1.9 0 | 1.9 0 | | | TimeOfFlight | 1 | IDO-16994 23 | Aug64 | MTR | Schuman. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Th^{229}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Fission Det | 1 | CF-3809 47 | | ANL | Studier. |
| $Th^{229}$ | Sigma | 6.0 3 | 1.2 6 | | | Ion Chamber | 23 | DOK 128 911 | 59 | CCP | Gokhberg. |
| $Th^{229}$ | Sigma | 1.6 -2 | 8.0 -1 | | σ(Thermal) | Crystal Spec | 26 | AE 8 47 | 60 | CCP | Gerasimov. |
| $Th^{229}$ | Sigma | 1.6 -2 | 2.6 -1 | | σ(Thermal) | TimeOfFlight | 3 | AE 8 47 | 60 | CCP | Gerasimov. |
| $Th^{229}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Back-to-Back | 1 | JIN 15 1 | 60 | ANL | Gindler,J.E.+ |
| $Th^{229}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Back-to-Back | 1 | JIN 15 1 | 60 | ANL | Gindler,J.E.+ |
| | NU-BAR | | | | | | | | | | |
| $Th^{229}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Coincidences | 1 | ZET 35 535 | 58 | CCP | Lebedev. |
| $Th^{229}$ | Prompt | 2.5 -2 | 2.5 -2 | N | $U^{235}$(n,f) | Coincidences | 1 | ZET 35 535 | 58 | CCP | Lebedev. |
| $Th^{229}$ | Prompt | 2.5 -2 | 2.5 -2 | | | Coincidences | 1 | ANL-6600 124 | 62 | ANL | Jaffey. |
| $Th^{229}$ | Prompt | 2.5 -2 | 2.5 -2 | N | | Coincidences | 1 | ANL-6600 124 | 62 | ANL | Jaffey. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Th^{229}$ | Sigma | 3.9 -1 | 3.1 1 | | | TimeOfFlight | 277 | BAP 6 417 | Nov61 | ANL | Cote. |
| | n-WIDTH | | | | | | | | | | |
| $Th^{229}$ | 2gΓ(n) | 6.1 -1 | 3.0 1 | | | TimeOfFlight | 17 | COTE 62H | Aug62 | ANL | Cote. |
| $Th^{229}$ | Γ(n,l=0) | 1.2 0 | 3.0 1 | | | TimeOfFlight | 16 | COTE 62H | Aug62 | ANL | Cote. |
| | FISSION WIDTH | | | | | | | | | | |
| $Th^{229}$ | Γ(Fiss)σ(0) | 2.4 -1 | 5.6 -1 | | | Crystal Spec | 2 | AE 8 47 | 60 | CCP | Gerasimov. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Th^{229}$ | Γ | 6.1 -1 | 4.1 0 | | | TimeOfFlight | 5 | COTE 62H | Aug62 | ANL | Cote. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Th^{229}$ | Resonance Energy | 7.3 -1 | 7.3 -1 | | | Crystal Spec | 1 | AE 8 47 | 60 | CCP | Gerasimov. |
| $Th^{229}$ | Resonance Energy | 6.1 -1 | 1.7 1 | | | TimeOfFlight | 18 | BAP 8 370 | Apr63 | ANL | Diamond,H.+ |
| $Th^{229}$ | σ(0) | 6.1 -1 | 4.1 0 | | | TimeOfFlight | 5 | COTE 62H | Aug62 | ANL | Cote. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Th^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 3 | ANL-4183 | Aug48 | ANL | Hyde. |
| $Th^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Activation | 1 | ANL-4183 | Aug48 | ANL | Hyde. |
| $Th^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | ANL-4249 | 49 | ANL | Jaffey. |
| $Th^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Activation | 1 | ANL-4249 | 49 | ANL | Jaffey. |
| $Th^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | ORNL-1620 42 | Dec53 | ORL | Pomerance. |
| $Th^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | ORNL-1620 42 | Dec53 | ORL | Pomerance. |
| $Th^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Co^{59}$ | Activation | 1 | CJP 36 989 | Aug58 | CR | Cabell,M.J. |
| $Th^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | CJP 40 194 | Feb62 | CR | Attre,R.W.+ |
| $Th^{230}$ | Reson Integral | 5.0 -1 | 5.0 -1 | N | $Co^{59}$ | Activation | 1 | CJP 36 989 | Aug58 | CR | Cabell,M.J. |
| $Th^{230}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | CJP 40 194 | Feb62 | CR | Attre,R.W.+ |
| $Th^{230}$ | Reson Integral | 4.0 -1 | 4.0 -1 | | | AreaAnalysis | 1 | PR 176 1421 | Dec68 | ANL | Cote. |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Th^{230}$ | σ(Potential) | 1.7 -1 | 1.7 -1 | | | Extrapolatn | 1 | 66PARIS/I- 71 | Oct66 | CCP | Kalebine,S.M.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Th^{230}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Th^{230}$ | Sigma | 1.0 6 | 9.5 8 | | | Ion Chamber | 10 | DOK 128 1157 | Sep59 | CCP | Gokhberg. |
| $Th^{230}$ | Sigma | 7.1 5 | 7.1 5 | | Arb Units | Ion Chamber | 1 | DOK 128 1157 | Sep59 | CCP | Gokhberg. |
| $Th^{230}$ | Sigma | 2.5 6 | 1.5 7 | | | Long Counter | 2 | AE 8 139 | Feb60 | CCP | Kazarinova. |
| $Th^{230}$ | Sigma | 6.2 5 | 1.4 6 | | Th(n,f) | Fission Det * | 50 | AERE/R-6901 | Oct71 | HAR | Lynn,J.E.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Th^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Extrapolatn | 1 | 66PARIS/I- 71 | Oct66 | CCP | Kalebine,S.M.+ |
| $Th^{230}$ | Sigma | 2.2 -2 | 1.8 4 | | Absolute | TimeOfFlight | 221 | 66PARIS/I- 71 | Oct66 | CCP | Kalebine,S.M.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Th^{230}$ | Γ(γ) | 1.4 0 | 4.7 1 | | | AreaAnalysis | 6 | 66PARIS/I- 71 | Oct66 | CCP | Kalebine,S.M.+ |
| $Th^{230}$ | Γ(γ) | 1.4 0 | 2.4 1 | | | AreaAnalysis | 3 | PR 176 1421 | Dec68 | ANL | Cote. |
| | n-WIDTH | | | | | | | | | | |
| $Th^{230}$ | Γ(n) | 1.4 0 | 4.7 1 | | | AreaAnalysis | 6 | 66PARIS/I- 71 | Oct66 | CCP | Kalebine,S.M.+ |
| $Th^{230}$ | Γ(n) | 1.4 0 | 2.9 2 | | | AreaAnalysis | 20 | PR 176 1421 | Dec68 | ANL | Cote. |
| $Th^{230}$ | Γ(n,l=0) | 1.4 0 | 4.7 1 | | | AreaAnalysis | 6 | 66PARIS/I- 71 | Oct66 | CCP | Kalebine,S.M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **TOTAL WIDTH** | | | | | | | | | | | | |
| $Th^{230}$ | Γ | 1.4 | 0 | 2.4 | 1 | | | AreaAnalysis | 3 | PR 176 1421 | Dec68 | ANL | Cote. |
| | **OTHER RESON PARAM** | | | | | | | | | | | | |
| $Th^{230}$ | Resonance Energy | 1.1 | 0 | 7.8 | 0 | | | AreaAnalysis | 3 | 66PARIS/I- 71 | Oct66 | CCP | Kalebine,S.M.+ |
| $Th^{230}$ | σ(0) | 1.4 | 0 | 2.4 | 1 | | | AreaAnalysis | 3 | PR 176 1421 | Dec68 | ANL | Cote. |
| | **AVERAGED PARAM** | | | | | | | | | | | | |
| $Th^{230}$ | Strength Funct | 1.5 | 2 | 1.5 | 2 | | | | 1 | ANL-7081 4 | Mar65 | ANL | Bollinger,L.M. |
| $Th^{230}$ | Strength Fn(l=0) | 2.4 | 1 | 2.4 | 1 | | | AreaAnalysis | 1 | 66PARIS/I- 71 | Oct66 | CCP | Kalebine,S.M.+ |
| $Th^{230}$ | Strength Fn(l=0) | 1.5 | 2 | 1.5 | 2 | | | AreaAnalysis | 1 | PR 176 1421 | Dec68 | ANL | Cote. |
| $Th^{230}$ | Level Spacing | 2.4 | 1 | 2.4 | 1 | | | AreaAnalysis | 1 | 66PARIS/I- 71 | Oct66 | CCP | Kalebine,S.M.+ |
| $Th^{230}$ | Level Spacing | 1.5 | 2 | 1.5 | 2 | | | AreaAnalysis | 1 | PR 176 1421 | Dec68 | ANL | Cote. |
| | **(n,γ) REACTION** | | | | | | | | | | | | |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Mn^{55}$ | Activation | 1 | MC- 70 | 44 | MON | Grummott. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | CP-2376 | Nov44 | ANL | Seren. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | JNE 1 234 | 55 | HAR | Crocker,V.S. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Mn^{55}$ | Pile Oscilat | 1 | JNE 1 319 | 55 | HAR | Small. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | TimeOfFlight | 1 | NRDC- 84 9(4) | Dec55 | HAR | |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | AE 2 22 | 57 | CCP | Myasishcheva. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Activation | 1 | AE 2 22 | 57 | CCP | Myasishcheva. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Iron | ReactivityCo | 1 | DP- 207 | Feb57 | SRL | Wade. |
| $Th^{232}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Crystal Spec | 1 | TID- 7547 39 | Sep57 | SAC | Hubert. |
| $Th^{232}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| $Th^{232}$ | Sigma | 2.5 | 4 | 8.3 | 5 | | | Shell Trans | 2 | ZET 34 574 | Mar58 | CCP | Belanova. |
| $Th^{232}$ | Sigma | 2.2 | 5 | 2.2 | 5 | S | | Shell Trans | 1 | ZET 34 574 | Mar58 | CCP | Belanova. |
| $Th^{232}$ | Sigma | 2.0 | 5 | 2.0 | 5 | | $I^{127}$ | Activation | 2 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| $Th^{232}$ | Sigma | 3.0 | 5 | 1.2 | 6 | | | Activation | 10 | PPS 74 685 | 59 | ALD | Barry,J.F.+ |
| $Th^{232}$ | Sigma | 1.0 | 5 | 1.2 | 6 | | Absolute | Activation | 24 | JNE 8 197 | Jan59 | HAR | Hanna,R.C.+ |
| $Th^{232}$ | Sigma | 2.2 | 5 | 2.2 | 5 | | Absolute | Shell Trans | 1 | AE 8 549 | 60 | CCP | Belanova. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 1 | JNE 12 32 | 60 | HAR | Tattersall. |
| $Th^{232}$ | Sigma | 3.0 | 4 | 5.8 | 6 | | $U^{235}(n,f)$ | Activation | 39 | AE 10 508 | May61 | CCP | Stavisskii. |
| $Th^{232}$ | Sigma | 4.3 | 4 | 9.5 | 5 | N | $U^{235}(n,f)$ | Activation | 27 | AE 10 508 | May61 | CCP | Stavisskii. |
| $Th^{232}$ | Sigma | 3.2 | 4 | 4.0 | 6 | | $U^{235}(n,f)$ | Activation | 26 | PR 128 2717 | Dec62 | LRL | Miskel. |
| $Th^{232}$ | Sigma | 3.2 | 4 | 9.9 | 5 | N | $U^{235}(n,f)$ | Activation | 18 | PR 128 2717 | Dec62 | LRL | Miskel. |
| $Th^{232}$ | Sigma | 5.3 | 3 | 1.0 | 5 | | σ(E≠E(th)) | | 10 | AE 15 414 | 63 | CCP | Tolstikov. |
| $Th^{232}$ | Sigma | 5.3 | 3 | 1.0 | 5 | S | σ(E≠E(th)) | | 10 | AE 15 414 | 63 | CCP | Tolstikov. |
| $Th^{232}$ | Sigma | 1.9 | 5 | 1.2 | 6 | | $U^{235}(n,f)$ | Activation | 22 | JIN 25 627 | 63 | ANL | Stupegia,D.C.+ |
| $Th^{232}$ | Sigma | 1.9 | 5 | 9.9 | 5 | N | $U^{235}(n,f)$ | Activation | 19 | JIN 25 627 | 63 | ANL | Stupegia,D.C.+ |
| $Th^{232}$ | Sigma | 1.0 | 4 | 5.8 | 4 | | | Moxon-Rae C | 127 | GIBBONS 64C | Mar64 | ORL | Gibbons. |
| $Th^{232}$ | Sigma | 5.5 | 3 | 1.5 | 5 | | | Moxon-Rae C | 98 | MOXON 64D | Apr64 | HAR | Moxon. |
| $Th^{232}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | AE 17 294 | Oct64 | CCP | Batyrbekov,G.A.+ |
| $Th^{232}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | CCP | Belanova. |
| $Th^{232}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| $Th^{232}$ | Sigma | 2.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 4 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Sigma | 2.4 | 4 | 2.4 | 4 | | $I^{127}$ | Activation * | 1 | NP 66 267 | May65 | MUA | Chaubey,A.K.+ |
| $Th^{232}$ | Sigma | 9.8 | -2 | 3.4 | 0 | | Copper | TimeOfFlight* | 47 | NUK 11 61 | May68 | UPP | Lundgren,G. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | Activation | 1 | CP-2376 | Nov44 | ANL | Seren. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 3 | JNE 2 243 | 56 | ORL | Macklin. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Ratio | | 2 | JNE 2 243 | 56 | ORL | Macklin. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Ratio | Activation | 2 | JNE 2 243 | 56 | ORL | Macklin. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | N | Au(n,γ) | Activation | 1 | JNE 2 243 | 56 | ORL | Macklin. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 1 | AE 2 18 | 57 | CCP | Kalashnikova,V.I.+ |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 6 | AE 2 22 | 57 | CCP | Myasishcheva. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 1 | JNE 11 95 | Feb60 | ORL | Johnston,P.J.+ |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 1 | AEEW/R- 163 17 | Mar62 | WIN | Tiren. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | Activation | 3 | GA-3069 | Sep62 | GA | Sampson. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | N | Au(n,γ) | Activation | 1 | NSE 19 244 | Jun64 | KPK | Brose,M. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | C | | | 1 | WASH-1053 78 | Sep64 | MTR | Poell,W.K. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 1 | WAPD/T-1748 | Oct64 | BET | Hardy. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | ReactivityCo | 1 | NSE 21 406 | Mar65 | MTR | Poell. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 5.0 | -1 | N | Au(n,γ) | ReactivityCo | 1 | NSE 21 406 | Mar65 | MTR | Poell. |
| $Th^{232}$ | Reson Integral | 5.0 | -1 | 6.0 | -1 | | | * | 2 | NUK 11 61 | May68 | UPP | Lundgren,G. |
| $Th^{232}$ | Reson Integral | 1.0 | 6 | 1.0 | 6 | | Au(n,γ) | Activation * | 1 | AKE 15 83 | Feb70 | GPK | Breitenhuber,L.+ |
| | **ELASTIC SCATTERING** | | | | | | | | | | | | |
| $Th^{232}$ | Sigma | 1.0 | 6 | 1.0 | 6 | | | Diff Sig Int | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Th^{232}$ | Sigma | 3.1 | 6 | 3.1 | 6 | | | Diff Sig Int | 1 | SPN- 224 | 61 | CCP | Popov,V.I. |
| $Th^{232}$ | Sigma | 5.7 | 5 | 1.5 | 6 | | Carbon | Diff Sig Int | 6 | PR 126 718 | Apr62 | ANL | Smith,A.B. |
| $Th^{232}$ | Sigma | 1.5 | 7 | 1.5 | 7 | | | Diff Sig Int | 1 | PR 128 1271 | Nov62 | VIR | Hudson,C.I.+ |
| $Th^{232}$ | Sigma | 1.4 | 0 | 1.4 | 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| $Th^{232}$ | Sigma | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 16 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| $Th^{232}$ | Sigma | 2.0 | 6 | 7.0 | 6 | | H(n,n) | Diff Sig Int | 4 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Sigma | 2.0 | 6 | 2.0 | 6 | | | Biased Scint | 1 | 65ANTWRP-200 | Jul65 | OBN | Kazakova,L.Ya.+ |
| $Th^{232}$ | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Proportion C | 9 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Th^{232}$ | Ang Distrib | 1.0 | 6 | 1.0 | 6 | | | Ring Geomtry | 4 | PR 96 836 | Nov54 | WIS | Walton,R.B.+ |
| $Th^{232}$ | Ang Distrib | 8.0 | 5 | 8.0 | 5 | | | Ion Chamber | 23 | ZET 40 1878 | Jun61 | CCP | Aleksandrov. |
| $Th^{232}$ | Ang Distrib | 2.8 | 6 | 2.8 | 6 | | | Threshold C | 24 | ZET 40 1878 | Jun61 | CCP | Aleksandrov. |
| $Th^{232}$ | Ang Distrib | 5.6 | 5 | 1.5 | 6 | | Carbon | Biased Scint | 41 | PR 126 718 | Apr62 | ANL | Smith,A.B. |
| $Th^{232}$ | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | | | 12 | ZET 44 130 | Jan63 | FTI | Dukarevich. |
| $Th^{232}$ | Ang Distrib | 2.0 | 6 | 7.0 | 6 | | H(n,n) | TimeOfFlight | 50 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Ang Distrib | 5.0 | 6 | 5.0 | 6 | | σ(Total) | TimeOfFlight | 13 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| $Th^{232}$ | Ang Distrib | 6.0 | 5 | 1.0 | 6 | | | Biased Scint | 18 | KUCHNIR 68H | Aug68 | ANL | Kuchnir. |
| $Th^{232}$ | Ang Distrib | 6.0 | 5 | 1.6 | 6 | | | Biased Scint | 31 | PR 176 1405 | Dec68 | ANL | Kuchnir. |
| $Th^{232}$ | Legendre Fit | 6.0 | 4 | 1.4 | 6 | | Carbon | ModeratrTank | 17 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| $Th^{232}$ | Legendre Fit | 3.0 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 78 | EANDC/US- 62 | Mar65 | ANL | Smith. |
| | **ELASTIC+SOME INEL** | | | | | | | | | | | | |
| $Th^{232}$ | Sigma | 4.0 | 6 | 1.2 | 7 | | Absolute | Diff Sig Int | 9 | AE 13 62 | Jul62 | CCP | Kozlova,N.V.+ |
| $Th^{232}$ | Ang Distrib | 1.3 | 6 | 1.6 | 6 | | H(n,n) | TimeOfFlight | 2 | PPS 73 193 | 59 | ALD | Batchelor. |
| $Th^{232}$ | Ang Distrib | 3.0 | 6 | 1.2 | 7 | | Absolute | Nuc Emulsion | 37 | AE 13 62 | Jul62 | CCP | Kozlova,N.V.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **INEL SCATTERING** | | | | | | | | | | |
| $Th^{232}$ | Sigma | 5.7 5 | 1.5 6 | | Carbon | Diff Sig Int | 6 | PR 126 718 | Apr62 | ANL | Smith,A.B. |
| $Th^{232}$ | Sigma | 4.0 5 | 1.0 6 | | | | 14 | AE 14 400 | 63 | CCP | Glazkov. |
| $Th^{232}$ | Sigma | 3.0 6 | 7.0 6 | | | | 3 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Sigma | 2.0 6 | 2.0 6 | | H(n,n) | TimeOfFlight | 2 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Sigma | 1.0 6 | 2.2 6 | | Carbon | TimeOfFlight* | 36 | NP A127 149 | Apr69 | FOA | Holmberg,M.+ |
| $Th^{232}$ | Ang Distrib | 1.3 6 | 1.6 6 | | H(n,n) | TimeOfFlight | 3 | PPS 73 193 | 59 | ALD | Batchelor. |
| $Th^{232}$ | Ang Distrib | 5.6 5 | 5.6 5 | | Carbon | Biased Scint | 20 | PR 126 718 | Apr62 | ANL | Smith,A.B. |
| $Th^{232}$ | Ang Distrib | 1.4 7 | 1.4 7 | | Ratio | TimeOfFlight | 5 | INDC-260 16 | Feb69 | OBN | Salnikov. |
| | **ELASTIC+INELASTIC** | | | | | | | | | | |
| $Th^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | AECD-3136 | 51 | ORL | Shull.+ |
| $Th^{232}$ | Sigma | 6.0 4 | 1.4 6 | | Carbon | Diff Sig Int | 17 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| $Th^{232}$ | Ang Distrib | 6.0 4 | 1.4 6 | | Carbon | ModeratrTank | 85 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| $Th^{232}$ | Legendre Fit | 6.0 4 | 1.4 6 | | Carbon | ModeratrTank | 68 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | **MISC SCATT QUANT** | | | | | | | | | | |
| $Th^{232}$ | σ(Potential) | 2.7 7 | 2.7 7 | | | TimeOfFlight | 1 | PR 110 692 | May58 | BNL | Seth. |
| $Th^{232}$ | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | AECD-3136 | 51 | ORL | Shull.+ |
| $Th^{232}$ | σ(Coherent) | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Th^{232}$ | σ(Coherent) | 4.2 -2 | 4.2 -2 | | | Diffraction | 1 | ACR 15 351 | Jul62 | LAS | Roof,R.B. |
| $Th^{232}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Diffraction | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Th^{232}$ | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | TimeOfFlight | 1 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Th^{232}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Ring Geomtry | 2 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| $Th^{232}$ | σ(Free Atom) | 1.4 0 | 1.4 0 | | | Extrapolatn | 1 | ORNL-1164 34 | 51 | ORL | Rayburn. |
| $Th^{232}$ | Scatt Amplitude | 2.5 -2 | 7.3 -2 | | | Diffraction | 2 | PR 81 527 | Feb51 | ORL | Shull,C.G.+ |
| $Th^{232}$ | Scatt Amplitude | 4.2 -2 | 4.2 -2 | | | Diffraction | 1 | ACR 15 351 | Jul62 | LAS | Roof,R.B. |
| | **(n,2n) REACTION** | | | | | | | | | | |
| $Th^{232}$ | Sigma | 1.5 7 | 1.5 7 | | | Activation | 1 | AERE/NP/R-2033 | 56 | HAR | Phillips,J.A. |
| $Th^{232}$ | Sigma | 1.0 6 | 1.0 6 | | $S^{32}$(n,p) | Activation | 1 | JNE 7 215 | Sep58 | HAR | Phillips,J.A. |
| $Th^{232}$ | Sigma | 7.0 6 | 1.6 7 | | | | 2 | WASH-1013 34 | Nov58 | LAS | Henkel,R.L.+ |
| $Th^{232}$ | Sigma | 8.4 6 | 1.5 7 | | | Activation | 13 | BAP 4 445 | 59 | LRL | Miller,A.E.+ |
| $Th^{232}$ | Sigma | 1.5 7 | 1.5 7 | | $U^{238}$(n,f) | Activation | 1 | AE 8 360 | 60 | CCP | Kovrizhnykh,A.A.+ |
| $Th^{232}$ | Sigma | 6.5 6 | 2.0 7 | | $S^{32}$(n,p) | | 18 | CJC 39 689 | 61 | CR | Butler,J.P.+ |
| $Th^{232}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | JNE 14 69 | 61 | ALD | Perkin,J.L.+ |
| $Th^{232}$ | Sigma | 1.2 7 | 1.7 7 | | $U^{238}$(n,f) | Activation | 13 | PR 121 1438 | Mar61 | LAS | Prestwood. |
| $Th^{232}$ | Sigma | 7.0 6 | 7.0 6 | | | TimeOfFlight | 1 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| | **(n,3n) REACTION** | | | | | | | | | | |
| $Th^{232}$ | Sigma | 1.4 7 | 1.4 7 | | Another Reac | Threshold C | 1 | JNE 17 437 | 63 | ALD | Mctaggart. |
| | **FISSION CROSS SECT** | | | | | | | | | | |
| $Th^{232}$ | Sigma | 6.7 6 | 6.7 6 | | | | 1 | HENKEL 54 | 54 | LAS | Henkel.+ |
| $Th^{232}$ | Sigma | 1.2 6 | 9.5 6 | S | | | 208 | HENKEL 54 | 54 | LAS | Henkel.+ |
| $Th^{232}$ | Sigma | 8.4 7 | 3.8 8 | | | | 3 | DOK 101 1027 | 55 | CCP | |
| $Th^{232}$ | Sigma | 1.4 7 | 1.4 7 | | $U^{238}$(n,f) | Back-to-Back | 1 | AERE/NP/R-1996 | Jun56 | HAR | Uttley. |
| $Th^{232}$ | Sigma | 1.1 6 | 9.0 6 | | $U^{235}$(n,f) | Ion Chamber | 158 | LA-2122 | Mar57 | LAS | Henkel. |
| $Th^{232}$ | Sigma | 1.0 6 | 1.0 6 | | Absolute | Proportion C* | 1 | JNE 4 133 | Jun57 | HAR | Rose,H.+ |
| $Th^{232}$ | Sigma | 1.5 7 | 1.5 7 | | | Ion Chamber | 1 | AE 4 190 | 58 | CCP | Protopopov,A.N.+ |
| $Th^{232}$ | Sigma | 3.1 6 | 7.2 6 | | | Ion Chamber | 9 | 58GENEVA/16-136 | Sep58 | CCP | Pankratov. |
| $Th^{232}$ | Sigma | 3.0 6 | 1.1 7 | S | | Ion Chamber | 23 | 58GENEVA/16-136 | Sep58 | CCP | Pankratov. |
| $Th^{232}$ | Sigma | 1.5 7 | 1.5 7 | | | | 1 | AE 5 659 | Dec58 | CCP | Berezin,A.A. |
| $Th^{232}$ | Sigma | 1.5 7 | 1.5 7 | | Absolute | Ion Chamber | 1 | AE 5 659 | Dec58 | CCP | Berezin,A.A. |
| $Th^{232}$ | Sigma | 2.2 7 | 2.2 7 | | | | 1 | AE 9 399 | 60 | CCP | Pankratov,V.M.+ |
| $Th^{232}$ | Sigma | 1.1 7 | 2.0 7 | | | TimeOfFlight | 15 | AE 9 399 | 60 | CCP | Pankratov,V.M.+ |
| $Th^{232}$ | Sigma | 1.4 7 | 1.5 7 | C | Absolute | Nuc Emulsion | 3 | KATASE 61I | Sep61 | KYU | Katase,A. |
| $Th^{232}$ | Sigma | 1.1 6 | 6.1 6 | | | | 8 | BABCOCK 61J | Oct61 | BET | Babcock. |
| $Th^{232}$ | Sigma | 1.3 7 | 1.8 7 | | | Accelerator | 5 | BABCOCK 61J | Oct61 | BET | Babcock. |
| $Th^{232}$ | Sigma | 5.4 6 | 3.7 7 | | | | 40 | AE 14 177 | Feb63 | CCP | Pankratov. |
| $Th^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 3 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| $Th^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 1 | AE 17 294 | Oct64 | CCP | Batyrbekov,G.A.+ |
| $Th^{232}$ | Sigma | 2.0 6 | 7.0 6 | | | TimeOfFlight | 4 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Sigma | 1.3 7 | 1.8 7 | | $U^{238}$(n,f) | | 16 | RP 13 654 | Jun67 | NRD | Rago. |
| $Th^{232}$ | Sigma | 1.2 6 | 1.6 6 | | | | 3 | NP A118 65 | Sep68 | ANL | Behkami. |
| $Th^{232}$ | Sigma | 1.0 6 | 1.0 6 | | | | 1 | EANDC/J- 19 37 | Aug70 | KTO | Kobayashi,K.+ |
| | **FISSION FRAGMENTS** | | | | | | | | | | |
| $Th^{232}$ | Yield | 1.0 6 | 1.0 6 | | | | 5 | EANDC/J- 19 37 | Aug70 | KTO | Kobayashi,K.+ |
| $Th^{232}$ | Ang Distrib | 1.8 6 | 5.2 6 | | Ratio | | 10 | NP A 96 617 | Apr67 | CAT | Lo Nigro,S.+ |
| $Th^{232}$ | Ang Distrib | 1.8 6 | 5.2 6 | | Ratio | Nuc Emulsion | 80 | NP A 96 617 | Apr67 | CAT | Lo Nigro,S.+ |
| $Th^{232}$ | Ang Distrib | 1.3 6 | 1.4 6 | | Ratio | | 3 | 67BOLOGNA/2C- 6 | Oct67 | CAT | Lo Nigro,S.+ |
| $Th^{232}$ | Ang Distrib | 1.5 6 | 1.5 6 | | Ratio | Nuc Emulsion | 1 | 67BOLOGNA/2C- 6 | Oct67 | CAT | Lo Nigro,S.+ |
| $Th^{232}$ | Ang Distrib | 1.4 7 | 1.4 7 | | $U^{238}$(n,f) | * | 21 | INDC/HUN- 1 2 | Apr70 | KOS | Csikai,G. |
| | **NU-BAR** | | | | | | | | | | |
| $Th^{232}$ | Prompt+Delayed | 3.0 6 | 7.0 6 | | | TimeOfFlight | 3 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Prompt | 4.0 6 | 4.0 6 | N | $U^{235}$(n,f) | Coincidences | 1 | 58GENEVA/15-353 | Sep58 | CCP | Bondarenko. |
| $Th^{232}$ | Prompt | 1.4 6 | 1.4 6 | N | $U^{238}$(n,f) | Hornyak Butn | 1 | PR 115 1242 | Sep59 | ANL | Smith. |
| $Th^{232}$ | Prompt | 1.4 7 | 1.4 7 | | | | 1 | JPR 21 617 | Sep60 | SAC | Leroy,J. |
| $Th^{232}$ | Prompt | 2.3 6 | 1.6 7 | | | Proportion C | 3 | SPN- 177 | 61 | CCP | Kuz'minov,B.D. |
| $Th^{232}$ | Prompt | 3.6 6 | 1.5 7 | | $Cf^{252}$(Nu) | Scint Tank * | 2 | NSE 11 397 | Dec61 | FOA | Conde,H.+ |
| $Th^{232}$ | Prompt | 1.4 6 | 1.5 7 | | $Cf^{252}$(Nu) | Scint Tank * | 9 | 65SALZB/II- 57 | Mar65 | FOA | Conde,H.+ |
| $Th^{232}$ | Prompt | 1.4 6 | 4.0 6 | | $Cf^{252}$(Nu) | Liquid Scint | 4 | NP 66 149 | Apr65 | ALD | Mather,D.S.+ |
| $Th^{232}$ | Delayed | 1.0 6 | 1.0 6 | | | Proportion C | 1 | JNE 4 133 | Jun57 | HAR | Rose,H.+ |
| $Th^{232}$ | Delayed | 5.0 6 | 7.8 6 | | Ratio | Proportion C | 36 | INDC-152 75 | Nov66 | PEI | Maksyutenko,B.P. |
| $Th^{232}$ | Delayed | 1.5 7 | 1.5 7 | | | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| $Th^{232}$ | Delayed | 3.1 6 | 3.1 6 | | σ(E≠E(th)) | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| $Th^{232}$ | Unspecified | 3.7 5 | 3.3 6 | | σ(E≠E(th)) | Coincidences | 14 | 66PARIS/II- 67 | Oct66 | OBN | Prokhorova. |
| | **MISC FISS QUANT** | | | | | | | | | | |
| $Th^{232}$ | Neutron/Capture | 1.4 7 | 1.4 7 | | | Threshold C | 1 | JNE 17 437 | 63 | ALD | Mctaggart. |
| $Th^{232}$ | Neutron/Capture | 3.0 6 | 7.0 6 | | | | 3 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Neutron/Capture | 3.0 6 | 7.0 6 | | | TimeOfFlight | 3 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Th^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Th^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Pile Oscilat | 1 | PR 88 412 | Oct52 | ORL | Pomerance. |
| $Th^{232}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | AE 2 22 | 57 | CCP | Myasishcheva. |
| $Th^{232}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| $Th^{232}$ | Reson Integral | 5.0 -1 | 5.0 -1 | N | Boron | Pile Oscilat | 1 | JNE 12 32 | 60 | HAR | Tattersall. |
| $Th^{232}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | EANDC/E- 23 5 | Feb62 | GER | Brose,M. |
| $Th^{232}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Boron | Pile Oscilat | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| $Th^{232}$ | Reson Integral | 1.0 6 | 1.0 6 | | Boron | ReactivityCo* | 1 | AKE 15 83 | Feb70 | GFK | Breitenhuber,L. |
| | NONELASTIC SCATT | | | | | | | | | | |
| $Th^{232}$ | Sigma | 1.0 6 | 1.0 6 | | | Total | 1 | PR 93 1062 | Mar54 | WIS | Walt,M.+ |
| $Th^{232}$ | Sigma | 3.1 6 | 3.1 6 | | | Total | 1 | SPN- 224 | 61 | CCP | Popov,V.I. |
| $Th^{232}$ | Sigma | 1.4 7 | 1.4 7 | | | Threshold C | 1 | JNE 17 437 | 63 | ALD | Mctaggart. |
| $Th^{232}$ | Sigma | 3.0 6 | 7.0 6 | | | TimeOfFlight | 3 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Sigma | 2.4 4 | 2.4 4 | | | Shell Trans | 1 | AE 20 431 | May66 | CCP | Koroleva,V.P.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Th^{232}$ | Sigma | 8.1 -3 | 5.8 0 | | Absolute | TimeOfFlight | 66 | AECD-3288 | Apr51 | COL | |
| $Th^{232}$ | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| $Th^{232}$ | Sigma | 6.7 2 | 1.5 5 | | Absolute | Accelerator | 133 | ANL-5175 | 53 | ANL | Hibdon,C.T.+ |
| $Th^{232}$ | Sigma | 8.9 4 | 3.0 6 | | Absolute | RecoilChambr | 18 | PR 89 1271 | Mar53 | WIS | Walt. |
| $Th^{232}$ | Sigma | 1.7 1 | 2.2 2 | | Absolute | TimeOfFlight | 128 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Th^{232}$ | Sigma | 5.9 0 | 1.0 1 | S | Absolute | TimeOfFlight | 38 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Th^{232}$ | Sigma | 1.9 -3 | 2.5 0 | | Absolute | TimeOfFlight | 52 | EGELSTAFF 54L | Dec54 | HAR | Egelstaff. |
| $Th^{232}$ | Sigma | 2.1 1 | 5.8 2 | | Absolute | TimeOfFlight | 143 | PILCHER 55D | Apr55 | BNL | Pilcher. |
| $Th^{232}$ | Sigma | 9.7 0 | 2.3 3 | | | TimeOfFlight | 286 | PR 98 223 | Apr55 | ANL | Bollinger,L.M. |
| $Th^{232}$ | Sigma | 5.3 -1 | 5.4 1 | | | TimeOfFlight | 21 | PR 110 692 | May58 | BNL | Seth. |
| $Th^{232}$ | Sigma | 3.4 6 | 5.1 6 | | Absolute | Transmission | 89 | JPJ 15 1994 | Nov60 | JAE | Tsukada,K.+ |
| $Th^{232}$ | Sigma | 1.9 6 | 8.0 6 | | Absolute | TimeOfFlight | 17 | SPN- 191 | 61 | CCP | Averchenkov,V.Y.+ |
| $Th^{232}$ | Sigma | 3.5 2 | 6.0 4 | | Absolute | TimeOfFlight | 33 | 61SACLAY-109 | Jul61 | HAR | Uttley,C.A. |
| $Th^{232}$ | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| $Th^{232}$ | Sigma | 1.5 1 | 2.9 2 | | | TimeOfFlight | 831 | PATTENDEN 64D | Apr64 | HAR | Pattenden. |
| $Th^{232}$ | Sigma | 8.2 1 | 4.0 3 | | | TimeOfFlight | 5877 | PR 134B 985 | Jun64 | COL | Garg. |
| $Th^{232}$ | Sigma | 3.0 4 | 6.5 5 | | Absolute | TimeOfFlight | 102 | SETH 64K | Nov64 | DKE | Seth. |
| $Th^{232}$ | Sigma | 1.4 0 | 1.4 0 | | | | 1 | NP 61 381 | Jan65 | ORL | Rayburn,L.A. |
| $Th^{232}$ | Sigma | 2.0 6 | 7.0 6 | | | TimeOfFlight | 4 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Sigma | 2.0 6 | 7.0 6 | | Absolute | Accelerator | 4 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| $Th^{232}$ | Sigma | 2.1 2 | 1.1 4 | | Absolute | TimeOfFlight | 4117 | RIBON 66 | 66 | SAC | Ribon,P. |
| $Th^{232}$ | Sigma | 6.5 3 | 9.5 5 | | Absolute | TimeOfFlight | 28 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Th^{232}$ | Sigma | 2.4 6 | 1.5 7 | | Absolute | TimeOfFlight | 229 | FOSTER 67E | May67 | BNW | Foster. |
| $Th^{232}$ | Sigma | 3.3 6 | 5.1 6 | | Absolute | Transmission | 60 | ARS 64 373 | Dec68 | JNE | |
| $Th^{232}$ | Sigma | 1.5 6 | 8.6 6 | | | TimeOfFlight* | 139 | NP A151 369 | Aug70 | PAD | Pasoli,U.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Th^{232}$ | Γ(γ) | 2.2 1 | 1.7 2 | | | AreaAnalysis | 8 | BOLLINGER 53 | 53 | ANL | Bollinger. |
| $Th^{232}$ | Γ(γ) | 2.2 1 | 2.4 1 | | | TimeOfFlight | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Th^{232}$ | Γ(γ) | 2.2 1 | 2.4 1 | | | Interference | 2 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Th^{232}$ | Γ(γ) | -7.0 0 | -7.0 0 | | | | 1 | PR 110 692 | May58 | BNL | Seth. |
| $Th^{232}$ | Γ(γ) | 2.2 1 | 6.9 1 | S | | TimeOfFlight | 4 | BOLLINGER 59H | Aug59 | ANL | Bollinger. |
| $Th^{232}$ | Γ(γ) | -3.5 0 | -3.5 0 | | | Breit-Wigner | 1 | ANS 4 271 | 61 | GA | Cooper. |
| $Th^{232}$ | Γ(γ) | -4.3 0 | -4.3 0 | | | | 1 | AEEW/R- 163 | Mar62 | WIN | |
| $Th^{232}$ | Γ(γ) | 2.2 1 | 3.4 2 | | | AreaAnalysis | 9 | AERE/M-1223 | Mar63 | HAR | Uttley. |
| $Th^{232}$ | Γ(γ) | 2.2 1 | 4.9 2 | | | AreaAnalysis | 15 | AERE/PR/NP- 7 5 | 64 | HAR | Moxon. |
| $Th^{232}$ | Γ(γ) | 6.9 1 | 1.1 2 | | | | 2 | BAP 9 20 | Jan64 | GA | Palevsky,H.+ |
| $Th^{232}$ | Γ(γ) | 2.2 1 | 2.3 1 | | | Selfindicatn | 2 | BAP 9 20 | Jan64 | GA | Palevsky,H.+ |
| $Th^{232}$ | Γ(γ) | 1.1 8 | 8.0 8 | | | AreaAnalysis | 15 | PR 134B 985 | Jun64 | COL | Garg. |
| $Th^{232}$ | Γ(γ) | 2.2 1 | 2.2 2 | S | | Scint Tank | 9 | HADDAD 65B | Feb65 | GA | Haddad. |
| $Th^{232}$ | Γ(γ) | 1.1 1 | 6.9 1 | | | Shape Analys | 14 | 65ANTWRP-166 | Jul65 | SAC | Ribon,P.+ |
| $Th^{232}$ | Γ(γ) | 8.2 0 | 8.4 2 | | | Selfindicatn | 25 | PALEVSKY 65I | Sep65 | BNL | Palevsky. |
| $Th^{232}$ | Γ(γ) | 2.2 1 | 2.2 2 | | | AreaAnalysis | 9 | PR 140B 50 | Oct65 | GA | Haddad,E.+ |
| $Th^{232}$ | Γ(γ) | 8.3 0 | 2.7 3 | | | Shape Analys | 68 | SANCHE 65K | Nov65 | SAC | Sanche,M.+ |
| | n-WIDTH | | | | | | | | | | |
| $Th^{232}$ | Γ(n) | 2.2 1 | 1.7 2 | | | AreaAnalysis | 8 | BOLLINGER 53 | 53 | ANL | Bollinger. |
| $Th^{232}$ | Γ(n) | 2.2 1 | 1.3 2 | | | AreaAnalysis | 7 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Th^{232}$ | Γ(n) | 2.2 1 | 3.1 2 | | | TimeOfFlight | 16 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| $Th^{232}$ | Γ(n) | 2.2 1 | 3.5 2 | | | TimeOfFlight | 22 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Th^{232}$ | Γ(n) | 2.2 1 | 2.4 1 | | | Interference | 2 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| $Th^{232}$ | Γ(n) | 1.9 2 | 2.6 2 | | | TimeOfFlight | 5 | BOLLINGER 59H | Aug59 | ANL | Bollinger. |
| $Th^{232}$ | Γ(n) | 2.2 1 | 1.7 2 | S | | TimeOfFlight | 8 | BOLLINGER 59H | Aug59 | ANL | Bollinger. |
| $Th^{232}$ | Γ(n) | 3.3 2 | 1.3 3 | | | AreaAnalysis | 46 | AERE/PR/NP- 2 1 | May62 | HAR | Uttley. |
| $Th^{232}$ | Γ(n) | 2.2 1 | 3.4 2 | | | AreaAnalysis | 15 | AERE/M-1223 | Mar63 | HAR | Uttley. |
| $Th^{232}$ | Γ(n) | 2.2 1 | 6.9 1 | | | AreaAnalysis | 5 | AERE/PR/NP- 5 6 | Oct63 | HAR | Pattenden. |
| $Th^{232}$ | Γ(n) | 6.9 1 | 6.9 1 | | | Shape Analys | 1 | AERE/PR/NP- 5 6 | Oct63 | HAR | Pattenden. |
| $Th^{232}$ | Γ(n) | 2.2 1 | 4.9 2 | | | AreaAnalysis | 16 | AERE/PR/NP- 7 5 | 64 | HAR | Moxon. |
| $Th^{232}$ | Γ(n) | 6.9 1 | 1.7 2 | | | | 3 | BAP 9 20 | Jan64 | GA | Palevsky,H.+ |
| $Th^{232}$ | Γ(n) | 2.2 1 | 5.9 1 | | | Selfindicatn | 5 | BAP 9 20 | Jan64 | GA | Palevsky,H.+ |
| $Th^{232}$ | Γ(n) | 8.3 0 | 1.0 2 | | | AreaAnalysis | 11 | PL 8 45 | Jan64 | ANL | Bollinger,L.M.+ |
| $Th^{232}$ | Γ(n) | 8.3 0 | 1.0 2 | | | TimeOfFlight | 11 | PL 8 45 | Jan64 | ANL | Bollinger,L.M.+ |
| $Th^{232}$ | Γ(n) | 1.8 3 | 3.9 3 | | | AreaAnalysis | 121 | PR 134B 985 | Jun64 | COL | Garg. |
| $Th^{232}$ | Γ(n) | 8.3 0 | 1.2 3 | | | Accelerator | 134 | 64PARIS/II- 744 | Jul64 | SAC | Ribon. |
| $Th^{232}$ | Γ(n) | 2.2 1 | 2.2 2 | S | | Scint Tank | 10 | HADDAD 65B | Feb65 | GA | Haddad. |
| $Th^{232}$ | Γ(n) | 8.2 0 | 8.7 2 | | | Selfindicatn | 44 | PALEVSKY 65I | Sep65 | BNL | Palevsky. |
| $Th^{232}$ | Γ(n) | 2.2 1 | 2.2 2 | | | AreaAnalysis | 10 | PR 140B 50 | Oct65 | GA | Haddad,E.+ |
| $Th^{232}$ | Γ(n) | 8.3 0 | 3.0 3 | | | Shape Analys | 312 | SANCHE 65K | Nov65 | SAC | Sanche,M.+ |
| $Th^{232}$ | Γ(n,l=0) | 2.2 1 | 1.3 2 | | | AreaAnalysis | 7 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Th^{232}$ | Γ(n,l=0) | 2.2 1 | 3.5 2 | | | TimeOfFlight | 17 | AE 1 55 5 | 56 | CCP | Radkevich,I.A. |
| $Th^{232}$ | Γ(n,l=0) | -7.0 0 | -7.0 0 | | | | 1 | PR 110 692 | May58 | BNL | Seth. |
| $Th^{232}$ | Γ(n,l=0) | 1.9 2 | 2.6 2 | | | TimeOfFlight | 5 | BOLLINGER 59H | Aug59 | ANL | Bollinger. |
| $Th^{232}$ | Γ(n,l=0) | 2.2 1 | 1.7 2 | S | | TimeOfFlight | 8 | BOLLINGER 59H | Aug59 | ANL | Bollinger. |
| $Th^{232}$ | Γ(n,l=0) | -3.5 0 | -3.5 0 | | | Breit-Wigner | 1 | ANS 4 271 | 61 | GA | Cooper. |
| $Th^{232}$ | Γ(n,l=0) | -4.3 0 | -4.3 0 | | | | 1 | AEEW/R- 163 | Mar62 | WIN | |
| $Th^{232}$ | Γ(n,l=0) | 3.3 2 | 1.3 3 | | | AreaAnalysis | 44 | AERE/PR/NP- 2 1 | May62 | HAR | Uttley. |
| $Th^{232}$ | Γ(n,l=0) | 1.1 2 | 3.9 3 | | | AreaAnalysis | 216 | PR 134B 985 | Jun64 | COL | Garg. |
| $Th^{232}$ | Γ(n,l=0) | 8.3 0 | 3.0 3 | | | Accelerator | 290 | 64PARIS/II- 744 | Jul64 | SAC | Ribon. |
| $Th^{232}$ | Γ(n,l=0) | 8.3 0 | 3.0 3 | | | Shape Analys | 312 | SANCHE 65K | Nov65 | SAC | Sanche,M.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n-WIDTH (CONTINUED) | | | | | | | | | | | | |
| $Th^{232}$ | $\Gamma(n,l=0)$ | -5.1 | 0 | -5.1 | 0 | | | * | 1 | NUK 11 61 | May68 | UPP | Lundgren,G. |
| $Th^{232}$ | $\Gamma(n,l=1)$ | 1.3 | 1 | 2.1 | 1 | | | | 2 | BAP 9 20 | Jan64 | GA | Palevsky,H.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Th^{232}$ | $\Gamma$ | 2.2 | 1 | 1.7 | 2 | | | AreaAnalysis | 8 | BOLLINGER 53 | 53 | ANL | Bollinger. |
| $Th^{232}$ | $\Gamma$ | 1.9 | 2 | 2.6 | 2 | | | TimeOfFlight | 5 | BOLLINGER 59H | Aug59 | ANL | Bollinger. |
| $Th^{232}$ | $\Gamma$ | 2.2 | 1 | 1.7 | 2 | S | | TimeOfFlight | 8 | BOLLINGER 59H | Aug59 | ANL | Bollinger. |
| $Th^{232}$ | $\Gamma$ | 6.9 | 1 | 6.9 | 1 | | | Shape Analys | 1 | AERE/PR/NP- 5 6 | Oct63 | HAR | Pattenden. |
| $Th^{232}$ | $\Gamma$ | 8.3 | 0 | 9.4 | 2 | | | Accelerator | 21 | 64PARIS/II- 744 | Jul64 | SAC | Ribon. |
| $Th^{232}$ | $\Gamma$ | 1.1 | 1 | 6.9 | 1 | | | Shape Analys | 14 | 65ANTWRP-166 | Jul65 | SAC | Ribon,P.+ |
| $Th^{232}$ | $\Gamma$ | 8.3 | 0 | 2.7 | 3 | | | Shape Analys | 68 | SANCHE 65K | Nov65 | SAC | Sanche,M.+ |
| $Th^{232}$ | $\Gamma^2\sigma(0)$ | 2.2 | 1 | 1.3 | 2 | | | AreaAnalysis | 7 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Th^{232}$ | $\Gamma^2\sigma(0)$ | 2.2 | 1 | 3.5 | 2 | | | TimeOfFlight | 15 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Th^{232}$ | Resonance Energy | 1.1 | 3 | 1.2 | 3 | | | TimeOfFlight | 4 | AERE/PR/NP- 2 1 | May62 | HAR | Uttley. |
| $Th^{232}$ | Resonance Energy | 1.5 | 2 | 2.0 | 2 | | | AreaAnalysis | 3 | AERE/M-1223 | Mar63 | HAR | Uttley. |
| $Th^{232}$ | Resonance Energy | 4.0 | 3 | 4.0 | 3 | | | AreaAnalysis | 4 | PR 134B 985 | Jun64 | COL | Garg. |
| $Th^{232}$ | Resonance Energy | 2.3 | 3 | 2.9 | 3 | | | Accelerator | 11 | 64PARIS/II- 744 | Jul64 | SAC | Ribon. |
| $Th^{232}$ | Resonance Energy | 4.5 | 2 | 8.5 | 2 | | | Selfindicatn | 2 | PALEVSKY 65I | Sep65 | BNL | Palevsky. |
| $Th^{232}$ | Resonance Energy | -5.1 | 0 | -5.1 | 0 | | | * | 1 | NUK 11 61 | May68 | UPP | Lundgren,G. |
| $Th^{232}$ | $\sigma(0)$ | 2.2 | 1 | 1.7 | 2 | | | TimeOfFlight | 8 | BOLLINGER 53 | 53 | ANL | Bollinger. |
| $Th^{232}$ | $\sigma(0)$ | 1.9 | 2 | 2.6 | 2 | | | TimeOfFlight | 5 | BOLLINGER 59H | Aug59 | ANL | Bollinger. |
| $Th^{232}$ | $\sigma(0)$ | 2.2 | 1 | 1.7 | 2 | S | | TimeOfFlight | 8 | BOLLINGER 59H | Aug59 | ANL | Bollinger. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Th^{232}$ | Strength Fn(l=0) | 1.5 | 2 | 1.5 | 2 | | | TimeOfFlight | 1 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| $Th^{232}$ | Strength Fn(l=0) | 4.0 | 2 | 4.0 | 2 | | | Shape Analys | 1 | NP 55 517 | Jul64 | HAR | James. |
| $Th^{232}$ | Strength Fn(l=0) | 1.0 | 5 | 1.0 | 5 | | | Transmission | 1 | 64PARIS/II- 700 | Jul64 | HAR | Uttley,C.A. |
| $Th^{232}$ | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Th^{232}$ | Strength Fn(l=0) | 3.0 | 2 | 3.0 | 2 | | | Shape Analys | 1 | 65ANTWRP-166 | Jul65 | SAC | Ribon,P.+ |
| $Th^{232}$ | Strength Fn(l=0) | 8.7 | 2 | 8.7 | 2 | | | | 1 | NP 76 196 | Feb66 | HAR | |
| $Th^{232}$ | Strength Fn(l=0) | 3.0 | 3 | 3.0 | 3 | | | | 2 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Th^{232}$ | Strength Fn(l=1) | 6.0 | 4 | 6.0 | 4 | | | AreaAnalysis | 1 | 61SACLAY-109 | Jul61 | HAR | Uttley,C.A. |
| $Th^{232}$ | Strength Fn(l=1) | 1.0 | 5 | 1.0 | 5 | | | Transmission | 1 | 64PARIS/II- 700 | Jul64 | HAR | Uttley,C.A. |
| $Th^{232}$ | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| $Th^{232}$ | Strength Fn(l=1) | 3.0 | 2 | 3.0 | 2 | | | Shape Analys | 1 | 65ANTWRP-166 | Jul65 | SAC | Ribon,P.+ |
| $Th^{232}$ | Strength Fn(l=1) | 1.0 | 6 | 1.0 | 6 | | | | 3 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Th^{232}$ | Strength Fn(l=1) | 3.0 | 3 | 3.0 | 3 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| $Th^{232}$ | Strength Fn(l=2) | 1.0 | 6 | 1.0 | 6 | | | | 4 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| $Th^{232}$ | Level Spacing | 6.6 | 1 | 6.6 | 1 | | | AreaAnalysis | 1 | PR 95 476 | Jul54 | BNL | Seidl. |
| $Th^{232}$ | Lvl Spacing(l=0) | 3.0 | 3 | 3.0 | 3 | | | | 1 | RIBON 69 | 69 | SAC | Ribon,P. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Th^{233}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | ANL-4165 | Jun48 | ANL | |
| $Th^{233}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | | Activation | 1 | ANL-4165 | Jun48 | ANL | |
| $Th^{233}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | JNE 11 95 | Feb60 | ORL | Johnston,P.J.+ |
| $Th^{233}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | JNE 11 95 | Feb60 | ORL | Johnston,P.J.+ |
| $Th^{233}$ | Resen Integral | 5.0 | -1 | 5.0 | -1 | | | Activation | 1 | JNE 11 95 | Feb60 | ORL | Johnston,P.J.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Th^{233}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | JNE 11 95 | Feb60 | ORL | Johnston,P.J.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Th^{233}$ | Strength Fn(l=0) | 3.0 | 1 | 3.0 | 1 | | | Shape Analys* | 1 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Pa^{231}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | CS-3471 2 | Apr46 | ANL | Seaborg. |
| $Pa^{231}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 90 102 | Apr53 | ANL | Elson. |
| $Pa^{231}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Activation | 1 | PR 90 102 | Apr53 | ANL | Elson. |
| $Pa^{231}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | PR 101 1053 | Feb56 | MTR | Smith,R.R.+ |
| $Pa^{231}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| $Pa^{231}$ | Reson Integral | 1.0 -1 | 1.0 -1 | C | | Breit-Wigner | 1 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Pa^{231}$ | Sigma | 4.3 5 | 3.0 6 | | $U^{235}(n,f)$ | Ion Chamber | 15 | LA- 150 | Oct44 | LAS | Barschall. |
| $Pa^{231}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | CS-3471 2 | Apr46 | ANL | Seaborg. |
| $Pa^{231}$ | Sigma | 1.3 5 | 1.7 6 | | | Ion Chamber | 46 | DOK 157 561 | 64 | CCP | Dubrovina. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pa^{231}$ | Sigma | 2.5 -2 | 2.1 3 | | | TimeOfFlight | 172 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| $Pa^{231}$ | Sigma | 1.5 -2 | 3.5 1 | | Absolute | TimeOfFlight | 1172 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| | γ-WIDTH | | | | | | | | | | |
| $Pa^{231}$ | Γ(γ) | -3.2 -1 | 1.1 1 | | | Breit-Wigner | 25 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| $Pa^{231}$ | Γ(γ) | 5.0 0 | 1.1 1 | | | Thick+Thin T | 5 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| | n-WIDTH | | | | | | | | | | |
| $Pa^{231}$ | $2g\Gamma(n,l=0)$ | 7.4 -1 | 9.7 0 | | | AreaAnalysis | 16 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| $Pa^{231}$ | $2g\Gamma(n,l=0)$ | -3.2 -1 | 1.1 1 | | | Breit-Wigner | 25 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| $Pa^{231}$ | $2g\Gamma(n,l=0)$ | 5.0 0 | 1.1 1 | | | Thick+Thin T | 5 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| $Pa^{231}$ | $2g\Gamma(n,l=0)$ | 4.0 -1 | 4.0 -1 | | | Shape Analys | 1 | ORNL-3268 47 | 62 | ORL | Patterson. |
| | FISSION WIDTH | | | | | | | | | | |
| $Pa^{231}$ | Γ(Fiss) | 4.0 -1 | 1.2 0 | | | Crystal Spec | 4 | BAP 6 8 | 61 | HAN | Leonard. |
| $Pa^{231}$ | $\Gamma(Fiss)\sigma(0)/\Gamma$ | 4.0 -1 | 1.2 0 | | | Crystal Spec | 4 | BAP 6 8 | 61 | HAN | Leonard. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Pa^{231}$ | Strength Fn(l=0) | 1.1 1 | 1.1 1 | | | TimeOfFlight | 1 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| $Pa^{231}$ | Level Spacing | 1.1 1 | 1.1 1 | | | TimeOfFlight | 3 | NSE 12 243 | 62 | MTR | Simpson,F.B.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pa^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 90 102 | Apr53 | ANL | Elson. |
| $Pa^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | PR 101 1053 | Feb56 | MTR | Smith,R.R.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{233}$ | Activation | 1 | CP-3630 | Sep46 | ANL | Katzin. |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 5 | IDO-16226 | Oct55 | MTR | Smith. |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Co^{59}$ | Activation | 1 | IDO-16226 | Oct55 | MTR | Smith. |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | NSE 1 1 | Mar56 | ANL | |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 3 | NSE 1 1 | Mar56 | ORL | |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 1 | 58GENEVA/16- 54 | Sep58 | CR | Eastwood,T.A.+ |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 5 | CJP 38 751 | 60 | CR | Eastwood,T.A.+ |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 2 | ORNL-3320 1 | Dec62 | ORL | Halperin. |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | S | $Co^{59}$ | Mass Spec | 2 | ORNL-3320 1 | Dec62 | ORL | Halperin. |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | NSE 20 235 | Oct64 | ORL | Simpson. |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | STOUGHTON 64L | Dec64 | ORL | Stoughton. |
| $Pa^{233}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 4 | IDO-16226 | Oct55 | MTR | Smith. |
| $Pa^{233}$ | Reson Integral | 5.0 -1 | 5.0 -1 | N | $Co^{59}$ | Activation | 2 | IDO-16226 | Oct55 | MTR | Smith. |
| $Pa^{233}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 2 | CJP 38 751 | 60 | CR | Eastwood,T.A.+ |
| $Pa^{233}$ | Reson Integral | 2.0 -1 | 5.5 -1 | | $Co^{59}$ | Mass Spec | 2 | ORNL-3320 1 | Dec62 | ORL | Halperin. |
| $Pa^{233}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | WAPD/TM-612 | Sep67 | BET | Connor. |
| $Pa^{233}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Th(n,f) | Activation | 1 | WAPD/TM-612 | Sep67 | BET | Connor. |
| $Pa^{233}$ | Reson Integral | 6.5 -1 | 6.5 -1 | | | Activation | 1 | NSE 29 408 | Oct67 | BET | Connor. |
| $Pa^{233}$ | Reson Integral | 6.5 -1 | 6.5 -1 | | $Co^{59}$ | Activation | 1 | NSE 29 408 | Oct67 | BET | Connor. |
| $Pa^{233}$ | Reson Integral | 6.5 -1 | 6.5 -1 | | Th(n,f) | Activation | 1 | NSE 29 408 | Oct67 | BET | Connor. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Pa^{233}$ | Sigma | 1.0 6 | 1.0 6 | | Th(n,f) | Back-to-Back | 1 | NSE 27 85 | Jan67 | WUR | Von Gunten,H.R.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pa^{233}$ | Sigma | 1.0 0 | 2.0 1 | | | TimeOfFlight | 470 | IDO-16994 23 | Aug64 | MTR | Schuman. |
| $Pa^{233}$ | Sigma | 1.1 -2 | 1.0 0 | S | | TimeOfFlight | 67 | NSE 20 235 | Oct64 | MTR | Simpson. |
| $Pa^{233}$ | Sigma | 1.1 -2 | 1.1 4 | | | TimeOfFlight | 847 | 66WASH- 67 | Mar66 | MTR | Simpson. |
| $Pa^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE 28 133 | Apr67 | MTR | Simpson. |
| | γ-WIDTH | | | | | | | | | | |
| $Pa^{233}$ | Γ(γ) | -2.0 -1 | 5.2 0 | S | | TimeOfFlight | 9 | BAP 9 433 | Apr64 | MTR | Mughabghab. |
| | n-WIDTH | | | | | | | | | | |
| $Pa^{233}$ | $2g\Gamma(n,l=0)$ | 1.3 0 | 4.3 0 | | | AreaAnalysis | 5 | EANDC/US- 44 | Sep63 | MTR | Burgus,W.H.+ |
| $Pa^{233}$ | $2g\Gamma(n,l=0)$ | -2.0 -1 | 5.2 0 | S | | TimeOfFlight | 9 | BAP 9 433 | Apr64 | MTR | Mughabghab. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Pa^{233}$ | Resonance Energy | 7.2 0 | 1.6 1 | | | AreaAnalysis | 5 | EANDC/US- 44 | Sep63 | MTR | Burgus,W.H.+ |
| $Pa^{233}$ | Resonance Energy | 7.2 0 | 1.8 1 | S | | TimeOfFlight | 11 | BAP 9 433 | Apr64 | MTR | Mughabghab. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| U | Sigma | 2.5 -2 | 2.5 -2 | | $Mn^{55}$ | Pile Oscilat | 1 | JNE 1 319 | 55 | HAR | Small. |
| U | Sigma | 2.5 4 | 8.3 5 | S | | Shell Trans | 3 | ZET 34 574 | Mar58 | CCP | Belanova. |
| U | Sigma | 1.8 4 | 3.0 5 | | Silver | CrystalScint* | 8 | AP 23 425 | 63 | FOA | Berggvist. |
| | γ,EMISSION | | | | | | | | | | |
| U | Ang Distrib | 1.5 7 | 1.5 7 | | Carbon | TimeOfFlight | 11 | AN.PROG.REP.63I | Sep63 | TNC | Nellis,D.O.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| U | Sigma | 1.0 6 | 1.0 6 | | | RecoilChambr | 1 | TID- 5159 | 53 | WIS | Walt. |
| U | Sigma | 5.5 5 | 2.0 6 | | H(n,n) | Diff Sig Int | 2 | PR 109 2063 | Mar58 | LAS | Cranberg. |
| U | Sigma | 1.5 7 | 1.5 7 | | | Diff Sig Int | 1 | PR 128 1271 | Nov62 | VIR | Hudson,C.I.+ |
| U | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 19 | NP 47 633 | Sep63 | ANL | Smith,A.B. |
| U | Sigma | 3.0 5 | 3.0 5 | | | Diff Sig Int | 1 | UFZ 9 929 | 64 | UKR | Korzh. |
| U | Sigma | 8.0 5 | 8.0 5 | | | Diff Sig Int | 1 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| U | Sigma | 7.5 4 | 5.5 5 | | Absolute | Diff Sig Int | 5 | NP 80 46 | May66 | HAR | Barnard,E.+ |
| U | Ang Distrib | 1.0 6 | 1.0 6 | | | Proportion C | 9 | TID- 5157 | 53 | WIS | Walt. |
| U | Ang Distrib | 2.5 6 | 7.0 6 | | | Biased Scint | 46 | LA-2061 | 56 | LAS | Walt. |
| U | Ang Distrib | 5.0 5 | 1.0 6 | | | RecoilChambr | 18 | PR 104 731 | Nov56 | LAS | Allen. |
| U | Ang Distrib | 9.6 7 | 9.6 7 | | | Biased Scint | 7 | NP 21 15 | Nov60 | OXF | Salmon,G.L. |
| U | Ang Distrib | 8.0 5 | 8.0 5 | | | Ion Chamber | 23 | ZET 40 1878 | Jun61 | CCP | Aleksandrov. |
| U | Ang Distrib | 2.8 6 | 2.8 6 | | | Threshold C | 24 | ZET 40 1878 | Jun61 | CCP | Aleksandrov. |
| U | Ang Distrib | 2.8 7 | 2.8 7 | | | CrystalScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| U | Ang Distrib | 1.8 7 | 1.2 8 | | Absolute | Liquid Scint | 48 | NP 40 186 | Jan63 | HAR | Bowen,P.H.+ |
| U | Ang Distrib | 1.4 7 | 1.4 7 | | | | 13 | ZET 44 130 | Jan63 | FTI | Dukarevich. |
| U | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 9 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| U | Ang Distrib | 3.5 5 | 1.3 6 | | Carbon | TimeOfFlight | 121 | NP 47 633 | Sep63 | ANL | Smith,A.B. |
| U | Ang Distrib | 3.0 5 | 5.0 5 | | | Threshold C | 15 | UFZ 9 929 | 64 | UKR | Korzh. |
| U | Ang Distrib | 8.0 5 | 8.0 5 | | | Threshold C | 8 | AE 16 207 | Mar64 | UKR | Pasechnik. |
| U | Ang Distrib | 8.3 5 | 8.3 5 | | Carbon | Proportion C | 3 | PR 142 758 | Feb66 | ANL | Elwyn,A.J.+ |
| U | Ang Distrib | 7.5 4 | 1.0 6 | | Absolute | TimeOfFlight | 53 | NP 80 46 | May66 | HAR | Barnard,E.+ |
| U | Ang Distrib | 5.0 6 | 5.0 6 | | σ(Total) | TimeOfFlight | 13 | ZP 196 103 | Sep66 | DKE | Buccino,S.G.+ |
| U | Ang Distrib | 6.0 5 | 1.6 6 | | | Biased Scint | 31 | KUCHNIR 68H | Aug68 | ANL | Kuchnir. |
| U | Legendre Fit | 1.3 5 | 1.4 6 | | Carbon | ModeratrTank | 64 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| U | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 143 | NP 47 633 | Sep63 | ANL | Smith,A.B. |
| U | Polarizat n-out | 8.3 5 | 8.3 5 | | Ratio | Biased Scint | 4 | PR 142 758 | Feb66 | ANL | Elwyn,A.J.+ |
| U | Polarizat n-out | 8.3 5 | 8.3 5 | | Ratio | Proportion C | 10 | PR 142 758 | Feb66 | ANL | Elwyn,A.J.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| U | Sigma | 1.4 7 | 1.4 7 | | | Ring Geomtry | 1 | PR 111 250 | Jul58 | LAS | Coon. |
| U | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | LA-2177 | Jan59 | LAS | Cranberg. |
| U | Sigma | 4.0 6 | 1.2 7 | | Absolute | Diff Sig Int | 9 | AE 13 62 | Jul62 | CCP | Kozlova,N.V.+ |
| U | Sigma | 9.8 5 | 9.8 5 | | H(n,n) | Diff Sig Int | 1 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| U | Ang Distrib | 1.3 6 | 1.6 6 | | H(n,n) | TimeOfFlight | 2 | PPS 73 193 | 59 | ALD | Batchelor. |
| U | Ang Distrib | 4.0 6 | 1.2 7 | | Absolute | Nuc Emulsion | 50 | AE 13 62 | Jul62 | CCP | Kozlova,N.V.+ |
| U | Ang Distrib | 9.8 5 | 9.8 5 | | H(n,n) | TimeOfFlight | 20 | NP 42 86 | Apr63 | ALD | Gilboy,W.B.+ |
| | INEL SCATTERING | | | | | | | | | | |
| U | Sigma | 4.0 5 | 1.0 6 | | | | 17 | AE 14 400 | 63 | CCP | Glazkov. |
| U | Ang Distrib | 1.3 6 | 1.6 6 | | H(n,n) | TimeOfFlight | 4 | PPS 73 193 | 59 | ALD | Batchelor. |
| U | Ang Distrib | 1.1 5 | 1.6 6 | | Absolute | TimeOfFlight | 121 | NP 80 46 | May66 | HAR | Barnard,E.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| U | Sigma | 2.3 5 | 1.4 6 | | Carbon | Diff Sig Int | 15 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| U | Sigma | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 31 | AP 12 135 | Feb61 | ANL | Lane. |
| U | Ang Distrib | 1.3 5 | 1.4 6 | | Carbon | ModeratrTank | 80 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| U | Ang Distrib | 8.3 5 | 8.3 5 | | Carbon | Proportion C | 5 | ELWYN 65K | Nov65 | ANL | Elwyn. |
| U | Ang Distrib | 8.3 5 | 8.3 5 | | | Liquid Scint | 4 | PR 142 758 | Feb66 | ANL | Elwyn,A.J.+ |
| U | Ang Distrib | 8.3 5 | 8.3 5 | | Carbon | Proportion C | 10 | PR 142 758 | Feb66 | ANL | Elwyn,A.J.+ |
| U | Legendre Fit | 5.0 4 | 2.3 6 | | Carbon | ModeratrTank | 217 | AP 12 135 | Feb61 | ANL | Lane. |
| | MISC SCATT QUANT | | | | | | | | | | |
| U | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | AECD-3136 1 | 51 | ORL | |
| U | σ(Coherent) | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | JNE 1 92 | 54 | HAR | Egelstaff. |
| U | σ(Coherent) | 7.3 -2 | 7.3 -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| U | σ(Coherent) | 4.2 -2 | 4.2 -2 | | | Diffraction | 1 | ACR 15 351 | Jul62 | LAS | Roof,R.B. |
| U | σ(Bound Atom) | 7.3 -2 | 7.3 -2 | | | Diffraction | 1 | AECD-3136 1 | 51 | ORL | |
| U | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | JNE 1 92 | 54 | HAR | Egelstaff. |
| U | Scatt Amplitude | 7.3 -2 | 7.3 -2 | | | | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| U | Scatt Amplitude | 2.5 -2 | 2.5 -2 | | Carbon | Diffraction | 1 | JCP 35 1950 | 61 | ANL | Atoji. |
| U | Scatt Amplitude | 4.2 -2 | 4.2 -2 | | | Diffraction | 1 | ACR 15 351 | Jul62 | LAS | Roof,R.B. |
| | FISSION CROSS SECT | | | | | | | | | | |
| U | Sigma | 1.0 6 | 1.0 6 | | Absolute | Proportion C* | 1 | JNE 4 133 | Jun57 | HAR | Rose,H.+ |
| | FISSION FRAGMENTS | | | | | | | | | | |
| U | Yield | 0.0 | 0.0 | | | Activation | 1 | JNE 11 1 | Nov59 | NCA | Waltner.A.W.+ |
| U | Yield | 0.0 | 0.0 | | | | 1 | JNE 11 34 | Nov59 | HAR | Littler,D.J. |
| | MISC FISS QUANT | | | | | | | | | | |
| U | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| U | Neutron/Capture | 1.4 7 | 1.4 7 | | | Threshold C | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| U | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| U | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| U | Reson Integral | 5.0 -1 | 5.0 -1 | | | ReactivityCo | 1 | AE 3 507 | 57 | CCP | Klimentov. |
| | NONELASTIC SCATT | | | | | | | | | | |
| U | Sigma | 1.0 6 | 2.5 6 | | Absolute | Shell Trans | 2 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| U | Sigma | 1.4 7 | 1.4 7 | | Absolute | Shell Trans | 1 | AE 5 522 | 58 | CCP | Lebedev. |
| U | Sigma | 1.3 7 | 1.8 7 | | Absolute | Shell Trans | 7 | JNE 14 180 | 61 | ALD | Cohen,A.V. |
| U | Sigma | 1.5 7 | 1.5 7 | | | Shell Trans | 1 | EANDC/E- 49 85 | Oct63 | FR | Didier,D.+ |
| U | Sigma | 3.0 5 | 5.0 5 | | | Total | 2 | UFZ 9 929 | 64 | UKR | Korzh. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | |
| U | Sigma | 8.3 7 | 8.3 7 | | | Threshold C | 1 | PR 75 7 | Jan49 | BRK | Cook. |
| U | Sigma | 4.0 4 | 1.4 6 | | | | 16 | LA-1060 ? | Apr50 | WIS | Barschall,H.H. |
| U | Sigma | 3.3 -2 | 7.4 -1 | | Absolute | TimeOfFlight | 11 | MELKONIAN 52 | 52 | COL | Melkonian. |
| U | Sigma | 2.3 -4 | 2.7 -2 | | Absolute | TimeOfFlight | 94 | PALEVSKY 52 | 52 | BNL | Palevsky. |
| U | Sigma | 1.4 7 | 1.4 7 | | Absolute | CrystalScint | 1 | PR 88 562 | Nov52 | LAS | Coon. |
| U | Sigma | 6.7 2 | 1.5 5 | | Absolute | Accelerator | 135 | HIBDON 53 | 53 | ANL | Hibdon. |
| U | Sigma | 1.1 4 | 9.4 4 | | | | 24 | HIBDON 53 ? | 53 | ANL | Hibdon. |
| U | Sigma | 2.9 6 | 1.3 7 | | Absolute | Ion Chamber | 30 | PR 89 775 | Feb53 | LAS | Nereson. |
| U | Sigma | 1.8 7 | 2.0 7 | | Absolute | Biased Scint | 3 | PR 92 358 | Oct53 | LAS | Day,R.B.+ |
| U | Sigma | 4.6 7 | 1.6 8 | | | TimeOfFlight | 10 | PR 92 835 | Nov53 | BRK | Angell,C.E.+ |
| U | Sigma | 4.0 4 | 2.1 7 | | | Accelerator | 62 | PR 94 141 | Apr54 | LAS | Henkel,R.L.+ |
| U | Sigma | 7.1 4 | 2.0 7 | | Absolute | Accelerator | 54 | PR 94 141 | Apr54 | LAS | Henkel,R.L.+ |
| U | Sigma | 1.0 -3 | 1.2 -1 | | Absolute | TimeOfFlight | 103 | EGELSTAFF 54L | Dec54 | HAR | Egelstaff. |
| U | Sigma | 1.0 -2 | 1.0 0 | | Absolute | Crystal Spec | 28 | AUCLAIR 55A | Jan55 | FR | Auclair. |
| U | Sigma | 1.4 9 | 1.4 9 | | | Count Telesc | 1 | PR 98 1369 | Jun55 | BNL | Coor,T.+ |
| U | Sigma | 1.5 7 | 1.5 7 | | Absolute | Accelerator | 1 | DOK 113 305 | 57 | CCP | Khaletskii. |
| U | Sigma | 2.7 2 | 3.1 4 | S | Absolute | TimeOfFlight | 223 | LYNN 58 | 58 | HAR | Lynn. |
| U | Sigma | 1.4 7 | 1.5 7 | | | Biased Scint | 22 | NP 6 260 | 58 | LVN | Vervier,J.F.+ |
| U | Sigma | 1.9 -3 | 7.9 -1 | | Absolute | TimeOfFlight | 71 | NC 11 262 | Jan59 | CIS | Carrelli,A.+ |
| U | Sigma | 1.6 7 | 1.2 8 | | Carbon | TimeOfFlight | 64 | NP 22 640 | Feb61 | HAR | Bowen,P.H.+ |
| U | Sigma | 2.8 7 | 2.8 7 | | Absolute | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| U | Sigma | 1.6 6 | 1.4 7 | | Absolute | TimeOfFlight | 74 | JPR 24 826 | Nov63 | SAC | Leroy,J.L. |
| U | Sigma | 3.0 4 | 6.5 5 | | Absolute | Accelerator | 102 | SETH 64K | Nov64 | DKE | Seth. |
| U | Sigma | 8.2 5 | 1.5 6 | S | Absolute | Accelerator | 35 | ANL-7110 15 | Dec65 | ANL | Smith. |
| U | Sigma | 5.0 -3 | 2.8 -2 | | Iron | TimeOfFlight* | 64 | AE- 222 | Mar66 | AE | Beshai,S.P. |
| U | Sigma | 2.7 10 | 2.7 10 | | | | 1 | PL B 27 328 | Aug68 | MHG | Jones. |
| U | Sigma | 5.7 9 | 5.7 9 | | Absolute | Transmission* | 1 | UN.MICH-3028 3-T | Nov69 | MHG | Parker,E.F.+ |
| U | Sigma | 3.3 6 | 5.1 6 | | Absolute | Transmission | 60 | ARS 66 27 | Feb70 | JNE | |
| U | Sigma | 5.0 5 | 4.4 6 | | Absolute | TimeOfFlight* | 3162 | 70HELSNK/II- 39 | Jun70 | KFK | Kopsch,D.+ |
| U | Sigma | 1.1 5 | 6.1 6 | | Absolute | CrystalScint* | 433 | CABE 71B | Feb71 | BRC | Cabe,J.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| U | Resonance Energy | 2.7 2 | 4.1 3 | S | Absolute | TimeOfFlight | 35 | LYNN 58 | 58 | HAR | Lynn. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $U^{230}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | CC-3699 6 | 46 | ANL | Bentley. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $U^{231}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | CC-3699 6 | 46 | ANL | Bentley. |
| $U^{231}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Fission Det | 1 | CC-3699 6 | 46 | ANL | Bentley. |
| | (n,γ) REACTION | | | | | | | | | | |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Fission Det | 1 | PR 89 320 | Jan53 | ANL | Elson,R.+ |
| $U^{232}$ | Sigma | 2.4 2 | 6.5 7 | S | $U^{235}$(n,f) | Accelerator | 15 | MISKEL 58C | Mar58 | LRL | Miskel. |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 2 | NSE 21 257 | Feb65 | ORL | Halperin,J.+ |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | C | $Co^{59}$ | Mass Spec | 1 | NSE 21 257 | Feb65 | ORL | Halperin,J.+ |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec * | 1 | 71CANTERB- 21 | Sep71 | HAR | Cabell,M.J.+ |
| $U^{232}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Mass Spec | 1 | NSE 21 257 | Feb65 | ORL | Halperin,J.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $U^{232}$ | Sigma | 4.5 5 | 4.5 5 | | Carbon | TimeOfFlight | 1 | PRL 16 525 | Mar66 | ANL | Smith. |
| $U^{232}$ | Legendre Fit | 4.7 5 | 7.0 5 | | Carbon | TimeOfFlight | 2 | PRL 16 525 | Mar66 | ANL | Smith. |
| | ELASTIC+INELASTIC | | | | | | | | | | |
| $U^{232}$ | Sigma | 1.3 5 | 1.3 5 | | Carbon | Diff Sig Int | 1 | PR 107 1077 | Aug57 | ANL | Langsdorf,A.+ |
| | FISSION CROSS SECT | | | | | | | | | | |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | CS-3471 2 | Apr46 | ANL | Seaborg. |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Fission Det | 1 | PR 89 320 | Jan53 | ANL | Elson,R.+ |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Fission Det | 1 | PR 89 320 | Jan53 | ANL | Elson,R.+ |
| $U^{232}$ | Sigma | 3.7 0 | 4.0 2 | | | TimeOfFlight | 3026 | NP 55 517 | Jul64 | HAR | James. |
| $U^{232}$ | Sigma | 5.0 0 | 1.9 3 | | | SparkChamber | 707 | NP A112 329 | May68 | LRL | Bowman. |
| $U^{232}$ | Sigma | 4.0 1 | 2.1 4 | | $Li^{6}$(n,a) | TimeOfFlight* | 2199 | LA-4420 3 | Jun70 | LAS | Farrell,J.A. |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | C | | * | 1 | 71CANTERB- 21 | Sep71 | HAR | Cabell,M.J.+ |
| | NU-BAR | | | | | | | | | | |
| $U^{232}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{233}$ | Coincidences | 1 | ANL-6600 124 | 62 | ANL | Jaffey. |
| $U^{232}$ | Prompt | 2.5 -2 | 2.5 -2 | N | $U^{233}$ | Coincidences | 1 | ANL-6600 124 | 62 | ANL | Jaffey. |
| | MISC FISS QUANT | | | | | | | | | | |
| $U^{232}$ | Alpha | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec * | 1 | 71CANTERB- 21 | Sep71 | HAR | Cabell,M.J.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec * | 1 | 71CANTERB- 21 | Sep71 | HAR | Cabell,M.J.+ |
| $U^{232}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Pile Oscilat | 2 | CEA/R-2486 | 64 | FAR | Vidal,R. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | TimeOfFlight | 1 | ANS 6 44 | Jun63 | MTR | Berreth. |
| $U^{232}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | TimeOfFlight | 1 | IDO-16917 14 | Nov63 | MTR | Berreth. |
| $U^{232}$ | Sigma | 3.6 2 | 3.6 2 | | | TimeOfFlight | 1 | PR 134B 985 | Jun64 | COL | Garg. |
| $U^{232}$ | Sigma | 1.1 -2 | 7.1 1 | | | TimeOfFlight | 590 | SIMPSON 65A | Jan65 | MTR | Simpson. |
| $U^{232}$ | Sigma | 9.2 -3 | 9.3 3 | S | | TimeOfFlight | 2778 | SIMPSON 65A | Jan65 | MTR | Simpson. |
| $U^{232}$ | Sigma | 1.0 -2 | 9.3 3 | | Absolute | TimeOfFlight | 932 | NSE 29 415 | Oct67 | MTR | Simpson. |
| | n-WIDTH | | | | | | | | | | |
| $U^{232}$ | Γ(n) | 6.0 0 | 7.5 1 | | | Interference | 8 | NP 55 517 | Jul64 | HAR | James. |
| $U^{232}$ | Γ(n,l=0) | 5.9 0 | 2.8 1 | | | Breit-Wigner | 5 | IDO-16917 14 | Nov63 | MTR | Berreth. |
| $U^{232}$ | Γ(n,l=0) | 5.9 0 | 2.8 1 | S | | TimeOfFlight | 5 | SIMPSON 65A | Jan65 | MTR | Simpson. |
| $U^{232}$ | Γ(n,l=0) | -6.0 -1 | 2.8 1 | | | MultiLvl Fit | 6 | IN-1015 | Dec66 | MTR | Simpson. |
| $U^{232}$ | Γ(n,l=0) | 6.0 0 | 7.4 7 | | | Shape Analys | 13 | NP A112 329 | May68 | LRL | Bowman. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **FISSION WIDTH** | | | | | | | | | | |
| $U^{232}$ | Γ(Fiss) | 5.9 0 | 2.8 1 | | | Breit-Wigner | 5 | IDO-16917 14 | Nov63 | MTR | Berreth. |
| $U^{232}$ | Γ(Fiss) | 6.0 0 | 7.5 1 | | | Interference | 8 | NP 55 517 | Jul64 | HAR | James. |
| $U^{232}$ | Γ(Fiss) | 5.9 0 | 2.8 1 | S | | TimeOfFlight | 5 | SIMPSON 65A | Jan65 | MTR | Simpson. |
| $U^{232}$ | Γ(Fiss) | -6.0 -1 | 2.8 1 | | | MultiLvl Fit | 6 | IN-1015 | Dec66 | MTR | Simpson. |
| $U^{232}$ | Γ(Fiss) | 6.0 6 | 7.4 7 | | | Shape Analys | 13 | NP A112 329 | May68 | LRL | Bowman. |
| | **OTHER RESON PARAM** | | | | | | | | | | |
| $U^{232}$ | Resonance Energy | 1.9 0 | 4.7 1 | S | | TimeOfFlight | 3 | IDO-16898 9 | Jul63 | MTR | Berreth. |
| $U^{232}$ | Resonance Energy | 4.3 1 | 1.9 2 | | | TimeOfFlight | 9 | IDO-16917 14 | Nov63 | MTR | Berreth. |
| $U^{232}$ | Resonance Energy | 1.1 2 | 2.6 2 | | | Interference | 9 | NP 55 517 | Jul64 | HAR | James. |
| | **AVERAGED PARAM** | | | | | | | | | | |
| $U^{232}$ | Strength Fn(l=0) | 4.0 2 | 4.0 2 | | | Shape Analys | 1 | NP 55 517 | Jul64 | HAR | James. |
| $U^{232}$ | Lvl Spacing(l=0) | 4.0 2 | 4.0 2 | | | Shape Analys | 1 | NP 55 517 | Jul64 | HAR | James. |
| | **(n,γ) REACTION** | | | | | | | | | | |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | CP-3651 | Oct46 | ANL | Zinn. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | ANL-4515 15 | Oct50 | ANL | Inghram. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Mass Spec | 1 | ANL-4515 15 | Oct50 | ANL | Inghram. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 1 | 55GENEVA/ 4-230 | Aug55 | CCP | Kukavadse.+ |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Mass Spec | 1 | 55GENEVA/ 4-230 | Aug55 | CCP | Kukavadse.+ |
| $U^{233}$ | Sigma | 3.0 4 | 9.0 5 | | | | 4 | AE 1 21 | 56 | CCP | Spivak. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 2 | ORNL-3176 1 | Oct61 | ORL | Halperin. |
| $U^{233}$ | Sigma | 3.0 4 | 1.0 6 | | | | 9 | NSE 12 169 | 62 | LAS | Hopkins,J.C.+ |
| $U^{233}$ | Sigma | 3.0 4 | 1.0 6 | N | | | 9 | NSE 12 169 | 62 | LAS | Hopkins,J.C.+ |
| $U^{233}$ | Sigma | 4.0 -1 | 8.8 2 | S | | TimeOfFlight | 2823 | ORNL/TM-1751 | 67 | RPI | Weston,L.W.+ |
| $U^{233}$ | Sigma | 4.0 -1 | 2.0 3 | | σ(Total) | TimeOfFlight | 3423 | ORNL/TM-2140 | Apr68 | ORL | Weston. |
| $U^{233}$ | σ*Sqrt(E) | 1.7 -2 | 1.1 0 | | Another Reac | TimeOfFlight* | 50 | NSE 42 143 | Nov70 | ORL | Weston,L.W.+ |
| $U^{233}$ | Reson Integral | 5.4 -1 | 5.4 -1 | | $Co^{59}$ | Mass Spec | 1 | ORNL-3176 1 | Oct61 | ORL | Halperin. |
| $U^{233}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Absolute | | 1 | ANS 7 272 | Nov64 | KAP | Peiner,P.+ |
| $U^{233}$ | Reson Integral | 4.0 -1 | 7.5 0 | | | | 10 | AERE/M-1709 | Sep66 | HAR | Brooks,F.D.+ |
| $U^{233}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | WAPD/TM-613 | Jun67 | BET | |
| $U^{233}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | ORNL/TM-2140 | Apr68 | ORL | Weston. |
| | **ELASTIC SCATTERING** | | | | | | | | | | |
| $U^{233}$ | Sigma | 2.7 -1 | 3.3 0 | | Lead | Crystal Spec | 11 | PR 109 1645 | Mar58 | BNL | Oleksa. |
| $U^{233}$ | Sigma | 1.7 0 | 1.9 1 | | Copper | TimeOfFlight | 55 | NSE 13 18 | May62 | MTR | Moore. |
| $U^{233}$ | Sigma | 1.0 0 | 3.1 1 | | | Accelerator | 192 | SAUTER 68P | Jun68 | LRL | Sauter. |
| | **FISSION CROSS SECT** | | | | | | | | | | |
| $U^{233}$ | Sigma | 2.2 -2 | 4.6 -1 | | | Accelerator | 12 | LA- 190 | 44 | LAS | |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | CP-3651 | Oct46 | ANL | Zinn. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Fission Det | 2 | CP-3651 | Oct46 | ANL | Zinn. |
| $U^{233}$ | Sigma | 1.4 7 | 1.4 7 | | $U^{238}$(n,f) | Accelerator | 1 | LAMS- 938 | 50 | LAS | |
| $U^{233}$ | Sigma | 1.1 -2 | 4.9 1 | | σ(Thermal) | Crystal Spec | 113 | CRGP- 458 | 51 | CR | Tunnicliffe. |
| $U^{233}$ | Sigma | 2.5 -2 | 5.0 -2 | | Boron | Crystal Spec | 2 | CRGP- 458 | 51 | CR | Tunnicliffe. |
| $U^{233}$ | Sigma | 2.5 -2 | 5.0 -2 | N | Boron | Crystal Spec | 2 | CRGP- 458 | 51 | CR | Tunnicliffe. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Fission Det | 3 | NRDC- 51 | Oct54 | HAR | Raffle. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 1 | ANL-5411 10 | 55 | ANL | Gilbreath. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Fission Det | 2 | CR 240 2306 | Jun55 | SAC | Auclair. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Fission Det | 2 | CR 240 2306 | Jun55 | SAC | Auclair. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Na^{23}$ | Nuc Emulsion* | 1 | JNE 1 286 | Jun55 | KJL | Popovic,D.+ |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Nuc Emulsion* | 1 | JNE 1 286 | Jun55 | KJL | Popovic,D.+ |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Na^{23}$ | Nuc Emulsion* | 1 | JNE 1 286 | Jun55 | KJL | Popovic,D.+ |
| $U^{233}$ | Sigma | 9.1 -3 | 2.8 1 | | σ(Thermal) | | 197 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Au(n,γ) | Fission Det | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| $U^{233}$ | Sigma | 1.2 -2 | 7.4 2 | S | σ(Thermal) | TimeOfFlight | 224 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $U^{233}$ | Sigma | 2.0 -2 | 1.0 0 | | σ(Thermal) | Crystal Spec | 10 | 55GENEVA/ 4-235 | Aug55 | SAC | Auclair. |
| $U^{233}$ | Sigma | 4.1 -3 | 3.5 -2 | | σ(Thermal) | TimeOfFlight | 24 | 55GENEVA/ 4-235 | Aug55 | SAC | Auclair. |
| $U^{233}$ | Sigma | 1.4 7 | 1.4 7 | | $U^{238}$(n,f) | Back-to-Back | 1 | AERE/NP/R-1996 | Jun56 | HAR | Uttley. |
| $U^{233}$ | Sigma | 3.2 -2 | 1.0 0 | | | Crystal Spec | 41 | BAP 1 247 | Jun56 | MTR | Evans,J.E.+ |
| $U^{233}$ | Sigma | 7.0 5 | 3.4 6 | | σ(Thermal) | Accelerator | 34 | JPR 17 565 | Jul56 | SAC | Netter. |
| $U^{233}$ | Sigma | 1.3 4 | 3.0 6 | | $U^{235}$(n,f) | Ion Chamber | 61 | PR 104 1654 | Dec56 | ORL | Lamphere. |
| $U^{233}$ | Sigma | 3.0 4 | 5.0 6 | | Absolute | Shell Trans | 5 | AE 2 10 | 57 | CCP | Dorofeev,G.A.+ |
| $U^{233}$ | Sigma | 3.0 6 | 1.0 7 | | H(n,n) | Ion Chamber | 15 | BAP 2 196 | 57 | LAS | Smith,R.K.+ |
| $U^{233}$ | Sigma | 3.0 4 | 3.0 6 | | σ(E≠E(th)) | Ion Chamber | 25 | PPS 70 573 | 57 | HAR | Allen. |
| $U^{233}$ | Sigma | 5.5 5 | 1.8 6 | | H(n,n) | Ion Chamber | 2 | PPS 70 573 | 57 | HAR | Allen. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Ratio /$U^{235}$ | Fission Det. | 1 | TID- 7547 112 | 57 | CR | Bigham. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Ratio | Fission Det | 1 | TID- 7547 112 | 57 | CR | Bigham. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Au(n,γ) | Back-to-Back | 1 | TID- 7547 113 | 57 | CR | Tunnicliffe. |
| $U^{233}$ | Sigma | 1.0 0 | 1.2 3 | N | σ(Thermal) | TimeOfFlight | 621 | BAP 2 70 | Feb57 | MTR | Miller. |
| $U^{233}$ | Sigma | 3.0 4 | 6.9 6 | | $U^{235}$(n,f) | Ion Chamber | 50 | LA-2114 | May57 | LAS | Henkel. |
| $U^{233}$ | Sigma | 1.0 6 | 1.0 6 | | Absolute | Proportion C* | 1 | JNE 4 133 | Jun57 | HAR | Rose,H.+ |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Back-to-Back | 1 | UK/C/6-125 | Sep57 | CR | |
| $U^{233}$ | Sigma | 9.1 -3 | 2.8 1 | | σ(Thermal) | TimeOfFlight | 197 | JNE 6 114 | Dec57 | HAR | Sanders,J.E.+ |
| $U^{233}$ | Sigma | 1.8 0 | 3.6 0 | | Ratio | Accelerator | 3 | JNE 6 114 | Dec57 | HAR | Sanders,J.E.+ |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Back-to-Back | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Back-to-Back | 4 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 1 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Back-to-Back | 1 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $U^{233}$ | Sigma | 3.0 6 | 8.3 6 | | | Ion Chamber | 13 | 58GENEVA/16-136 | Sep58 | CCP | Pankratov. |
| $U^{233}$ | Sigma | 3.4 3 | 3.4 3 | | | Accelerator | 1 | AE 6 453 | 59 | CCP | Gorlov. |
| $U^{233}$ | Sigma | 9.0 3 | 7.7 5 | | σ(E≠E(th)) | Accelerator | 23 | AE 6 453 | 59 | CCP | Gorlov. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Fission Det | 2 | AERE/R-2998 | Jul59 | HAR | |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | TimeOfFlight | 1 | AERE/R-2998 | Jul59 | HAR | |
| $U^{233}$ | Sigma | 1.9 -2 | 9.6 2 | | | TimeOfFlight | 953 | PR 118 714 | May60 | MTR | Moore,M.S.+ |
| $U^{233}$ | Sigma | 2.8 5 | 2.6 6 | | $U^{238}$(n,f) | Ion Chamber | 42 | AE 13 366 | Oct62 | CCP | Smirenkin. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | R | | | 1 | SEABORG 63 | 63 | USA | Seaborg. |
| $U^{233}$ | Sigma | 9.0 6 | 2.2 7 | | | TimeOfFlight | 10 | AE 14 177 | Feb63 | CCP | Pankratov. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Fission Det | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Activation | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 1 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 1 | AE 17 294 | Oct64 | CCP | Batyrbekov,G.A.+ |
| $U^{233}$ | Sigma | 4.0 4 | 5.0 5 | | $U^{235}$(n,f) | Back-to-Back | 6 | 65SALZB/I- 219 | Mar65 | ALD | White,P.H.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION CROSS SECT (CONTINUED) | | | | | | | | | | |
| U233 | Sigma | 1.1 2 | 6.5 6 | | U235(n,f) | TimeOfFlight | 72 | PR 142 778 | Feb66 | LRL | Albert. |
| U233 | Sigma | 3.2 1 | 7.8 6 | | Ratio | TimeOfFlight | 636 | PR 142 778 | Feb66 | LRL | Albert. |
| U233 | Sigma | 1.5 2 | 9.8 5 | | | TimeOfFlight | 1907 | 66WASH- 895 | Mar66 | LAS | Bergen,D.W.+ |
| U233 | Sigma | 3.5 -2 | 1.1 1 | | Norm To Abs | TimeOfFlight | 663 | BROOKS 66H | Aug66 | HAR | Brooks. |
| U233 | Sigma | 4.0 -1 | 8.8 2 | S | | TimeOfFlight | 2998 | ORNL/TM-1751 | 67 | RPI | Weston,L.W.+ |
| U233 | Sigma | 2.0 1 | 1.5 2 | | U235(n,f) | TimeOfFlight | 1140 | LA-3676 MS | May67 | LAS | |
| U233 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | * | 6 | AEEW/R- 526 | Jun67 | WIN | Stevenson,J.M.+ |
| U233 | Sigma | 1.0 6 | 1.4 7 | | Ratio | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| U233 | Sigma | 1.0 6 | 1.4 7 | N | U235(n,f) | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| U233 | Sigma | 4.0 -1 | 2.0 3 | | σ(Total) | TimeOfFlight | 3423 | ORNL/TM-2140 | Apr68 | ORL | Weston. |
| U233 | Sigma | 2.5 -2 | 2.5 -2 | | Co59 | Fission Det * | 1 | JNE 22 477 | Aug68 | ALD | Keth,R.L.G.+ |
| U233 | Sigma | 2.4 2 | 2.4 4 | | Ratio /U235 | Slowing-Down* | 26 | NSE 39 361 | Mar70 | ANL | Lehto,W.K. |
| U233 | Sigma | 3.0 1 | 3.0 3 | | σ(E≠E(th)) | TimeOfFlight* | 3792 | JNE 24 111 | Jun70 | GEL | Cao,M.G.+ |
| U233 | Sigma | 1.8 -2 | 3.0 1 | | σ(Thermal) | TimeOfFlight* | 1594 | JNE 24 111 | Jun70 | GEL | Cao,M.G.+ |
| U233 | Sigma | 1.0 1 | 2.8 6 | | Li6(n,a) | TimeOfFlight* | 2911 | LA-4420 21 | Jun70 | LAS | Bergen,D.W. |
| U233 | Sigma | 5.2 3 | 1.0 6 | | Ratio | TimeOfFlight* | 49 | NSE 40 375 | Jun70 | KFK | Pfletschinger,E.+ |
| U233 | σ*Sqrt(E) | 1.7 -2 | 2.9 -2 | | Au(n,γ) | TimeOfFlight | 6 | AERE/R-2998 | Jul59 | HAR | |
| U233 | σ*Sqrt(E) | 1.7 0 | 6.3 1 | | | TimeOfFlight | 2038 | JPR 25 877 | Jan64 | SAC | Nifenecker. |
| U233 | σ*Sqrt(E) | 1.7 -2 | 1.1 0 | | σ(Thermal) | TimeOfFlight* | 50 | NSE 42 143 | Nov70 | ORL | Weston,L.W.+ |
| U233 | Reson Integral | 4.5 -1 | 4.5 -1 | | Au(n,γ) | Fission Det | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| U233 | Reson Integral | 4.5 -1 | 4.5 -1 | | Indium | Activation | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| U233 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Activation | 1 | WAPD/T-1748 | Oct64 | BET | Hardy. |
| U233 | Reson Integral | 5.0 -1 | 5.0 -1 | | Absolute | | 1 | ANS 7 272 | Nov64 | KAP | Feiner,F.+ |
| U233 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | | 1 | NST 2 532 | Nov65 | JAE | Yasuno,T. |
| U233 | Reson Integral | 4.0 -1 | 7.5 0 | | | | 10 | AERE/M-1709 | Sep66 | HAR | Brooks,F.D.+ |
| U233 | Reson Integral | 5.0 -1 | 5.0 -1 | | Co59 | Activation | 1 | WAPD/TM-613 | Jun67 | BET | |
| U233 | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | ORNL/TM-2140 | Apr68 | ORL | Weston. |
| U233 | Reson Integral | 5.3 -1 | 3.0 3 | | σ(Thermal) | TimeOfFlight* | 48 | JNE 24 111 | Jun70 | GEL | Cao,M.G.+ |
| | FISSION FRAGMENTS | | | | | | | | | | |
| U233 | Yield | 2.5 -2 | 2.5 -2 | | | | 12 | AE 3 346 | 57 | CCP | Ivanov,R.N.+ |
| U233 | Yield | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 2 | AE 3 346 | 57 | CCP | Ivanov,R.N.+ |
| U233 | Yield | 2.5 -2 | 2.5 -2 | | | Activation | 1 | AE 2 275 | Mar57 | CCP | Anikina,M.P.+ |
| U233 | Yield | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 10 | AE 3 546 | Dec57 | CCP | Ivanov,R.N.+ |
| U233 | Yield | 2.5 -2 | 2.5 -2 | | | | 12 | JIN 27 273 | Feb65 | NRD | Bunney,L.R.+ |
| | NU-BAR | | | | | | | | | | |
| U233 | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | | | 1 | CP-3651 | Oct46 | ANL | Zinn. |
| U233 | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | Ratio | Ion Chamber | 1 | 55MOSKVA-123 | Jul55 | CCP | Kalashnikova. |
| U233 | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | U235(n,f) | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| U233 | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | Ratio | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| U233 | Prompt+Delayed | 2.5 -2 | 2.5 -2 | N | U235(n,f) | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | | Coincidences | 1 | 55MOSKVA-131 | Jul55 | CCP | Kalashnikov. |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | U235(n,f) | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | U235(n,f) | Coincidences | 1 | JNE 2 247 | 56 | HAR | Sanders. |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | S | U235(n,f) | Coincidences | 1 | JNE 2 247 | 56 | HAR | Sanders. |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | S | Ratio | Coincidences | 1 | JNE 2 247 | 56 | HAR | Sanders. |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 1 | JNE 2 247 | 56 | MTR | Sanders. |
| U233 | Prompt | 8.0 4 | 8.0 4 | | U235(n,f) | ModeratrTank | 1 | PR 101 1012 | Feb56 | LAS | Diven. |
| U233 | Prompt | 8.0 4 | 8.0 4 | N | U235(n,f) | ModeratrTank | 1 | PR 101 1012 | Feb56 | LAS | Diven. |
| U233 | Prompt | 4.0 6 | 1.5 7 | | σ(Thermal) | Coincidences | 2 | AE 4 188 | 58 | CCP | Smirenkin. |
| U233 | Prompt | 4.0 6 | 1.5 7 | N | σ(Thermal) | Coincidences | 2 | AE 4 188 | 58 | CCP | Smirenkin. |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 2 | 58GENEVA/16-121 | Sep58 | HAR | Colvin. |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | U235(n,f) | Hornyak Butn | 1 | NSE 5 49 | 59 | ORL | Desaussure. |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Hornyak Butn | 1 | NSE 5 49 | 59 | ORL | Desaussure. |
| U233 | Prompt | 2.5 -2 | 3.9 6 | | Cf252(Nu) | ModeratrTank | 6 | NP 48 433 | 63 | LAS | Hopkins,J.C.+ |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 1 | 65SALZB/II- 25 | Mar65 | HAR | Colvin,D.W.+ |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | | CrystalScint | 1 | NP 66 149 | Apr65 | ALD | Mather,D.S.+ |
| U233 | Prompt | 9.6 5 | 4.0 6 | | Cf252(Nu) | Liquid Scint | 4 | NP 66 149 | Apr65 | ALD | Mather,D.S.+ |
| U233 | Prompt | 2.5 -2 | 2.5 -2 | | Cf252(Nu) | Coincidences* | 1 | AAEC/E- 172 | Mar67 | AUA | Boldeman,J.W.+ |
| U233 | Delayed | 1.0 6 | 1.0 6 | | | Proportion C* | 1 | JNE 4 133 | Jun57 | HAR | Rose,H.+ |
| U233 | Delayed | 1.5 7 | 1.5 7 | | Ratio | Proportion C | 4 | AE 15 321 | Oct63 | FEI | Maksyutenko,B.P. |
| U233 | Delayed | 2.3 6 | 7.3 6 | | Ratio | | 12 | INDSWG-101 158 | 65 | FEI | Maksyutenko,B.P. |
| U233 | Delayed | 1.5 7 | 1.5 7 | | | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| U233 | Delayed | 3.1 6 | 3.1 6 | | σ(E≠E(th)) | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| U233 | Delayed | 2.5 -2 | 2.5 -2 | | Ratio | * | 1 | NSE 44 173 | May71 | BNL | Conant,J.F.+ |
| U233 | Unspecified | 1.0 6 | 1.0 6 | | Ratio | Coincidences | 1 | AE 2 18 | 57 | CCP | Kalashnikova,V.I.+ |
| U233 | Unspecified | 1.5 7 | 1.5 7 | | | Ion Chamber | 1 | AE 5 71 | Jul58 | CCP | Protopopov,A.N.+ |
| U233 | Unspecified | 2.5 -2 | 2.5 -2 | | Cf252(Nu) | CrystalScint | 1 | UCRL-50001-66-1A | May66 | LRL | Fultz. |
| U233 | Unspecified | 8.0 4 | 7.0 5 | | σ(E≠E(th)) | Fission Det | 7 | 66PARIS/II- 75 | Oct66 | OBN | Kuznetsov. |
| U233 | Unspecified | 8.0 4 | 7.0 5 | | | Ion Chamber | 7 | AE 22 401 | May67 | OBN | Kuznetsov. |
| | MISC FISS QUANT | | | | | | | | | | |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | CP-3651 | Oct46 | ANL | Zinn. |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Ratio | Long Counter | 1 | CP-3651 | Oct46 | ANL | Zinn. |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | CRP-378 | Apr48 | CR | |
| U233 | Neutron/Capture | 8.8 -3 | 3.0 0 | | Ratio | TimeOfFlight | 21 | 55MOSKVA- 87 | Jul55 | CCP | Nikitin. |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Boron | ReactivityCo | 1 | 55GENEVA/ 4-301 | Aug55 | CCP | Alichanow.+ |
| U233 | Neutron/Capture | 3.0 4 | 9.0 5 | | Absolute | Shell Trans | 5 | AE 1 21 | 56 | CCP | Spivak. |
| U233 | Neutron/Capture | 1.0 -2 | 9.9 -2 | | σ(Thermal) | Hornyak Butn | 14 | JNE 3 177 | 56 | BNL | Palevsky. |
| U233 | Neutron/Capture | 2.6 -2 | 2.6 -2 | | U235(n,f) | | 2 | NSE 1 20 | 56 | ORL | Thomas. |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | Pile Oscilat | 1 | PNE 1 34 | 56 | HAR | |
| U233 | Neutron/Capture | 2.2 -2 | 1.1 1 | | σ(E≠E(th)) | Crystal Spec | 154 | BAP 1 327 | Nov56 | MTR | Magleby. |
| U233 | Neutron/Capture | 9.2 -2 | 7.3 0 | S | | Crystal Spec | 77 | BAP 1 327 | Nov56 | MTR | Magleby. |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | | 1 | AERE/R-2140 | 57 | HAR | |
| U233 | Neutron/Capture | 4.8 -2 | 7.9 -1 | | | | 15 | JNE 5 186 | 57 | HAR | Sanders,J.E.+ |
| U233 | Neutron/Capture | 1.1 0 | 2.2 0 | | | Crystal Spec | 12 | JNE 5 186 | 57 | HAR | Sanders,J.E.+ |
| U233 | Neutron/Capture | 2.6 -2 | 2.6 -2 | | U235(n,f) | | 1 | NSE 2 253 | 57 | KAP | Francis. |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | NSE 5 225 | 59 | NBS | Muelhause. |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | ManganesBath | 1 | NSE 8 210 | 60 | ORL | |
| U233 | Neutron/Capture | 1.0 0 | 8.2 2 | | | TimeOfFlight | 155 | NSE 9 105 | Feb61 | RPI | Yeater,M.L.+ |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | U235(n,f) | ReactivityCo | 1 | NSE 12 359 | 62 | ORL | Gwin. |
| U233 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | | 1 | NSE 12 364 | 62 | ORL | Gwin. |
| U233 | Neutron/Capture | 2.5 -2 | 5.7 -2 | | | Crystal Spec | 2 | BAP 10 1099 | Oct65 | MTR | Smith,J.R.+ |
| U233 | Neutron/Capture | 2.5 -2 | 5.7 -2 | | | Crystal Spec | 2 | IDO-17140 30 | Mar66 | MTR | Pluharty,R.G.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **MISC FISS QUANT (CONTINUED)** | | | | | | | | | | |
| $U^{233}$ | Neutron/Capture | 3.5 -2 | 1.1 1 | | σ(E≠E(th)) | TimeOfFlight | 668 | BROOKS 66H | Aug66 | HAR | Brooks. |
| $U^{233}$ | Neutron/Capture | 1.7 -2 | 1.1 0 | | Arb Units | TimeOfFlight* | 50 | NSE 42 143 | Nov70 | ORL | Weston,L.W.+ |
| $U^{233}$ | Alpha | 2.5 -2 | 2.5 -2 | | | | 1 | CP-3651 | Oct46 | ANL | Zinn. |
| $U^{233}$ | Alpha | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | ANL-4515 15 | Oct50 | ANL | Inghram. |
| $U^{233}$ | Alpha | 2.5 -2 | 2.5 -2 | | | Burn-up | 1 | 55GENEVA/ 4-230 | Aug55 | CCP | Kukavadse.+ |
| $U^{233}$ | Alpha | 3.0 4 | 9.0 5 | | | Shell Trans | 5 | AE 1 21 | 56 | CCP | Spivak. |
| $U^{233}$ | Alpha | 1.0 -2 | 9.9 -2 | | | Hornyak Butn | 14 | JNE 3 177 | 56 | BNL | Palevsky. |
| $U^{233}$ | Alpha | 9.2 -2 | 7.3 0 | S | | Crystal Spec | 77 | BAP 1 327 | Nov56 | MTR | Magleby. |
| $U^{233}$ | Alpha | 1.1 0 | 2.2 0 | | | Crystal Spec | 12 | JNE 5 186 | 57 | HAR | Sanders,J.E.+ |
| $U^{233}$ | Alpha | 1.0 0 | 8.2 2 | | | TimeOfFlight | 155 | NSE 9 105 | Feb61 | RPI | Yeater,M.L.+ |
| $U^{233}$ | Alpha | 3.0 4 | 1.0 6 | | | Scint Tank | 9 | NSE 12 169 | 62 | LAS | Hopkins,J.C.+ |
| $U^{233}$ | Alpha | 2.5 -2 | 2.5 -2 | | | Burn-up | 2 | AECL-2148 | 64 | CR | Okazaki. |
| $U^{233}$ | Alpha | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | AECL-2148 | 64 | CR | Okazaki. |
| $U^{233}$ | Alpha | 5.0 -1 | 5.0 -1 | | Absolute | | 1 | ANS 7 272 | Nov64 | KAP | Feiner,F.+ |
| $U^{233}$ | Alpha | 3.5 -2 | 1.1 1 | | Another Reac | TimeOfFlight | 659 | BROOKS 66H | Aug66 | HAR | Brooks. |
| $U^{233}$ | Alpha | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | 66PARIS/II- 3 | Oct66 | HAR | Cabell,M.J. |
| $U^{233}$ | Alpha + 1 | 1.1 -3 | 1.1 -3 | | Absolute | Fission Det | 1 | JNE 6 285 | Mar58 | HAR | Cocking,S.J. |
| | **ABSORPTION X-SECT** | | | | | | | | | | |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | CP-3651 | Oct46 | ANL | Zinn. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Burn-up | 2 | 55GENEVA/ 4-230 | Aug55 | CCP | Kukavadse.+ |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Burn-up | 1 | 55GENEVA/ 4-230 | Aug55 | CCP | Kukavadse.+ |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| $U^{233}$ | Sigma | 4.4 3 | 1.2 4 | | $U^{238}(n,f)$ | Shell Trans | 4 | ORNL-2022 | Feb56 | ORL | Macklin. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | JNE 4 409 | 57 | HAR | Green. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE 8 112 | 60 | ORL | Block. |
| | **TOTAL CROSS-SECT** | | | | | | | | | | |
| $U^{233}$ | Sigma | 3.4 -2 | 9.4 -1 | | | TimeOfFlight | 20 | ANL-4983 4 | Nov52 | ANL | Bollinger. |
| $U^{233}$ | Sigma | 5.7 -3 | 1.1 -1 | | Absolute | TimeOfFlight | 35 | MUETHER 55P | Jun55 | BNL | Muether. |
| $U^{233}$ | Sigma | 1.9 0 | 3.2 1 | | Absolute | Crystal Spec | 244 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | TimeOfFlight | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| $U^{233}$ | Sigma | 1.0 -2 | 1.0 2 | | Absolute | TimeOfFlight | 132 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| $U^{233}$ | Sigma | 3.7 1 | 6.9 1 | | Absolute | TimeOfFlight | 99 | AERE/NRDC- 81 | Nov55 | HAR | Lynn,J.E. |
| $U^{233}$ | Sigma | 3.0 -1 | 1.1 1 | | | Crystal Spec | 255 | PR 100 1249 | Nov55 | BNL | Sailor,V.L. |
| $U^{233}$ | Sigma | 2.5 -2 | 1.0 -1 | | | TimeOfFlight | 2 | JNE 3 28 | 56 | HAR | Pattenden. |
| $U^{233}$ | Sigma | 1.6 -3 | 1.1 1 | | Absolute | TimeOfFlight | 264 | JNE 3 28 | 56 | HAR | Pattenden. |
| $U^{233}$ | Sigma | 9.0 1 | 1.6 4 | | Absolute | TimeOfFlight | 222 | YEATER 58B | Feb58 | RPI | Yeater. |
| $U^{233}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE 7 187 | 60 | MTR | Simpson. |
| $U^{233}$ | Sigma | 1.8 -2 | 9.6 -2 | | Absolute | TimeOfFlight | 40 | NSE 8 112 | 60 | ORL | Block. |
| $U^{233}$ | Sigma | 2.0 -2 | 2.2 2 | | | TimeOfFlight | 1071 | PR 118 714 | May60 | MTR | Moore,M.S.+ |
| $U^{233}$ | Sigma | 8.2 -4 | 8.2 -2 | | | Crystal Spec | 33 | PR 118 799 | May60 | COL | Safford,G.J.+ |
| $U^{233}$ | Sigma | 3.4 3 | 1.6 6 | | Absolute | Accelerator | 45 | JNE 16 201 | 62 | ANL | Stupegia,D.C. |
| $U^{233}$ | Sigma | 7.2 -2 | 8.8 3 | | | TimeOfFlight | 1526 | NSE 17 404 | Nov63 | ORL | Pattenden,N.J.+ |
| $U^{233}$ | Sigma | 3.5 -2 | 1.1 1 | | Absolute | TimeOfFlight | 663 | BROOKS 66H | Aug66 | HAR | Brooks. |
| $U^{233}$ | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 244 | FOSTER 67E | May67 | BNW | Foster. |
| $U^{233}$ | Sigma | 6.8 -1 | 7.5 2 | | Absolute | TimeOfFlight* | 11454 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| | **γ-WIDTH** | | | | | | | | | | |
| $U^{233}$ | Γ(γ) | 1.4 0 | 2.2 0 | | | | 3 | 55MOSKVA- 87 | Jul55 | CCP | Nikitin. |
| $U^{233}$ | Γ(γ) | 1.0 -1 | 5.0 0 | | | MultiLvl Fit | 7 | BAP 1 327 | Nov56 | MTR | Magleby. |
| $U^{233}$ | Γ(γ) | 1.5 -1 | 1.0 1 | | | MultiLvl Fit | 20 | PR 118 718 | 60 | MTR | Moore. |
| | **n-WIDTH** | | | | | | | | | | |
| $U^{233}$ | Γ(n) | 1.8 0 | 3.3 1 | | | Gas Scint | 39 | 65SALZB/I- 245 | Mar65 | SAC | Nifenecker. |
| $U^{233}$ | 2gΓ(n) | 3.6 0 | 3.6 0 | | | Shape Analys | 1 | PR 100 1249 | Nov55 | BNL | Sailor,V.L. |
| $U^{233}$ | 2gΓ(n) | 6.8 0 | 5.8 1 | | | AreaAnalysis | 26 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| $U^{233}$ | 2gΓ(n) | 1.5 -1 | 1.5 -1 | | | MultiLvl Fit | 1 | PR 118 718 | 60 | MTR | Moore. |
| $U^{233}$ | 2gΓ(n,l=0) | 3.2 0 | 1.9 1 | | | AreaAnalysis | 16 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| $U^{233}$ | 2gΓ(n,l=0) | 1.8 0 | 1.0 1 | | | Shape Analys | 4 | PR 100 1249 | Nov55 | BNL | Sailor,V.L. |
| $U^{233}$ | 2gΓ(n,l=0) | 1.0 -1 | 5.0 0 | | | MultiLvl Fit | 7 | BAP 1 327 | Nov56 | MTR | Magleby. |
| $U^{233}$ | 2gΓ(n,l=0) | 6.8 0 | 5.8 1 | | | AreaAnalysis | 26 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| $U^{233}$ | 2gΓ(n,l=0) | 1.9 -1 | 1.0 1 | | | MultiLvl Fit | 19 | PR 118 718 | 60 | MTR | Moore. |
| $U^{233}$ | 2gΓ(n,l=0) | 1.6 0 | 2.4 1 | | | MultiLvl Fit | 4 | 60KINGSTON-822 | Aug60 | ORL | Pattenden. |
| $U^{233}$ | 2gΓ(n,l=0) | 1.9 -1 | 2.5 1 | | | MultiLvl Fit | 24 | 60KINGSTON-882 | Aug60 | ORL | Pattenden. |
| $U^{233}$ | 2gΓ(n,l=0) | 1.8 0 | 3.8 1 | S | | AreaAnalysis | 40 | JPR 25 877 | Jan64 | SAC | Nifenecker. |
| $U^{233}$ | 2gΓ(n,l=0) | 1.8 0 | 3.3 1 | | | Gas Scint | 39 | 65SALZB/I- 245 | Mar65 | SAC | Nifenecker. |
| $U^{233}$ | 2gΓ(n,l=0) | 2.1 1 | 6.3 1 | | | AreaAnalysis | 122 | PR 166 1178 | Feb68 | LAS | Bergen. |
| $U^{233}$ | 2gΓ(n,l=0) | 2.8 0 | 5.2 1 | | | Shape Analys* | 72 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| | **FISSION WIDTH** | | | | | | | | | | |
| $U^{233}$ | Γ(Fiss) | 1.4 0 | 2.2 0 | | | | 3 | 55MOSKVA- 87 | Jul55 | CCP | Nikitin. |
| $U^{233}$ | Γ(Fiss) | 1.8 0 | 1.0 1 | | | Shape Analys | 5 | PR 100 1249 | Nov55 | BNL | Sailor,V.L. |
| $U^{233}$ | Γ(Fiss) | 1.0 -1 | 5.0 0 | | | MultiLvl Fit | 7 | BAP 1 327 | Nov56 | MTR | Magleby. |
| $U^{233}$ | Γ(Fiss) | 1.8 0 | 3.6 0 | | Absolute | Accelerator | 3 | JNE 6 114 | Dec57 | HAR | Sanders,J.E.+ |
| $U^{233}$ | Γ(Fiss) | 6.8 0 | 1.9 1 | | | AreaAnalysis | 5 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| $U^{233}$ | Γ(Fiss) | 1.5 -1 | 1.0 1 | | | MultiLvl Fit | 20 | PR 118 718 | 60 | MTR | Moore. |
| $U^{233}$ | Γ(Fiss) | 1.6 0 | 2.4 1 | | | MultiLvl Fit | 4 | 60KINGSTON-822 | Aug60 | ORL | Pattenden. |
| $U^{233}$ | Γ(Fiss) | 1.9 -1 | 2.5 1 | | | MultiLvl Fit | 24 | 60KINGSTON-882 | Aug60 | ORL | Pattenden. |
| $U^{233}$ | Γ(Fiss) | 1.8 0 | 3.8 1 | S | | AreaAnalysis | 40 | JPR 25 877 | Jan64 | SAC | Nifenecker. |
| $U^{233}$ | Γ(Fiss) | 1.8 0 | 3.3 1 | | | Gas Scint | 39 | 65SALZB/I- 245 | Mar65 | SAC | Nifenecker. |
| $U^{233}$ | Γ(Fiss) | 2.1 1 | 6.3 1 | | | | 68 | PR 166 1178 | Feb68 | LAS | Bergen. |
| $U^{233}$ | Γ(Fiss) | 2.1 1 | 6.3 1 | | | AreaAnalysis | 215 | PR 166 1178 | Feb68 | LAS | Bergen. |
| $U^{233}$ | Γ(Fiss)σ(0) | 3.6 0 | 1.0 1 | | | Shape Analys | 3 | PR 100 1249 | Nov55 | BNL | Sailor,V.L. |
| $U^{233}$ | Γ(Fiss)σ(0) | 1.5 0 | 1.9 1 | | | AreaAnalysis | 11 | AE 5 69 | Jul58 | CCP | Vladimirskii,V.V.+ |
| | **TOTAL WIDTH** | | | | | | | | | | |
| $U^{233}$ | Γ | 3.2 0 | 1.9 1 | | | AreaAnalysis | 16 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| $U^{233}$ | Γ | 1.4 0 | 2.2 0 | | | | 3 | 55MOSKVA- 87 | Jul55 | CCP | Nikitin. |
| $U^{233}$ | Γ | 3.6 0 | 3.6 0 | | | AreaAnalysis | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| $U^{233}$ | Γ | 1.8 0 | 1.8 0 | | | Crystal Spec | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| $U^{233}$ | Γ | 5.0 -3 | 5.0 -3 | | | Shape Analys | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| $U^{233}$ | Γ | 1.8 0 | 1.0 1 | | | Shape Analys | 5 | PR 100 1249 | Nov55 | BNL | Sailor,V.L. |
| $U^{233}$ | Γ | 6.8 0 | 3.7 1 | | | AreaAnalysis | 9 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH (CONTINUED) | | | | | | | | | | | | |
| U233 | Γ | 6.0 | 0 | 3.8 | 1 | S | | AreaAnalysis | 36 | JPR 25 877 | Jan64 | SAC | Nifenecker. |
| U233 | Γ | 1.8 | 0 | 3.3 | 1 | | | Gas Scint | 39 | 65SALZB/I- 245 | Mar65 | SAC | Nifenecker. |
| U233 | Γ | 2.8 | 0 | 5.2 | 1 | | | Shape Analys* | 72 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| U233 | Γσ(0) | 1.8 | 0 | 4.8 | 0 | S | | AreaAnalysis | 4 | JPR 25 877 | Jan64 | SAC | Nifenecker. |
| U233 | Γ²σ(0) | 1.4 | 0 | 1.2 | 1 | | | | 8 | 55MOSKVA- 87 | Jul55 | CCP | Nikitin. |
| | ADLER-ADLER PARAM | | | | | | | | | | | | |
| U233 | Bu | -2.8 | 0 | 6.5 | 1 | | | MultiLvl Fit* | 72 | JNE 24 111 | Jun70 | GEL | Cao,M.G.+ |
| U233 | Bu | 1.6 | 0 | 9.4 | 1 | | | MultiLvl Fit* | 85 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| U233 | Nu | -2.8 | 0 | 6.5 | 1 | | | MultiLvl Fit* | 72 | JNE 24 111 | Jun70 | GEL | Cao,M.G.+ |
| U233 | Nu | 1.6 | 0 | 9.4 | 1 | | | MultiLvl Fit* | 85 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| U233 | G(Fission) | -2.8 | 0 | 6.5 | 1 | | | MultiLvl Fit* | 72 | JNE 24 111 | Jun70 | GEL | Cao,M.G.+ |
| U233 | H(Fission) | -2.8 | 0 | 6.5 | 1 | | | MultiLvl Fit* | 72 | JNE 24 111 | Jun70 | GEL | Cao,M.G.+ |
| U233 | G(Total) | 1.6 | 0 | 9.4 | 1 | | | MultiLvl Fit* | 85 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| U233 | H(Total) | 1.6 | 0 | 9.4 | 1 | | | MultiLvl Fit* | 85 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| U233 | Resonance Energy | 6.4 | 0 | 6.4 | 0 | | | AreaAnalysis | 1 | PILCHER 55A | Jan55 | BNL | Pilcher. |
| U233 | Resonance Energy | 7.9 | 1 | 7.9 | 1 | | | | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U233 | Resonance Energy | 4.8 | 0 | 9.8 | 1 | | | Accelerator | 32 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U233 | Resonance Energy | 2.3 | 0 | 2.3 | 0 | | | Crystal Spec | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U233 | Resonance Energy | 1.8 | 0 | 1.6 | 1 | | | TimeOfFlight | 8 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| U233 | Resonance Energy | 1.7 | 0 | 2.1 | 1 | | | TimeOfFlight | 9 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| U233 | Resonance Energy | 4.5 | 0 | 9.2 | 0 | | | Shape Analys | 5 | PR 100 1249 | Nov55 | BNL | Sailor,V.L. |
| U233 | Resonance Energy | 6.2 | 1 | 1.1 | 2 | | | AreaAnalysis | 7 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U233 | Resonance Energy | 1.8 | 0 | 5.5 | 1 | | Absolute | Gas Scint | 52 | JPR 24 254 | Apr63 | SAC | Nifenecker,H.+ |
| U233 | Resonance Energy | 2.8 | 0 | 5.2 | 1 | | | Shape Analys* | 72 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| U233 | σ(0) | 1.4 | 0 | 2.2 | 0 | | | | 3 | 55MOSKVA- 87 | Jul55 | CCP | Nikitin. |
| U233 | σ(0) | 1.8 | 0 | 1.8 | 0 | | | Accelerator | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U233 | σ(0) | 1.8 | 0 | 1.8 | 0 | | | Crystal Spec | 2 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U233 | σ(0) | 3.6 | 0 | 3.6 | 0 | | | Shape Analys | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U233 | σ(0) | 6.8 | 0 | 2.9 | 1 | | | AreaAnalysis | 7 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| U233 | Strength Fn(l=0) | 3.0 | 1 | 3.0 | 1 | | | Shape Analys* | 1 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| U233 | Lvl Spacing(l=0) | 3.0 | 1 | 3.0 | 1 | | | Shape Analys* | 1 | 70HELSNK/I- 387 | Jun70 | GEL | Kolar,W.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Mass Spec | 1 | ANL-4515 15 | Oct50 | ANL | Inghram. |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | CP/51/12-151 | Dec51 | ORL | Pomerance. |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | CP/51/12-151 | Dec51 | ORL | Pomerance. |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | | Co59 | Mass Spec * | 2 | AERE/R-6761 | Mar71 | HAR | Cabell,M.J.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| | FISSION CROSS SECT | | | | | | | | | | | | |
| U234 | Sigma | 4.2 | 0 | 5.7 | 0 | | U235(n,f) | Crystal Spec | 20 | HW-64866 4 | Apr60 | HAN | Odegaarden. |
| U234 | Sigma | 1.3 | 7 | 1.8 | 7 | | | Accelerator | 5 | BABCOCK 61J | Oct61 | BET | Babcock. |
| U234 | Sigma | 1.4 | 5 | 1.3 | 6 | | U235(n,f) | Back-to-Back | 73 | NP 38 561 | 62 | ORL | Lamphere. |
| U234 | Sigma | 5.0 | 4 | 6.1 | 5 | | Ratio | Back-to-Back | 29 | NP 38 561 | 62 | ORL | Lamphere. |
| U234 | Sigma | 4.0 | 4 | 5.0 | 5 | | U235(n,f) | Back-to-Back | 5 | 65SALZB/I- 219 | Mar65 | ALD | White,P.H.+ |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | * | 6 | AEEW/R- 526 | Jun67 | WIN | Stevenson,J.M.+ |
| U234 | Sigma | 1.0 | 6 | 1.4 | 7 | | Ratio | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| U234 | Sigma | 1.0 | 6 | 1.4 | 7 | N | U235(n,f) | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| U234 | σ*Sqrt(E) | 5.0 | 0 | 1.5 | 4 | | U235(n,f) | | 276 | NP A118 313 | Oct68 | HAR | James,G.D.+ |
| | NU-BAR | | | | | | | | | | | | |
| U234 | Prompt | 9.9 | 5 | 4.0 | 6 | | Cf252(Nu) | Liquid Scint | 4 | NP 66 149 | Apr65 | ALD | Mather,D.S.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | S | | Burn-up | 1 | CRR-622 | May57 | CR | Hurst. |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Burn-up | 1 | 58GENEVA/16- 83 | Sep58 | CR | Craig. |
| U234 | Sigma | 2.5 | -2 | 2.5 | -2 | | | TimeOfFlight | 1 | NSE 8 112 | 60 | ORL | Block. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| U234 | Sigma | 1.0 | -2 | 2.0 | 1 | | Absolute | TimeOfFlight | 98 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U234 | Sigma | 2.0 | -2 | 4.4 | -2 | | Absolute | TimeOfFlight | 26 | NSE 8 112 | 60 | ORL | Block. |
| | γ-WIDTH | | | | | | | | | | | | |
| U234 | Γ(γ) | 5.2 | 0 | 5.2 | 0 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U234 | Γ(γ) | 5.2 | 0 | 5.2 | 0 | | | AreaAnalysis | 1 | PR 109 471 | Jan58 | BNL | Harvey. |
| | n-WIDTH | | | | | | | | | | | | |
| U234 | Γ(n) | 5.2 | 0 | 5.2 | 0 | | | AreaAnalysis | 1 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U234 | Γ(n) | 5.2 | 0 | 5.2 | 0 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U234 | Γ(n) | 5.2 | 0 | 3.7 | 2 | | | AreaAnalysis | 20 | PR 109 471 | Jan58 | BNL | Harvey. |
| U234 | Γ(n) | 5.2 | 0 | 8.2 | 2 | | | TimeOfFlight* | 40 | NP A139 471 | Dec69 | HAR | James,G.D.+ |
| U234 | Γ(n,l=0) | -2.0 | 0 | -2.0 | 0 | | | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U234 | Γ(n,l=0) | 5.2 | 0 | 5.2 | 0 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U234 | Γ(n,l=0) | 5.2 | 0 | 3.7 | 2 | | | AreaAnalysis | 20 | PR 109 471 | Jan58 | BNL | Harvey. |
| | FISSION WIDTH | | | | | | | | | | | | |
| U234 | Γ(Fiss) | 5.2 | 0 | 3.7 | 2 | | U235(n,f) | | 20 | NP A118 313 | Oct68 | HAR | James,G.D.+ |
| U234 | Γ(Fiss) | 5.2 | 0 | 6.9 | 2 | | | TimeOfFlight* | 38 | NP A139 471 | Dec69 | HAR | James,G.D.+ |
| U234 | Γ(Fiss)σ(0) | 5.2 | 0 | 1.4 | 4 | | U235(n,f) | | 31 | NP A118 313 | Oct68 | HAR | James,G.D.+ |
| U234 | Γ(Fiss)σ(0) | 5.2 | 0 | 7.2 | 2 | | | TimeOfFlight* | 39 | NP A139 471 | Dec69 | HAR | James,G.D.+ |
| U234 | Γ(Fiss)σ(0)/Γ | 5.2 | 0 | 5.2 | 0 | | | Crystal Spec | 1 | BAP 6 8 | 61 | HAN | Leonard. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| U234 | Γ | 5.2 | 0 | 5.2 | 0 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U234 | Γσ(0) | 5.2 | 0 | 5.2 | 0 | | | AreaAnalysis | 1 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **OTHER RESON PARAM** | | | | | | | | | | |
| $U^{234}$ | Resonance Energy | 5.2 0 | 1.4 4 | | $U^{235}(n,f)$ | | 31 | NP A118 313 | Oct68 | HAR | James,G.D.+ |
| $U^{234}$ | Resonance Energy | 5.2 0 | 8.2 2 | | | TimeOfFlight* | 41 | NP A139 471 | Dec69 | HAR | James,G.D.+ |
| | **AVERAGED PARAM** | | | | | | | | | | |
| $U^{234}$ | Strength Fn(l=0) | 7.7 1 | 7.7 1 | | | AreaAnalysis | 1 | PR 109 471 | Jan58 | BNL | Harvey. |
| $U^{234}$ | Strength Fn(l=0) | 2.1 2 | 2.1 2 | | | | 1 | AERE/R-6039 | Jul69 | HAR | James,G.D.+ |
| $U^{234}$ | Strength Fn(l=0) | 3.5 4 | 3.5 4 | | | AreaAnalysis* | 1 | NP A139 471 | Dec69 | HAR | James,G.D.+ |
| $U^{234}$ | Level Spacing | 7.7 1 | 7.7 1 | | | AreaAnalysis | 1 | PR 109 471 | Jan58 | BNL | Harvey. |
| $U^{234}$ | Lvl Spacing(l=0) | 2.1 2 | 2.1 2 | | | | 1 | AERE/R-6039 | Jul69 | HAR | James,G.D.+ |
| $U^{234}$ | Lvl Spacing(l=0) | 3.5 4 | 3.5 4 | | | AreaAnalysis* | 1 | NP A139 471 | Dec69 | HAR | James,G.D.+ |
| | **(n,γ) REACTION** | | | | | | | | | | |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 2 | LA- 512 | 46 | LAS | Williams. |
| $U^{235}$ | Sigma | 3.0 4 | 9.0 5 | | | | 4 | AE 1 21 | 56 | CCP | Spivak. |
| $U^{235}$ | Sigma | 2.4 4 | 8.8 5 | | | | 3 | AE 4 185 | 58 | CCP | Andreev. |
| $U^{235}$ | Sigma | 1.8 5 | 1.0 6 | | | Scint Tank | 9 | PR 109 144 | Jan58 | LAS | Diven. |
| $U^{235}$ | Sigma | 3.0 4 | 1.0 6 | | | | 9 | NSE 12 169 | 62 | LAS | Hopkins,J.C.+ |
| $U^{235}$ | Sigma | 3.0 4 | 1.0 6 | N | | | 9 | NSE 12 169 | 62 | LAS | Hopkins,J.C.+ |
| $U^{235}$ | Sigma | 1.2 4 | 6.9 5 | | | TimeOfFlight | 26 | NSE 20 80 | 64 | ORL | Weston. |
| $U^{235}$ | σ*Sqrt(E) | 3.2 0 | 2.5 1 | S | Absolute | Scint Tank | 857 | NSE 23 45 | Sep65 | RPI | De Saussure. |
| $U^{235}$ | σ*Sqrt(E) | 4.0 -1 | 3.0 3 | | | Scint Tank | 4766 | 66PARIS/II-233 | Oct66 | RPI | De Saussure. |
| $U^{235}$ | σ*Sqrt(E) | 1.7 1 | 6.3 1 | P | | Scint Tank | 609 | 66PARIS/II-233 | Oct66 | RPI | De Saussure. |
| $U^{235}$ | Reson Integral | 4.5 -1 | 4.5 -1 | S | Au(n,γ) | Mass Spec | 1 | EANDC/CAN-13 4 | Mar62 | CR | Jones. |
| $U^{235}$ | Reson Integral | 4.5 -1 | 4.5 -1 | | Au(n,γ) | Mass Spec | 1 | BIGHAM 63J | Oct63 | CR | Bigham. |
| $U^{235}$ | Reson Integral | 4.5 -1 | 4.5 -1 | S | Au(n,γ) | Mass Spec | 1 | EANDC/CAN-17 4 | Oct63 | CR | Crocker. |
| $U^{235}$ | Reson Integral | 5.0 5 | 5.0 5 | | | Activation | 1 | 66PARIS/II- 17 | Oct66 | CR | Durham,R.W.+ |
| $U^{235}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | WAPD/TM-613 | Jun67 | BET | |
| | **γ,EMISSION** | | | | | | | | | | |
| $U^{235}$ | Sigma | 1.1 6 | 1.5 7 | | | Diff Sig Int | 6 | ORO/2791-17 | Jun66 | TNC | Nellis,D.O.+ |
| $U^{235}$ | Ang Distrib | 1.1 6 | 1.5 7 | | H(n,n) | γ-Spectromet | 60 | ORO/2791-17 | Jun66 | TNC | Nellis,D.O.+ |
| $U^{235}$ | (θ,E)-Distrib | 4.0 6 | 7.5 6 | | | * | 73 | NP A133 108 | Aug69 | LAS | Drake. |
| | **ELASTIC SCATTERING** | | | | | | | | | | |
| $U^{235}$ | Sigma | 1.0 0 | 1.0 0 | | | | 1 | MELKONIAN 54 | 54 | COL | Melkonian. |
| $U^{235}$ | Sigma | 2.7 -1 | 7.7 0 | | Lead | Crystal Spec | 7 | PR 109 1641 | Mar58 | BNL | Poote. |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | C | Lead | Crystal Spec | 1 | PR 109 1641 | Mar58 | BNL | Poote. |
| $U^{235}$ | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 28 | NSE 18 126 | 64 | ANL | Smith. |
| $U^{235}$ | Sigma | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 46 | PRL 16 525 | Mar66 | ANL | Smith. |
| $U^{235}$ | Sigma | 1.0 0 | 3.0 1 | | | Accelerator | 234 | SAUTER 68F | Jun68 | LRL | Sauter. |
| $U^{235}$ | Sigma | 7.4 0 | 1.9 2 | | Lead | TimeOfFlight* | 1364 | 70HELSNK/I- 449 | Jun70 | GEL | Poortmans,F.+ |
| $U^{235}$ | Sigma | 2.4 -2 | 7.6 -1 | | | Crystal Spec* | 33 | 70HELSNK/I- 461 | Jun70 | MOL | Ceulemans,H.+ |
| $U^{235}$ | Ang Distrib | 5.0 5 | 1.0 6 | | | RecoilChambr | 18 | PR 104 731 | Nov56 | LAS | Allen. |
| $U^{235}$ | Ang Distrib | 2.0 6 | 4.0 6 | | H(n,n) | TimeOfFlight* | 27 | AWRE/O/69- 55 | Aug69 | ALD | Batchelor,R.+ |
| $U^{235}$ | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 136 | NSE 18 126 | 64 | ANL | Smith. |
| $U^{235}$ | Legendre Fit | 3.0 5 | 1.5 6 | | Carbon | TimeOfFlight | 225 | PRL 16 525 | Mar66 | ANL | Smith. |
| | **ELASTIC+SOME INEL** | | | | | | | | | | |
| $U^{235}$ | Sigma | 5.0 5 | 1.0 6 | | | Diff Sig Int | 2 | PR 104 731 | Nov56 | LAS | Allen. |
| $U^{235}$ | Sigma | 5.5 5 | 2.0 6 | | H(n,n) | Diff Sig Int | 3 | LA-2177 | Jan59 | LAS | Cranberg. |
| $U^{235}$ | Ang Distrib | 2.0 6 | 2.0 6 | | H(n,n) | Biased Scint | 16 | LA-2177 | Jan59 | LAS | Cranberg. |
| | **INEL SCATTERING** | | | | | | | | | | |
| $U^{235}$ | Sigma | 5.5 5 | 2.0 6 | | H(n,n) | TimeOfFlight | 5 | LA-2177 | Jan59 | LAS | Cranberg. |
| $U^{235}$ | Sigma | 9.5 5 | 1.0 6 | | | Threshold C | 4 | SPN- 211 | 61 | CCP | Andreev,V.N. |
| $U^{235}$ | Sigma | 1.3 5 | 1.5 6 | | Carbon | 4Pi*σ(90°) | 58 | 66PARIS/I- 383 | Oct66 | HAR | Armitage,B.H.+ |
| $U^{235}$ | Sigma | 2.0 6 | 4.0 6 | | H(n,n) | TimeOfFlight* | 3 | AWRE/O/69- 55 | Aug69 | ALD | Batchelor,R.+ |
| $U^{235}$ | Spectrum | 2.0 6 | 4.0 6 | | H(n,n) | TimeOfFlight* | 42 | AWRE/O/69- 55 | Aug69 | ALD | Batchelor,R.+ |
| | **(n,n'γ) REACTION** | | | | | | | | | | |
| $U^{235}$ | Sigma | 4.0 6 | 7.5 6 | | | CrystalScint* | 3 | NP A133 108 | Aug69 | LAS | Drake. |
| $U^{235}$ | Sigma | 4.0 6 | 7.5 6 | C | | * | 3 | NP A133 108 | Aug69 | LAS | Drake. |
| | **ELASTIC+INELASTIC** | | | | | | | | | | |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | C | | MultiLvl Fit | 1 | PR 112 203 | Oct58 | CR | Vogt. |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | C | | | 1 | NUC 17 134 | Nov59 | COL | Safford. |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | C | | MultiLvl Fit | 1 | PR 118 724 | May60 | CR | Vogt. |
| | **MISC SCATT QUANT** | | | | | | | | | | |
| $U^{235}$ | σ(Potential) | 3.0 -1 | 3.0 -1 | | | Crystal Spec | 1 | 66PARIS/II-211 | Oct66 | MOL | Poortmans,F.+ |
| $U^{235}$ | σ(Potential) | 9.9 0 | 9.9 0 | | Lead | Crystal Spec | 1 | 66PARIS/II-211 | Oct66 | MOL | Poortmans,F.+ |
| $U^{235}$ | σ(Bound Atom) | 2.5 -2 | 2.5 -2 | | | Ring Geomtry | 1 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| | **(n,f) REACTION** | | | | | | | | | | |
| $U^{235}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | **(n,alpha) REACTION** | | | | | | | | | | |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Count Telesc | 2 | APP 35 187 | 69 | JAD | Chwaszczewska. |
| | **FISSION CROSS SECT** | | | | | | | | | | |
| $U^{235}$ | Sigma | 1.1 4 | 4.5 4 | | σ(E≠E(th)) | Ion Chamber | 5 | KAPL-1109 | Jun54 | KAP | Yeater. |
| $U^{235}$ | Sigma | 7.2 2 | 4.5 4 | | σ(E≠E(th)) | TimeOfFlight | 28 | KAPL-1109 | Jun54 | KAP | Yeater. |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 2 | ANL-5411 10 | 55 | ANL | Gilbreath. |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Ratio | Fission Det | 1 | ANL-5411 10 | 55 | ANL | Gilbreath. |
| $U^{235}$ | Sigma | 1.0 6 | 1.0 6 | | Boron | Proportion C* | 1 | NUC 13 67 | Feb55 | KJL | |
| $U^{235}$ | Sigma | 1.0 6 | 1.0 6 | | Ratio | Proportion C* | 1 | NUC 13 67 | Feb55 | KJL | |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Au(n,γ) | TimeOfFlight | 3 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| $U^{235}$ | Sigma | 1.2 -2 | 9.7 2 | | σ(Thermal) | TimeOfFlight | 209 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $U^{235}$ | Sigma | 1.0 -2 | 3.6 0 | | σ(Thermal) | Crystal Spec | 51 | 55GENEVA/ 4-235 | Aug55 | SAC | Auclair. |
| $U^{235}$ | Sigma | 1.4 -3 | 1.0 2 | | σ(Thermal) | TimeOfFlight | 145 | 55GENEVA/ 4-235 | Aug55 | SAC | Auclair. |
| $U^{235}$ | Sigma | 5.0 4 | 8.1 5 | | $U^{238}(n,f)$ | Long Counter | 8 | 55GENEVA/ 4-245 | Aug55 | SAC | Szteinsznaider. |
| $U^{235}$ | Sigma | 1.4 7 | 1.4 7 | | $U^{238}(n,f)$ | Back-to-Back | 1 | AERE/NP/R-1996 | Jun56 | HAR | Uttley. |
| $U^{235}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Au(n,γ) | Crystal Spec | 1 | BAP 1 249 | Jun56 | HAN | Friesen. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION CROSS SECT (CONTINUED) | | | | | | | | | | |
| U235 | Sigma | 1.0 6 | 3.8 6 | | | Accelerator | 28 | NETTER 56F | Jun56 | SAC | Netter. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | S | Au(n,γ) | Crystal Spec | 1 | HW-44525 34 | Jul56 | HAN | Friesen. |
| U235 | Sigma | 5.3 0 | 2.0 3 | | σ(E≠E(th)) | TimeOfFlight | 447 | PR 104 479 | Oct56 | KAP | Yeater. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Crystal Spec | 1 | HW-47012 50 | Nov56 | HAN | Friesen. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 2 | ORNL-2081 102 | Nov56 | ORL | Pratt. |
| U235 | Sigma | 3.0 4 | 5.0 6 | | Absolute | Shell Trans | 5 | AE 2 10 | 57 | CCP | Dorofeev,G.A.+ |
| U235 | Sigma | 2.9 -1 | 1.9 1 | | Absolute | AreaAnalysis | 15 | AE 2 129 | 57 | CCP | Sokolovsky,V.V. |
| U235 | Sigma | 3.0 4 | 3.0 6 | | σ(E≠E(th)) | Ion Chamber | 24 | PPS 70 573 | 57 | HAR | Allen. |
| U235 | Sigma | 5.5 5 | 1.8 6 | | H(n,n) | Ion Chamber | 2 | PPS 70 573 | 57 | HAR | Allen. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | S | Ratio | Fission Det | 2 | TID- 7547 112 | 57 | CR | Bigham. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | S | AnothA SameZ | Back-to-Back | 1 | TID- 7547 113 | 57 | CR | Tunnicliffe. |
| U235 | Sigma | 4.0 5 | 8.6 5 | | | | 6 | PR 105 1350 | Feb57 | LAS | Diven,B.C. |
| U235 | Sigma | 4.0 5 | 1.6 6 | | σ(E≠E(th)) | Back-to-Back | 13 | PR 105 1350 | Feb57 | LAS | Diven,B.C. |
| U235 | Sigma | 1.3 6 | 1.3 6 | | H(n,n) | Back-to-Back | 1 | PR 105 1350 | Feb57 | LAS | Diven,B.C. |
| U235 | Sigma | 1.0 -1 | 1.0 -1 | | Au(n,γ) | Crystal Spec | 1 | HW-48893 98 | Mar57 | HAN | Leonard. |
| U235 | Sigma | 2.0 6 | 2.0 6 | | σ(E≠E(th)) | CrystalScint | 1 | LA-2122 | Mar57 | LAS | Henkel. |
| U235 | Sigma | 2.1 4 | 1.9 6 | | σ(E≠E(th)) | Spiralfiss C | 37 | LA-2122 | Mar57 | LAS | Henkel. |
| U235 | Sigma | 2.0 6 | 2.0 6 | | | Accelerator | 1 | LA-2114 | May57 | LAS | Henkel. |
| U235 | Sigma | 1.0 6 | 1.0 6 | | Absolute | Proportion C* | 1 | JNE 4 133 | Jun57 | HAR | Rose,H.+ |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 2 | TID- 7547 115 | Sep57 | HAN | Leonard. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Back-to-Back | 1 | UK/C/6-125 | Sep57 | CR | |
| U235 | Sigma | 2.7 -3 | 1.0 -1 | | | | 11 | LEONARD 57J | Oct57 | HAN | Leonard. |
| U235 | Sigma | 3.8 -3 | 9.5 -1 | | σ(Thermal) | TimeOfFlight | 31 | BOLLINGER 58 | 58 | ANL | Bollinger. |
| U235 | Sigma | 1.1 -2 | 4.0 4 | | σ(Thermal) | TimeOfFlight | 336 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Coincidences | 1 | 58GENEVA/16-103 | Sep58 | ANL | Saplakoglu. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Back-to-Back | 4 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | U233 | Back-to-Back | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | N | U233 | Back-to-Back | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| U235 | Sigma | 3.0 6 | 8.3 6 | S | | Ion Chamber | 18 | 58GENEVA/16-136 | Sep58 | CCP | Pankratov. |
| U235 | Sigma | 1.0 -1 | 1.0 1 | | σ(Thermal) | Crystal Spec | 278 | PR 112 191 | Oct58 | BNL | Shore. |
| U235 | Sigma | 1.5 7 | 1.5 7 | | U238(n,f) | Ion Chamber | 1 | AE 5 659 | Dec58 | CCP | Berezin,A.A. |
| U235 | Sigma | 3.5 3 | 7.7 5 | | σ(E≠E(th)) | Ion Chamber | 24 | AE 6 453 | 59 | CCP | Gorlov. |
| U235 | Sigma | 2.9 -3 | 2.5 -2 | | | Crystal Spec | 5 | PR 113 1285 | Mar59 | COL | Safford. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Fission Det | 2 | AERE/R-2998 | Jul59 | HAR | |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | TimeOfFlight | 1 | AERE/R-2998 | Jul59 | HAR | |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | NSE 6 433 | Aug59 | COL | Safford. |
| U235 | Sigma | 1.1 7 | 2.1 7 | | σ(E≠E(th)) | TimeOfFlight | 16 | AE 9 399 | 60 | CCP | Pankratov,V.M.+ |
| U235 | Sigma | 7.2 0 | 2.1 4 | | | TimeOfFlight | 2733 | JPR 21 429 | May60 | SAC | Nifenecker. |
| U235 | Sigma | 1.3 7 | 1.9 7 | | U238(n,f) | Long Counter | 13 | JNE 14 85 | 61 | ALD | Adams. |
| U235 | Sigma | 1.1 -2 | 1.2 -1 | | Au(n,γ) | TimeOfFlight | 26 | JNE 15 165 | 61 | MOL | Deruytter. |
| U235 | Sigma | 1.0 7 | 2.1 7 | | H(n,n) | | 13 | SMITH 61B | Feb61 | LAS | Smith. |
| U235 | Sigma | 3.0 5 | 2.6 6 | | U238(n,f) | Ion Chamber | 53 | AE 13 366 | Oct62 | CCP | Smirenkin. |
| U235 | Sigma | 6.1 6 | 2.6 7 | | | TimeOfFlight | 30 | AE 14 177 | Feb63 | CCP | Pankratov. |
| U235 | Sigma | 3.2 -2 | 6.0 1 | | Absolute | TimeOfFlight | 1438 | PR 130 1482 | May63 | LRL | Bowman. |
| U235 | Sigma | 1.1 0 | 8.1 0 | | Another Reac | TimeOfFlight | 284 | AE 16 110 | Feb64 | ITE | Ignatiev,K.G.+ |
| U235 | Sigma | 3.5 -2 | 1.1 1 | | | TimeOfFlight | 736 | BROOKS 64C | Mar64 | HAR | Brooks. |
| U235 | Sigma | 3.7 -2 | 1.0 2 | S | | TimeOfFlight | 1499 | BROOKS 64C | Mar64 | HAR | Brooks. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | S | Absolute | TimeOfFlight | 1 | 64GENEVA- 167 | Aug64 | ALD | Maslin. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 1 | AE 17 294 | Oct64 | CCP | Batyrbekov,G.A.+ |
| U235 | Sigma | 6.3 -2 | 6.3 -2 | | Boron | | 3 | 65SALZB/I- 255 | Mar65 | ISP | Fraysse,G.+ |
| U235 | Sigma | 2.5 -2 | 6.3 -2 | | Boron | Crystal Spec | 3 | 65SALZB/I- 255 | Mar65 | SAC | Fraysse,G.+ |
| U235 | Sigma | 2.2 -1 | 3.1 4 | | | TimeOfFlight | 2910 | 65SALZB/I- 287 | Mar65 | DUB | Wang,Sh.-T.+ |
| U235 | Sigma | 4.0 4 | 1.4 7 | | Another Reac | RecoilChambr | 12 | JNE 19 325 | May65 | ALD | White,P.H. |
| U235 | Sigma | 3.5 -2 | 2.0 2 | | | TimeOfFlight | 2425 | BROOKS 65P | Jun65 | HAR | Brooks. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | S | Absolute | TimeOfFlight | 1 | PR 139B 852 | Aug65 | ALD | Maslin,E.E.+ |
| U235 | Sigma | 2.5 -2 | 5.0 4 | | Pu239 | Activation | 2 | AE 19 292 | Sep65 | CCP | Stavisskii,Yu.Ya.+ |
| U235 | Sigma | 8.2 -1 | 1.7 2 | | | Accelerator | 1834 | MOSTOVAYA 66 | 66 | KUR | Mostovaya. |
| U235 | Sigma | 1.5 5 | 3.3 5 | | Boron | Ion Chamber | 10 | PRL 16 249 | Feb66 | ORL | Macklin. |
| U235 | Sigma | 2.0 1 | 9.8 5 | | | TimeOfFlight | 3087 | 66WASH- 971 | Mar66 | LAS | Wilbur,K.+ |
| U235 | Sigma | 1.3 -2 | 8.0 1 | | σ(Thermal) | TimeOfFlight | 1596 | 66WASH-1004 | Mar66 | LRL | Bowman. |
| U235 | Sigma | 3.0 4 | 3.0 4 | | Absolute | Gas Scint | 1 | EANDC/E- 74 | Nov66 | KPK | Knoll,G.P.+ |
| U235 | Sigma | 6.4 4 | 6.4 4 | | Au(n,γ) | Gas Scint | 1 | EANDC/E- 74 | Nov66 | KPK | Knoll,G.P.+ |
| U235 | Sigma | 6.4 4 | 6.4 4 | | σ(E≠E(th)) | Gas Scint | 1 | JNE 21 643 | Aug67 | KPK | Knoll,G.P.+ |
| U235 | Sigma | 3.0 4 | 3.0 4 | | Absolute | Gas Scint | 1 | JNE 21 643 | Aug67 | KPK | Knoll,G.P.+ |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Boron | TimeOfFlight | 2 | 68WASH- 491 | Mar68 | GEL | Deruytter,A.J.+ |
| U235 | Sigma | 3.0 4 | 1.5 6 | | σ(E≠E(th)) | TimeOfFlight | 14 | 68WASH- 503 | Mar68 | ANL | Poenitz. |
| U235 | Sigma | 1.0 6 | 1.0 6 | | Indium | * | 1 | 68WASH-1263 | Mar68 | MOL | Fabry,A.+ |
| U235 | Sigma | 6.0 0 | 3.0 3 | | σ(E≠E(th)) | TimeOfFlight* | 9780 | JNE 22 211 | Apr68 | GEL | Cao,M.G.+ |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Co59 | Fission Det * | 1 | JNE 22 477 | Aug68 | ALD | Keth,R.L.G.+ |
| U235 | Sigma | 2.2 6 | 2.1 7 | | H(n,n) | Ion Chamber | 27 | SMITH 68I | Sep68 | LAS | Smith. |
| U235 | Sigma | 2.0 1 | 1.0 3 | | | TimeOfFlight* | 2801 | LA-4285 | Dec69 | LAS | Cramer,J.D.+ |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Boron | TimeOfFlight* | 1 | 70HELSNK/I- 117 | Jun70 | GEL | Deruytter,A.J.+ |
| U235 | Sigma | 1.7 4 | 1.0 6 | | Absolute | TimeOfFlight* | 31 | 70HELSNK/I- 229 | Jun70 | CAD | Szabo,I.+ |
| U235 | Sigma | 3.0 1 | 3.0 4 | | | TimeOfFlight* | 48 | 70HELSNK/I- 469 | Jun70 | SAC | Blons,J.+ |
| U235 | Sigma | 2.0 -2 | 1.1 1 | | Boron | TimeOfFlight* | 870 | EANDC/E-129 | Jul70 | GEL | Deruytter,A.J.+ |
| U235 | Sigma | 1.0 4 | 3.0 4 | | U235(n,f) | TimeOfFlight* | 244 | JNE 24 269 | Sep70 | HAR | Patrick,B.H.+ |
| U235 | Sigma | 2.0 1 | 1.0 5 | | | TimeOfFlight | 6847 | LA/DC-11984 | Oct70 | LAS | |
| U235 | Sigma | 4.4 5 | 5.3 5 | | H(n,n) | Gas Scint * | 2 | KPK-1313 | Nov70 | KPK | Kaeppeler,P. |
| U235 | Sigma | 1.1 4 | 2.0 5 | | Absolute | TimeOfFlight* | 15 | 71KNOXVILL/5 6 | Mar71 | CAD | Szabo,I.+ |
| U235 | Sigma | 1.0 3 | 9.6 5 | P | U235(n,f) | TimeOfFlight* | 173 | GAYTHER 71F | Jun71 | HAR | Gayther.+ |
| U235 | Sigma | 1.7 1 | 3.0 4 | | Boron | TimeOfFlight | 8077 | BLONS 71K | Nov71 | SAC | Blons,J.+ |
| U235 | σ*Sqrt(E) | 2.3 -1 | 1.5 2 | N | | Accelerator | 240 | JNE 2 128 | 55 | HAR | Price. |
| U235 | σ*Sqrt(E) | 1.0 -1 | 6.3 -1 | N | σ(Thermal) | Crystal Spec | 31 | JNE 2 128 | 55 | HAR | Price. |
| U235 | σ*Sqrt(E) | 5.3 -3 | 9.9 -2 | N | σ(Thermal) | TimeOfFlight | 44 | JNE 2 128 | 55 | HAR | Price. |
| U235 | σ*Sqrt(E) | 5.0 -3 | 9.7 -1 | | σ(Thermal) | Crystal Spec | 80 | LEONARD 55F | Jun55 | HAN | Leonard. |
| U235 | σ*Sqrt(E) | 2.9 -3 | 1.0 -1 | | | | 10 | LEONARD 57J | Oct57 | HAN | Leonard. |
| U235 | σ*Sqrt(E) | 2.9 -3 | 2.5 -2 | | Ratio | Crystal Spec | 3 | PR 113 1285 | Mar59 | COL | Safford. |
| U235 | σ*Sqrt(E) | 2.1 -2 | 1.9 4 | | Au(n,γ) | TimeOfFlight | 6 | AERE/R-2998 | Jul59 | HAR | |
| U235 | σ*Sqrt(E) | 2.9 -3 | 2.9 -3 | | | Crystal Spec | 1 | NSE 6 433 | Aug59 | COL | Safford. |
| U235 | σ*Sqrt(E) | 1.1 1 | 2.0 1 | S | | | 180 | AE 16 110 | Feb64 | ITE | Ignatiev,K.G.+ |
| U235 | σ*Sqrt(E) | 3.0 -2 | 1.1 1 | S | | TimeOfFlight | 580 | AE 16 110 | Feb64 | ITE | Ignatiev,K.G.+ |
| U235 | σ*Sqrt(E) | 3.8 -1 | 5.5 1 | | | TimeOfFlight | 1496 | CEA/R-2552 | May64 | SAC | Michaudon,A.+ |
| U235 | σ*Sqrt(E) | 3.2 0 | 2.5 1 | S | | Scint Tank | 857 | NSE 23 45 | Sep65 | RPI | De Saussure. |
| U235 | σ*Sqrt(E) | 4.1 -1 | 2.0 4 | | | Scint Tank | 5191 | 66PARIS/II-233 | Oct66 | RPI | De Saussure. |
| U235 | σ*Sqrt(E) | 1.7 1 | 6.3 1 | P | | Scint Tank | 592 | 66PARIS/II-233 | Oct66 | RPI | De Saussure. |
| U235 | Reson Integral | 4.9 -1 | 4.9 -1 | | Boron | Fission Det | 1 | AECD-4167 | Mar55 | HAN | Clayton. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION CROSS SECT (CONTINUED) | | | | | | | | | | |
| U235 | Reson Integral | 5.0 -1 | 5.0 -1 | S | Indium | Fission Det | 1 | AECD-4167 | Mar55 | HAN | Clayton. |
| U235 | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | Fission Det | 1 | NSE 9 341 | Mar61 | BET | Hardy. |
| U235 | Reson Integral | 6.0 -1 | 6.0 -1 | | Au(n,γ) | Fission Det | 1 | DP- 817 | Jan63 | SRL | Baumann. |
| U235 | Reson Integral | 4.5 -1 | 4.5 -1 | | Au(n,γ) | Fission Det | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| U235 | Reson Integral | 4.5 -1 | 4.5 -1 | | Indium | Activation | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| U235 | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,γ) | Fission Det * | 1 | AE- 181 | Apr65 | AE | Hellstrand,E. |
| U235 | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | WAPD/TM-613 | Jun67 | BET | |
| U235 | Reson Integral | 7.4 0 | 1.5 1 | | σ(E≠E(th)) | Back-to-Back | 4 | 68WASH- 475 | Mar68 | GEL | Deruytter,A.J.+ |
| U235 | Reson Integral | 1.0 1 | 3.0 3 | | σ(E≠E(th)) | Ion Chamber | 17 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| U235 | Reson Integral | 1.0 1 | 2.0 2 | | σ(E≠E(th)) | Liquid Scint | 10 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| U235 | Reson Integral | 7.0 -1 | 2.0 1 | | $U^{235}$(n,f) | TimeOfFlight* | 6 | EANDC/E-129 | Jul70 | GEL | Deruytter,A.J.+ |
| | FISSION FRAGMENTS | | | | | | | | | | |
| U235 | Yield | 2.5 -2 | 2.5 -2 | | | Mass Spec | 12 | CJP 31 419 | May53 | MCM | Wiles,D.R.+ |
| U235 | Yield | 2.5 -2 | 2.5 -2 | | Ratio | Mass Spec | 2 | CJP 31 419 | May53 | MCM | Wiles,D.R.+ |
| U235 | Yield | 2.5 -2 | 2.5 -2 | | | Mass Spec | 12 | AE 3 11 | Jul57 | CCP | Gorshkov,V.K.+ |
| U235 | Yield | 1.0 6 | 1.0 6 | | | | 2 | SPN- 159 | 61 | CCP | Petrzhak,K.A. |
| U235 | Yield | 1.0 6 | 1.0 6 | | Absolute | | 4 | SPN- 159 | 61 | CCP | Petrzhak,K.A. |
| U235 | Yield | 1.0 6 | 1.0 6 | | Ratio | | 1 | SPN- 159 | 61 | CCP | Petrzhak,K.A. |
| U235 | Yield | 1.0 6 | 1.5 7 | | | Activation | 29 | SPN- 164 | 61 | CCP | Bonyushkin,E.K. |
| U235 | Yield | 1.0 6 | 1.5 7 | | Absolute | Activation | 2 | SPN- 164 | 61 | CCP | Bonyushkin,E.K. |
| U235 | Yield | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 43 | NP 34 367 | Jun62 | MCM | Farrar,H.+ |
| U235 | Yield | 2.5 -2 | 2.5 -2 | | Ratio | Mass Spec | 17 | NP 34 367 | Jun62 | MCM | Farrar,H.+ |
| U235 | Yield | 2.5 -2 | 2.5 -2 | | | | 9 | JIN 27 273 | Feb65 | NRD | Bunney,L.R.+ |
| U235 | Yield | 2.5 -2 | 7.2 5 | | | Back-to-Back | 40 | YF 2 92 | Jul65 | PEI | D'yachenio,P.P.+ |
| | NU-BAR | | | | | | | | | | |
| U235 | Prompt+Delayed | 8.0 4 | 6.4 5 | | σ(Thermal) | Fission Det | 6 | NP 52 648 | Apr64 | LEB | Blyumkina,Yu.A.+ |
| U235 | Prompt+Delayed | 8.0 4 | 9.9 5 | | σ(Thermal) | CrystalScint | 7 | NP 52 648 | Apr64 | LEB | Blyumkina,Yu.A.+ |
| U235 | Prompt+Delayed | 3.1 5 | 9.9 5 | | σ(Thermal) | CrystalScint | 6 | NP 52 648 | Apr64 | OBN | Blyumkina,Yu.A.+ |
| U235 | Prompt+Delayed | 8.0 4 | 6.4 5 | | σ(Thermal) | Threshold C | 6 | NP 52 648 | Apr64 | OBN | Blyumkina,Yu.A.+ |
| U235 | Prompt+Delayed | 8.0 4 | 9.9 5 | N | σ(Thermal) | CrystalScint | 8 | NP 52 648 | Apr64 | OBN | Blyumkina,Yu.A.+ |
| U235 | Prompt+Delayed | 8.0 4 | 6.4 5 | N | σ(Thermal) | Threshold C | 6 | NP 52 648 | Apr64 | OBN | Blyumkina,Yu.A.+ |
| U235 | Prompt | 2.5 -2 | 2.5 -2 | | | Coincidences | 1 | 55MOSKVA-131 | Jul55 | CCP | Kalashnikov. |
| U235 | Prompt | 4.0 6 | 4.5 6 | | | Shell Trans | 2 | LA-1939 | Aug55 | LAS | Bethe. |
| U235 | Prompt | 8.0 4 | 8.0 4 | | σ(Thermal) | ModeratrTank | 1 | PR 101 1012 | Feb56 | LAS | Diven. |
| U235 | Prompt | 8.0 4 | 8.0 4 | N | σ(Thermal) | ModeratrTank | 1 | PR 101 1012 | Feb56 | LAS | Diven. |
| U235 | Prompt | 1.3 6 | 4.8 6 | | | | 2 | PR 108 783 | Nov57 | LAS | Terrell,J. |
| U235 | Prompt | 4.0 6 | 1.5 7 | | σ(Thermal) | Coincidences | 2 | AE 4 188 | 58 | CCP | Smirenkin. |
| U235 | Prompt | 4.0 6 | 1.5 7 | N | σ(Thermal) | Coincidences | 2 | AE 4 188 | 58 | CCP | Smirenkin. |
| U235 | Prompt | 1.5 7 | 1.5 7 | | σ(Thermal) | Coincidences | 1 | AE 4 374 | 58 | CCP | Protopopov. |
| U235 | Prompt | 1.5 7 | 1.5 7 | N | σ(Thermal) | Coincidences | 1 | AE 4 374 | 58 | CCP | Protopopov. |
| U235 | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 1 | 58GENEVA/16-121 | Sep58 | HAR | Colvin. |
| U235 | Prompt | 1.4 7 | 1.4 7 | | | Shell Trans | 1 | AE 5 654 | Dec58 | CCP | Flerov,N.N.+ |
| U235 | Prompt | 1.4 7 | 1.4 7 | | | CrystalScint | 1 | ZET 38 671 | Mar60 | CCP | Vasil'ev. |
| U235 | Prompt | 7.5 4 | 1.4 7 | | $Cf^{252}$(Nu) | Coincidences | 3 | JNE 15 102 | 61 | ALD | Moat,A.+ |
| U235 | Prompt | 7.5 4 | 1.4 7 | N | $Cf^{252}$(Nu) | Coincidences | 3 | JNE 15 102 | 61 | ALD | Moat,A.+ |
| U235 | Prompt | 3.0 4 | 1.8 6 | | σ(Thermal) | Coincidences | 6 | PR 126 197 | Apr62 | ANL | Meadows,J.W.+ |
| U235 | Prompt | 3.0 4 | 1.8 6 | N | σ(Thermal) | Coincidences | 6 | PR 126 197 | Apr62 | ANL | Meadows,J.W.+ |
| U235 | Prompt | 2.5 -2 | 1.5 7 | | $Cf^{252}$(Nu) | ModeratrTank | 7 | NP 48 433 | 63 | LAS | Hopkins,J.C.+ |
| U235 | Prompt | 2.5 -2 | 1.2 7 | | $Cf^{252}$(Nu) | Scint Tank | 20 | PR 133B1403 | Mar64 | ALD | Mather,D.S.+ |
| U235 | Prompt | 8.0 4 | 9.9 5 | C | σ(Thermal) | CrystalScint | 7 | NP 52 648 | Apr64 | OBN | Blyumkina,Yu.A.+ |
| U235 | Prompt | 8.0 4 | 6.4 5 | C | σ(Thermal) | Threshold C | 6 | NP 52 648 | Apr64 | OBN | Blyumkina,Yu.A.+ |
| U235 | Prompt | 2.5 -2 | 2.6 6 | | $Cf^{252}$(Nu) | Coincidences | 10 | 65SALZB/II- 25 | Mar65 | HAR | Colvin,D.W.+ |
| U235 | Prompt | 2.5 -2 | 2.6 6 | | Ratio | Coincidences | 10 | 65SALZB/II- 25 | Mar65 | HAR | Colvin,D.W.+ |
| U235 | Prompt | 2.5 -2 | 2.5 -2 | | $Cf^{252}$(Nu) | Liquid Scint* | 1 | 65SALZB/II- 57 | Mar65 | FOA | Conde,H.+ |
| U235 | Prompt | 3.9 6 | 3.9 6 | | $Cf^{252}$(Nu) | | 1 | EANDC/US- 70 9 | Oct65 | ANL | Meadows. |
| U235 | Prompt | 4.5 6 | 6.4 6 | | $Cf^{252}$(Nu) | Coincidences | 6 | EANDC/US- 70 9 | Oct65 | ANL | Meadows. |
| U235 | Prompt | 2.5 -2 | 2.5 -2 | | $Cf^{252}$(Nu) | Extrapolatn * | 1 | AP 29 293 | Dec65 | FOA | Conde,H. |
| U235 | Prompt | 7.5 6 | 1.5 7 | | $Cf^{252}$(Nu) | Liquid Scint* | 2 | AP 29 293 | Dec65 | FOA | Conde,H. |
| U235 | Prompt | 3.9 4 | 1.0 6 | | $Cf^{252}$(Nu) | | 16 | ANL-7110 20 | Dec65 | ANL | Meadows,J.W.+ |
| U235 | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 1 | 66PARIS/I- 307 | Oct66 | HAR | Colvin,D.W.+ |
| U235 | Prompt | 3.9 4 | 1.0 6 | | $Cf^{252}$(Nu) | | 16 | JNE 21 157 | Feb67 | ANL | Meadows. |
| U235 | Prompt | 2.5 -2 | 2.5 -2 | | $Cf^{252}$(Nu) | Coincidences* | 1 | AAEC/E- 172 | Mar67 | AUA | Boldeman,J.W.+ |
| U235 | Prompt | 2.5 -2 | 2.5 -2 | | Absolute | Liquid Scint | 93 | AWRE/O/67- 43 | Jun67 | ALD | Maslin,E.E.+ |
| U235 | Prompt | 1.4 6 | 1.5 7 | | $Cf^{252}$(Nu) | * | 27 | EANDC/E- 89 221 | Feb68 | FR | Frehaut,J.+ |
| U235 | Prompt | 1.0 7 | 1.0 7 | | $Cf^{252}$(Nu) | Scint Tank * | 1 | 70HELSNK/II-139 | Jun70 | FOA | Conde,H.+ |
| U235 | Prompt | 6.7 7 | 6.7 7 | C | $Cf^{252}$(Nu) | Scint Tank * | 1 | 70HELSNK/II-139 | Jun70 | FOA | Conde,H.+ |
| U235 | Prompt | 2.5 -2 | 1.9 6 | | $Cf^{252}$(Nu) | Coincidences* | 15 | JNE 24 191 | Aug70 | AUA | Boldeman,J.W.+ |
| U235 | Delayed | 2.5 6 | 1.5 7 | | Ratio | | 8 | INDSWG- 64 24 | 64 | PEI | Maksyutenko,B.P. |
| U235 | Delayed | 5.0 6 | 7.8 6 | | Ratio | Proportion C | 28 | INDC-152 75 | Nov66 | PEI | Maksyutenko,B.P. |
| U235 | Delayed | 1.5 7 | 1.5 7 | | | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| U235 | Delayed | 3.1 6 | 3.1 6 | | σ(E≠E(th)) | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| U235 | Delayed | 2.5 -2 | 2.5 -2 | | Ratio | * | 1 | NSE 44 173 | May71 | BNL | Conant,J.P.+ |
| U235 | Unspecified | 2.5 -2 | 2.5 -2 | | | Activation | 1 | LA- 102 | Jun44 | LAS | Snyder. |
| U235 | Unspecified | 1.0 6 | 1.0 6 | | Ratio | Coincidences | 1 | AE 2 18 | 57 | CCP | Kalashnikova,V.I.+ |
| U235 | Unspecified | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NP 71 228 | Sep65 | HAR | Barnard,E.+ |
| U235 | Unspecified | 2.5 -2 | 2.5 -2 | | $Cf^{252}$(Nu) | CrystalScint | 1 | UCRL-50001-66-1A | May66 | LRL | Fultz. |
| U235 | Unspecified | 2.5 -2 | 2.5 -2 | | | ManganesBath | 1 | 66PARIS/I- 297 | Oct66 | ANL | De Volpi,A.+ |
| U235 | Unspecified | 1.5 6 | 3.3 6 | | $U^{235}$(n,f) | Coincidences | 7 | 66PARIS/II- 67 | Oct66 | OBN | Prokhorova. |
| U235 | Unspecified | 8.0 4 | 7.0 5 | | σ(E≠E(th)) | Fission Det | 7 | 66PARIS/II- 75 | Oct66 | OBN | Kuznetsov. |
| U235 | Unspecified | 3.7 5 | 2.1 6 | | | * | 21 | 67KANPUR-325 | Feb67 | TRM | Nadkarni,D.M.+ |
| U235 | Unspecified | 8.0 4 | 7.0 5 | | | Ion Chamber | 7 | AE 22 401 | May67 | OBN | Kuznetsov. |
| U235 | Unspecified | 8.0 4 | 9.9 5 | | | CrystalScint | 6 | AE 22 401 | May67 | OBN | Kuznetsov. |
| | MISC FISS QUANT | | | | | | | | | | |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | σ(Thermal) | Activation | 1 | LA- 102 | Jun44 | LAS | Snyder. |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | ReactivityCo | 1 | CF-3651 | Oct46 | ANL | Zinn. |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Ratio | Long Counter | 1 | CP-3651 | Oct46 | ANL | Zinn. |
| U235 | Neutron/Capture | 1.0 -2 | 1.2 0 | | Ratio | TimeOfFlight | 18 | 55MOSKVA- 87 | Jul55 | CCP | Nikitin. |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Boron | ReactivityCo | 1 | 55GENEVA/ 4-301 | Aug55 | CCP | Alichanow.+ |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | 55GENEVA/ 4-307 | Aug55 | HAR | Egelstaff.+ |
| U235 | Neutron/Capture | 1.4 -2 | 9.3 0 | | σ(E≠E(th)) | Hornyak Butn | 85 | PR 100 1266 | Nov55 | MTR | Smith. |
| U235 | Neutron/Capture | 1.4 2 | 3.0 4 | | Absolute | Shell Trans | 5 | AE 1 21 | 56 | CCP | Spivak. |
| U235 | Neutron/Capture | 1.0 -2 | 8.0 4 | | σ(Thermal) | Hornyak Butn | 21 | JNE 3 177 | 56 | BNL | Palevsky. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MISC FISS QUANT (CONTINUED) | | | | | | | | | | |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | | 1 | AERE/R-2140 | 57 | HAR | |
| U235 | Neutron/Capture | 2.4 4 | 8.8 5 | | | Shell Trans | 3 | AE 4 185 | 58 | CCP | Andreev. |
| U235 | Neutron/Capture | 6.0 -3 | 5.0 -2 | | σ(Thermal) | ModeratrTank | 8 | JNE 6 212 | 58 | HAR | Skarsgard. |
| U235 | Neutron/Capture | 1.4 7 | 1.4 7 | | | Shell Trans | 1 | AE 5 654 | Dec58 | CCP | Plerov,N.N.+ |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | NSE 5 225 | 59 | NBS | Muelhause. |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | ManganesBath | 1 | NSE 8 210 | 60 | ORL | |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | | 1 | NSE 12 364 | 62 | ORL | Gwin. |
| U235 | Neutron/Capture | 3.5 -2 | 1.1 1 | | σ(E≠E(th)) | TimeOfFlight | 736 | BROOKS 64C | Mar64 | HAR | Brooks. |
| U235 | Neutron/Capture | 3.7 -2 | 4.0 0 | S | σ(E≠E(th)) | TimeOfFlight | 203 | BROOKS 64C | Mar64 | HAR | Brooks. |
| U235 | Neutron/Capture | 2.4 4 | 2.4 4 | | | | 1 | AE 19 41 | 65 | OBN | Vankov. |
| U235 | Neutron/Capture | 3.5 -2 | 2.0 2 | | σ(E≠E(th)) | TimeOfFlight | 2425 | BROOKS 65F | Jun65 | HAR | Brooks. |
| U235 | Neutron/Capture | 2.0 2 | 2.0 2 | | σ(Thermal) | TimeOfFlight | 1 | BROOKS 65F | Jun65 | HAR | Brooks. |
| U235 | Neutron/Capture | 2.0 0 | 5.0 1 | | | TimeOfFlight | 49 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | BAP 10 1099 | Oct65 | MTR | Smith,J.R.+ |
| U235 | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | IDO-17140 30 | Mar66 | MTR | Pluharty,R.G.+ |
| U235 | Eta/Nu | 2.8 0 | 1.9 1 | | | | 19 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | | Mass Spec | 3 | LA- 512 | 46 | LAS | Williams. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | | Activation | 1 | LA- 512 | 46 | LAS | Williams. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | | Activation | 1 | LA- 511 | Mar46 | LAS | Deutsch. |
| U235 | Alpha | 2.5 -2 | 4.5 -1 | | | Hornyak Butn | 22 | HW-38202 41 | Jul55 | HAN | Leonard. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | 55GENEVA/ 4-315 | Aug55 | KAP | Kanne. |
| U235 | Alpha | 1.0 -1 | 9.3 0 | | σ(E≠E(th)) | Hornyak Butn | 84 | PR 100 1266 | Nov55 | MTR | Smith. |
| U235 | Alpha | 3.0 4 | 9.0 5 | | | Shell Trans | 5 | AE 1 21 | 56 | CCP | Spivak. |
| U235 | Alpha | 1.0 -2 | 1.7 -1 | | | Hornyak Butn | 20 | JNE 3 177 | 56 | BNL | Palevsky. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | S | | Activation | 1 | CRR-622 | May57 | CR | Hurst. |
| U235 | Alpha | 2.4 5 | 8.8 5 | | | | 2 | AE 4 185 | 58 | CCP | Andreev. |
| U235 | Alpha | 2.4 4 | 2.4 4 | | | Shell Trans | 1 | AE 4 185 | 58 | CCP | Andreev. |
| U235 | Alpha | 3.8 -3 | 4.9 -1 | | | TimeOfFlight | 28 | BOLLINGER 58 | 58 | ANL | Bollinger. |
| U235 | Alpha | 6.0 -3 | 5.0 -2 | | | ModeratrTank | 8 | JNE 6 212 | 58 | HAR | Skarsgard. |
| U235 | Alpha | 1.8 5 | 1.0 6 | | | Scint Tank | 9 | PR 109 144 | Jan58 | LAS | Diven. |
| U235 | Alpha | 1.8 5 | 1.0 6 | N | | Scint Tank | 9 | PR 109 144 | Jan58 | LAS | Diven. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | S | | | 1 | 58GENEVA/16- 83 | Sep58 | CR | Craig. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | S | | Activation | 1 | 58GENEVA/16- 83 | Sep58 | CR | Craig. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | S | Absolute | Mass Spec | 1 | 58GENEVA/16- 83 | Sep58 | CR | Craig. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | | | 2 | PR/P- 50 6 | Jun61 | CR | Hanna,G.C. |
| U235 | Alpha | 3.0 4 | 1.0 6 | | | Scint Tank | 9 | NSE 12 169 | 62 | LAS | Hopkins,J.C.+ |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 2 | PR/P- 53 6 | Mar62 | CR | Hart,R.G.+ |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | σ(Thermal) | Mass Spec | 1 | EANDC/CAN-17 4 | Oct63 | CR | Crocker. |
| U235 | Alpha | 1.2 4 | 6.9 5 | | | TimeOfFlight | 26 | NSE 20 80 | 64 | ORL | Weston. |
| U235 | Alpha | 3.2 -2 | 2.0 1 | S | | | 505 | AE 16 110 | Feb64 | ITE | Ignatiev,K.G.+ |
| U235 | Alpha | 1.8 0 | 1.1 1 | | | TimeOfFlight | 733 | BROOKS 64C | Mar64 | HAR | Brooks. |
| U235 | Alpha | 3.5 -2 | 3.0 1 | S | | TimeOfFlight | 964 | BROOKS 64C | Mar64 | HAR | Brooks. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | | | 1 | AECL-1965 | Apr64 | CR | Okazaki. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | AECL-1965 | Apr64 | CR | Okazaki. |
| U235 | Alpha | 2.4 4 | 2.4 4 | | | | 1 | AE 19 41 | 65 | OBN | Vankov. |
| U235 | Alpha | 3.5 -2 | 2.0 2 | | | TimeOfFlight | 2424 | BROOKS 65F | Jun65 | HAR | Brooks. |
| U235 | Alpha | 2.0 0 | 5.0 1 | | | TimeOfFlight | 50 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | Alpha | 2.4 1 | 2.5 1 | | | Scint Tank | 23 | NSE 23 45 | Sep65 | RPI | De Saussure. |
| U235 | Alpha | 3.2 0 | 2.5 1 | S | | Scint Tank | 856 | NSE 23 45 | Sep65 | RPI | De Saussure. |
| U235 | Alpha | 3.2 0 | 1.4 3 | S | Absolute | Scint Tank | 20 | NSE 23 45 | Sep65 | RPI | De Saussure. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | 66PARIS/II- 3 | Oct66 | HAR | Cabell,M.J. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 66PARIS/II- 17 | Oct66 | CR | Durham,R.W.+ |
| U235 | Alpha | 1.8 4 | 6.0 5 | | | Scint Tank | 41 | 66PARIS/II-233 | Oct66 | RPI | De Saussure. |
| U235 | Alpha | 2.5 -2 | 2.5 -2 | | | | 1 | IN-1064 | Mar67 | MTR | Foster Jr,R.E.+ |
| U235 | Alpha | 5.0 -1 | 5.0 -1 | | | Pile Oscilat | 1 | NSE 31 247 | Feb68 | ANL | Redman. |
| U235 | Alpha | 1.5 2 | 1.1 4 | | σ(E≠E(th)) | TimeOfFlight | 19 | UCID-15458 | Mar69 | LRL | Czirr. |
| U235 | Alpha | 9.0 3 | 6.0 4 | | | TimeOfFlight* | 21 | NSE PREPR.71L | Dec71 | KFK | Bandl,R.-E.+ |
| U235 | Alpha + 1 | 1.1 -3 | 1.1 -3 | | Absolute | Fission Det | 1 | JNE 6 285 | Mar58 | HAR | Cocking,S.J. |
| U235 | Alpha + 1 | 2.9 -3 | 2.9 -3 | | | Crystal Spec | 1 | PR 113 1285 | Mar59 | COL | Safford. |
| U235 | σ(Capt+Fiss) | 2.4 4 | 8.8 5 | | | Shell Trans | 3 | AE 4 185 | 58 | CCP | Andreev. |
| U235 | σ(Capt+Fiss) | 1.7 5 | 1.0 6 | | | | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| U235 | σ(Capt+Fiss) | 2.4 4 | 2.4 4 | | | | 1 | AE 19 41 | 65 | OBN | Vankov. |
| U235 | Binary/Ternary | 8.8 0 | 2.1 1 | | | Solidstate C* | 4 | DERUYTTER 71A | Jan71 | GEL | Deruytter,A.J.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | CF-3651 | Oct46 | ANL | Zinn. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | CU- 115 | Feb53 | COL | Melkonian. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | S | | TimeOfFlight | 1 | JNE 1 92 | 54 | HAR | Egelstaff. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | PR 94 1088 | May54 | BNL | Palevsky. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| U235 | Sigma | 4.4 3 | 4.9 4 | | U238(n,f) | Shell Trans | 6 | ORNL-2022 | Feb56 | ORL | Macklin. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE 8 112 | 60 | ORL | Block. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE 11 312 | 61 | ANL | Saplakoglu. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | AE 13 368 | Oct62 | CCP | Gerasimov. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | AE 13 368 | Oct62 | CCP | Gerasimov. |
| U235 | Sigma | 2.3 -2 | 2.3 0 | | | TimeOfFlight | 130 | AE 13 368 | Oct62 | KUR | Gerasimov. |
| U235 | σ*Sqrt(E) | 2.9 -3 | 2.9 -3 | | | Crystal Spec | 1 | NSE 6 433 | Aug59 | COL | Safford. |
| | NONELASTIC SCATT | | | | | | | | | | |
| U235 | Sigma | 4.0 6 | 4.5 6 | | | Shell Trans | 2 | LA-1939 | Aug55 | LAS | Bethe. |
| U235 | Sigma | 5.0 5 | 1.0 6 | | | Total | 2 | PR 104 731 | Nov56 | LAS | Allen. |
| U235 | Sigma | 1.0 6 | 2.5 6 | | Absolute | Shell Trans | 2 | PR 104 1319 | Dec56 | LAS | Beyster,J.R.+ |
| U235 | Sigma | 2.5 5 | 1.0 6 | | Absolute | Shell Trans | 4 | NSE 2 787 | 57 | LAS | Allen. |
| U235 | Sigma | 9.5 5 | 9.5 5 | | | Threshold C | 1 | SPN- 211 | 61 | CCP | Andreev,V.N. |
| U235 | Sigma | 1.3 7 | 1.9 7 | | Absolute | Shell Trans | 4 | AE 11 397 | Oct61 | CCP | Degtyarev. |
| U235 | Sigma | 8.1 6 | 1.4 7 | | Absolute | Shell Trans | 3 | PR 130 1471 | May63 | LRL | Macgregor,M.H.+ |
| U235 | Sigma | 8.1 6 | 8.1 6 | | | Shell Trans | 1 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| U235 | Ang Distrib | 1.4 7 | 1.4 7 | | Absolute | TimeOfFlight* | 11 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| U235 | Spectrum | 2.0 6 | 4.0 6 | | H(n,n) | TimeOfFlight* | 60 | AWRE/O/69- 55 | Aug69 | ALD | Batchelor,R.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| U235 | Sigma | 2.5 5 | 7.7 6 | | Absolute | Ion Chamber | 60 | LA-1493 | Nov52 | LAS | Henkel,R.L. |
| U235 | Sigma | 4.0 4 | 1.5 5 | | Absolute | Long Counter | 8 | LA-1493 | Nov52 | LAS | Henkel,R.L. |
| U235 | Sigma | 1.8 7 | 2.1 7 | | Absolute | CrystalScint | 3 | LA-1493 | Nov52 | LAS | Henkel,R.L. |
| U235 | Sigma | 6.5 2 | 1.5 5 | | Absolute | Accelerator | 134 | ANL-5175 | 53 | ANL | Hibdon,C.T.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | |
| U235 | Sigma | 1.2 0 | 2.5 1 | | Absolute | TimeOfFlight | 76 | BNL- 222 | Feb53 | BNL | Palevsky. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | CU- 115 | Feb53 | COL | Melkonian. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | PR 94 1088 | May54 | BNL | Palevsky. |
| U235 | Sigma | 1.1 -1 | 1.1 -1 | | Absolute | TimeOfFlight | 1 | PALEVSKY 54J | Oct54 | BNL | Palevsky. |
| U235 | Sigma | 4.7 -3 | 1.9 -1 | | Absolute | Crystal Spec | 59 | LEONARD 55F | Jun55 | HAN | Leonard. |
| U235 | Sigma | 1.7 -3 | 1.6 -1 | | Absolute | TimeOfFlight | 55 | PALEVSKY 55P | Jun55 | BNL | Palevsky. |
| U235 | Sigma | 5.7 -3 | 1.9 -1 | | | Crystal Spec | 41 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| U235 | Sigma | 1.0 -2 | 8.6 1 | | Absolute | TimeOfFlight | 133 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| U235 | Sigma | 1.5 1 | 1.8 1 | | | TimeOfFlight | 16 | PR 103 971 | Aug56 | MTR | Simpson. |
| U235 | Sigma | 1.8 1 | 9.9 1 | | Absolute | TimeOfFlight | 347 | PR 103 971 | Aug56 | MTR | Simpson. |
| U235 | Sigma | 4.5 0 | 3.6 1 | | Absolute | TimeOfFlight | 221 | PR 103 1342 | Sep56 | BNL | Pilcher. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | AERE/R-2104 | Mar57 | HAR | |
| U235 | Sigma | 2.6 7 | 2.6 7 | S | Absolute | Biased Scint | 1 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| U235 | Sigma | 1.2 -2 | 4.8 4 | | Absolute | TimeOfFlight | 223 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Sigma | 2.1 2 | 7.9 3 | | Absolute | TimeOfFlight | 194 | YEATER 58B | Feb58 | KAP | Yeater. |
| U235 | Sigma | 2.5 -3 | 1.0 -1 | | σ(E≠E(th)) | Crystal Spec | 11 | HW-55879 3 | Apr58 | HAN | Seppi. |
| U235 | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| U235 | Sigma | 8.8 -2 | 1.0 1 | | Absolute | Crystal Spec | 461 | PR 112 191 | Oct58 | BNL | Shore. |
| U235 | Sigma | 8.2 -4 | 8.2 -2 | | Absolute | Crystal Spec | 31 | NSE 6 433 | Aug59 | COL | Safford. |
| U235 | Sigma | 1.9 -2 | 1.6 -1 | S | | TimeOfFlight | 21 | HARVEY 59L | Dec59 | ORL | Harvey. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NSE 7 187 | 60 | MTR | Simpson. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | | Crystal Spec | 1 | NSE 8 112 | 60 | HAN | Block. |
| U235 | Sigma | 1.8 -2 | 1.6 -1 | | Absolute | TimeOfFlight | 50 | NSE 8 112 | 60 | ORL | Block. |
| U235 | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| U235 | Sigma | 4.6 -3 | 5.6 -1 | | | TimeOfFlight | 31 | NSE 11 312 | 61 | ANL | Saplakoglu. |
| U235 | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | NSE 11 312 | 61 | ANL | Saplakoglu. |
| U235 | Sigma | 1.9 6 | 8.0 6 | | Absolute | TimeOfFlight | 16 | SPN- 191 | 61 | CCP | Averchenkov,V.Y.+ |
| U235 | Sigma | 2.3 -2 | 2.3 0 | | | TimeOfFlight | 130 | AE 13 368 | Oct62 | KUR | Gerasimov. |
| U235 | Sigma | 3.5 -2 | 3.5 -2 | | | TimeOfFlight | 1 | BROOKS 64C | Mar64 | HAR | Brooks. |
| U235 | Sigma | 1.9 -1 | 1.1 1 | | Absolute | TimeOfFlight | 735 | BROOKS 64C | Mar64 | HAR | Brooks. |
| U235 | Sigma | 3.7 -2 | 1.0 2 | S | Absolute | TimeOfFlight | 1497 | BROOKS 64C | Mar64 | HAR | Brooks. |
| U235 | Sigma | 2.7 2 | 7.6 4 | | | TimeOfFlight | 487 | UTTLEY 64D | Apr64 | HAR | Uttley. |
| U235 | Sigma | 1.3 0 | 7.2 2 | | | TimeOfFlight | 6776 | CEA/R-2552 | May64 | SAC | Michaudon,A.+ |
| U235 | Sigma | 1.7 1 | 3.5 2 | | | TimeOfFlight | 5810 | GARG 64L | Dec64 | COL | Garg,J.B. |
| U235 | Sigma | 1.7 1 | 1.9 2 | | Absolute | TimeOfFlight | 9 | GARG 64L | Dec64 | COL | Garg,J.B. |
| U235 | Sigma | 3.5 -2 | 2.0 2 | | Absolute | TimeOfFlight | 2425 | BROOKS 65P | Jun65 | HAR | Brooks. |
| U235 | Sigma | 8.1 5 | 1.5 6 | | Absolute | Accelerator | 69 | ANL-7110 15 | Dec65 | ANL | Smith. |
| U235 | Sigma | 2.0 5 | 1.3 8 | | Absolute | TimeOfFlight | 1900 | LANGSFORD 66A | Jan66 | HAR | Langsford,A.+ |
| U235 | Sigma | 7.2 2 | 1.0 4 | | | TimeOfFlight | 3982 | DERRIEN 66I | Sep66 | SAC | Derrien,H. |
| U235 | Sigma | 7.2 2 | 1.0 4 | | Absolute | TimeOfFlight | 3982 | DERRIEN 66I | Sep66 | SAC | Derrien,H. |
| U235 | Sigma | 1.5 2 | 9.5 5 | | Absolute | TimeOfFlight | 57 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| U235 | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 486 | FOSTER 67E | May67 | BNW | Foster. |
| U235 | Sigma | 1.1 5 | 6.0 6 | | Absolute | CrystalScint* | 388 | 70HELSNK/II- 31 | Jun70 | BRC | Cabe,J.+ |
| U235 | Sigma | 5.8 3 | 2.7 5 | | σ(E≠E(th)) | TimeOfFlight | 4096 | BOCKHOF 71E | May71 | GEL | Bockhof. |
| U235 | σ*Sqrt(E) | 8.2 -4 | 8.2 -2 | | | Crystal Spec | 31 | NSE 6 433 | Aug59 | COL | Safford. |
| U235 | σ*Sqrt(E) | 2.1 -2 | 8.0 -2 | | Absolute | TimeOfFlight | 115 | NSE 7 187 | 60 | MTR | Simpson. |
| | γ-WIDTH | | | | | | | | | | |
| U235 | Γ(γ) | 2.9 -1 | 4.8 0 | | | AreaAnalysis | 4 | PR 103 1342 | Sep56 | BNL | Pilcher. |
| U235 | Γ(γ) | 2.9 -1 | 1.9 1 | | | AreaAnalysis | 14 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | Γ(γ) | 2.9 -1 | 1.1 0 | | | Shape Analys | 2 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ(γ) | 2.8 -1 | 8.8 0 | | | Crystal Spec | 6 | PR 112 191 | Oct58 | BNL | Shore. |
| U235 | Γ(γ) | 2.7 -1 | 3.2 0 | | | MultiLvl Fit | 4 | PR 118 724 | May60 | CR | Vogt. |
| U235 | Γ(γ) | 3.0 -1 | 3.6 0 | | | Interference | 5 | AE 16 211 | 64 | CCP | Kirpichnikov. |
| U235 | Γ(γ) | 3.0 -1 | 3.6 0 | | | Interference | 5 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| U235 | Γ(γ) | 2.8 -1 | 3.2 1 | | | TimeOfFlight | 25 | 65SALZB/I- 287 | Mar65 | DUB | Wang,Sh.-T.+ |
| U235 | Γ(γ) | 2.0 0 | 5.0 1 | | | TimeOfFlight | 39 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | Γ(γ) | 6.4 0 | 1.5 2 | | | Shape Analys | 78 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| U235 | Γ(γ)σ(0) | 2.8 -1 | 5.0 1 | | | TimeOfFlight | 76 | 65SALZB/I- 287 | Mar65 | DUB | Wang,Sh.-T.+ |
| U235 | aΓ(γ)/Γ(f) | 6.4 0 | 1.5 2 | | | Shape Analys | 78 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| | n-WIDTH | | | | | | | | | | |
| U235 | Γ(n) | 6.4 0 | 8.9 0 | | | Shape Analys | 3 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ(n) | 1.4 2 | 1.4 2 | | | TimeOfFlight | 1 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | Γ(n) | 6.4 0 | 1.5 2 | | | Shape Analys | 78 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| U235 | 2gΓ(n) | 2.9 -1 | 3.5 1 | | | AreaAnalysis | 47 | PR 103 1342 | Sep56 | BNL | Pilcher. |
| U235 | 2gΓ(n) | 3.6 0 | 3.5 1 | | | AreaAnalysis | 35 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | 2gΓ(n) | 5.8 0 | 3.0 1 | | Absolute | AreaAnalysis | 6 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | 2gΓ(n) | 2.0 0 | 3.7 0 | | | AreaAnalysis | 3 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | 2gΓ(n) | 2.9 -1 | 1.1 0 | | | Shape Analys | 2 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | 2gΓ(n) | 2.8 -1 | 5.0 1 | | | TimeOfFlight | 78 | 65SALZB/I- 287 | Mar65 | DUB | Wang,Sh.-T.+ |
| U235 | 2gΓ(n) | 2.0 0 | 1.5 2 | | | TimeOfFlight | 187 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | 2gΓ(n) | 8.8 0 | 5.6 1 | | Lead | TimeOfFlight* | 11 | 70HELSNK/I- 449 | Jun70 | GEL | Poortmans,F.+ |
| U235 | Γ(n,l=0) | 9.2 0 | 6.1 1 | | | AreaAnalysis | 41 | PR 103 971 | Aug56 | MTR | Simpson. |
| U235 | Γ(n,l=0) | 6.4 0 | 8.9 0 | | | Shape Analys | 3 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ(n,l=0) | 6.2 0 | 4.7 1 | | | AreaAnalysis | 36 | PR 116 1538 | Dec59 | COL | Havens. |
| U235 | Γ(n,l=0) | 1.7 1 | 7.1 1 | | | AreaAnalysis | 80 | NP A126 471 | Mar69 | LAS | Cramer. |
| U235 | 2gΓ(n,l=0) | 9.2 0 | 6.1 1 | | | AreaAnalysis | 41 | PR 103 971 | Aug56 | MTR | Simpson. |
| U235 | 2gΓ(n,l=0) | 2.9 -1 | 3.5 1 | | | AreaAnalysis | 45 | PR 103 1342 | Sep56 | BNL | Pilcher. |
| U235 | 2gΓ(n,l=0) | 3.6 0 | 3.5 1 | | | AreaAnalysis | 36 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | 2gΓ(n,l=0) | 6.1 0 | 3.1 1 | | Absolute | AreaAnalysis | 5 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | 2gΓ(n,l=0) | 2.0 0 | 3.7 0 | | | AreaAnalysis | 3 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | 2gΓ(n,l=0) | 2.9 -1 | 1.1 0 | | | Shape Analys | 2 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | 2gΓ(n,l=0) | 2.8 -1 | 8.8 0 | | | Crystal Spec | 7 | PR 112 191 | Oct58 | BNL | Shore. |
| U235 | 2gΓ(n,l=0) | 2.7 -1 | 3.2 0 | | | MultiLvl Fit | 4 | PR 118 724 | May60 | CR | Vogt. |
| U235 | 2gΓ(n,l=0) | 2.8 -1 | 5.0 1 | | | TimeOfFlight | 78 | 65SALZB/I- 287 | Mar65 | DUB | Wang,Sh.-T.+ |
| U235 | 2gΓ(n,l=0) | 2.0 0 | 1.5 2 | | | TimeOfFlight | 167 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | 2gΓ²(n)/Γ | 8.8 0 | 1.2 1 | | Ratio | Crystal Spec | 2 | 66PARIS/II-211 | Oct66 | MOL | Poortmans,F.+ |
| | FISSION WIDTH | | | | | | | | | | |
| U235 | Γ(Fiss) | 1.2 1 | 3.5 1 | | | AreaAnalysis | 7 | PR 103 971 | Aug56 | MTR | Simpson. |
| U235 | Γ(Fiss) | 2.9 -1 | 1.9 1 | | | AreaAnalysis | 11 | PR 103 1342 | Sep56 | BNL | Pilcher. |
| U235 | Γ(Fiss) | 2.9 -1 | 1.9 1 | | | AreaAnalysis | 14 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | Γ(Fiss) | 2.0 0 | 3.7 0 | | | AreaAnalysis | 3 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ(Fiss) | 2.9 -1 | 8.9 0 | | | Shape Analys | 3 | NSE 3 435 | 58 | COL | Melkonian. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION WIDTH (CONTINUED) | | | | | | | | | | | | |
| U235 | Γ(Fiss) | 2.8 | -1 | 6.4 | 0 | | | Crystal Spec | 6 | PR 112 191 | Oct58 | BNL | Shore. |
| U235 | Γ(Fiss) | 6.1 | 0 | 2.4 | 1 | | | TimeOfFlight | 11 | NRDC-117 | 59 | HAR | Kavanagh,T.M. |
| U235 | Γ(Fiss) | 6.1 | 0 | 4.8 | 1 | | | Selfindicatn | 39 | NRDC-123 | 59 | HAR | Brooks. |
| U235 | Γ(Fiss) | 6.4 | 0 | 4.7 | 1 | | | AreaAnalysis | 31 | PR 116 1538 | Dec59 | COL | Havens. |
| U235 | Γ(Fiss) | 2.7 | -1 | 3.2 | 0 | | | MultiLvl Fit | 4 | PR 118 724 | May60 | CR | Vogt. |
| U235 | Γ(Fiss) | 4.8 | 0 | 3.9 | 1 | | | AreaAnalysis | 35 | PR 130 1482 | May63 | LRL | Bowman. |
| U235 | Γ(Fiss) | 3.0 | -1 | 6.2 | 0 | | | Interference | 8 | AE 16 211 | 64 | CCP | Kirpichnikov. |
| U235 | Γ(Fiss) | 2.0 | 0 | 2.0 | 0 | | | | 1 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| U235 | Γ(Fiss) | 3.0 | -1 | 7.1 | 0 | | | Interference | 11 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| U235 | Γ(Fiss) | 8.8 | 0 | 1.9 | 1 | | | TimeOfFlight | 14 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| U235 | Γ(Fiss) | 2.8 | -1 | 5.0 | 1 | | | TimeOfFlight | 78 | 65SALZB/I- 287 | Mar65 | DUB | Wang,Sh.-T.+ |
| U235 | Γ(Fiss) | 2.0 | 0 | 5.0 | 1 | | | TimeOfFlight | 39 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | Γ(Fiss) | 6.4 | 0 | 1.5 | 2 | | | Shape Analys | 78 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| U235 | Γ(Fiss) | 1.7 | 1 | 7.1 | 1 | | | AreaAnalysis | 80 | NP A126 471 | Mar69 | LAS | Cramer. |
| U235 | Γ(Fiss)σ(0) | 3.0 | -1 | 1.9 | 1 | | | AreaAnalysis | 7 | JNE 2 128 | 55 | HAR | Price. |
| U235 | Γ(Fiss)σ(0) | 8.8 | 0 | 1.9 | 1 | | | AreaAnalysis | 4 | PR 104 479 | Oct56 | KAP | Yeater. |
| U235 | Γ(Fiss)σ(0) | 2.9 | -1 | 1.9 | 1 | | | AreaAnalysis | 14 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | Γ(Fiss)σ(0) | 3.2 | 0 | 3.7 | 0 | | | AreaAnalysis | 2 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ(Fiss)σ(0) | 2.9 | -1 | 8.9 | 0 | | | Shape Analys | 5 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ(Fiss)σ(0) | 6.2 | 0 | 4.7 | 1 | | | AreaAnalysis | 33 | PR 116 1538 | Dec59 | COL | Havens. |
| U235 | Γ(Fiss)σ(0) | 5.0 | 1 | 8.9 | 1 | | | AreaAnalysis | 33 | JPR 21 429 | May60 | SAC | Nifenecker. |
| U235 | Γ(Fiss)σ(0) | 8.8 | 0 | 5.0 | 1 | S | | AreaAnalysis | 55 | JPR 21 429 | May60 | SAC | Nifenecker. |
| U235 | Γ(Fiss)σ(0) | 4.8 | 0 | 3.9 | 1 | S | | AreaAnalysis | 42 | PR 130 1482 | May63 | LRL | Bowman. |
| U235 | Γ(Fiss)σ(0) | 2.8 | -1 | 5.0 | 1 | | | TimeOfFlight | 76 | 65SALZB/I- 287 | Mar65 | DUB | Wang,Sh.-T.+ |
| U235 | Γ(Fiss)σ(0) | 2.0 | 0 | 5.0 | 1 | | | TimeOfFlight | 54 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | Γ(Fiss)σ(0) | 6.4 | 0 | 1.5 | 2 | | | Shape Analys | 78 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| U235 | Γ(Fiss)σ(0)/Γ | 1.1 | 0 | 3.4 | 1 | | | AreaAnalysis | 16 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U235 | <Γ(f)> | 5.0 | 1 | 1.5 | 2 | | Lead | Shape Analys | 3 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| U235 | Γ | 3.0 | -1 | 3.5 | 0 | | | AreaAnalysis | 3 | JNE 2 128 | 55 | HAR | Price. |
| U235 | Γ | 3.0 | -1 | 3.0 | -1 | | | Shape Analys | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U235 | Γ | 2.9 | -1 | 1.9 | 1 | | | AreaAnalysis | 12 | PR 103 1342 | Sep56 | BNL | Pilcher. |
| U235 | Γ | 3.6 | 0 | 3.5 | 1 | | | AreaAnalysis | 12 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | Γ | 2.9 | -1 | 1.9 | 1 | | Absolute | AreaAnalysis | 15 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | Γ | 2.0 | 0 | 3.7 | 0 | | | AreaAnalysis | 3 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ | 2.9 | -1 | 8.9 | 0 | | | Shape Analys | 3 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ | 2.8 | -1 | 8.8 | 0 | | | Crystal Spec | 7 | PR 112 191 | Oct58 | BNL | Shore. |
| U235 | Γ | 3.0 | -1 | 6.2 | 0 | | | Interference | 8 | AE 16 211 | 64 | CCP | Kirpichnikov. |
| U235 | Γ | 2.8 | -1 | 5.0 | 1 | | | TimeOfFlight | 78 | 65SALZB/I- 287 | Mar65 | DUB | Wang,Sh.-T.+ |
| U235 | Γ | 2.0 | 0 | 5.0 | 1 | | | TimeOfFlight | 39 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | Γ | 6.4 | 0 | 1.5 | 2 | | | Shape Analys | 78 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| U235 | Γ | 8.8 | 0 | 5.6 | 1 | | | TimeOfFlight* | 10 | 70HELSNK/I- 449 | Jun70 | GEL | Poortmans,P.+ |
| U235 | Γσ(0) | 2.9 | -1 | 1.9 | 1 | | Absolute | AreaAnalysis | 15 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | Γσ(0) | 2.8 | -1 | 2.3 | 1 | | | TimeOfFlight | 23 | 65SALZB/I- 287 | Mar65 | DUB | Wang,Sh.-T.+ |
| U235 | Γσ(0) | 2.0 | 0 | 5.0 | 1 | | | TimeOfFlight | 68 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | Γ²σ(0) | 5.1 | 0 | 2.0 | 1 | | | TimeOfFlight | 5 | 55MOSKVA- 87 | Jul55 | CCP | Nikitin. |
| U235 | Γ²σ(0) | 2.0 | 0 | 2.0 | 0 | | | AreaAnalysis | 1 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ²σ(0) | 8.9 | 0 | 8.9 | 0 | | | Shape Analys | 1 | NSE 3 435 | 58 | COL | Melkonian. |
| U235 | Γ²σ(0) | 7.1 | 1 | 7.2 | 1 | | | TimeOfFlight | 2 | AE 19 43 | 65 | DUB | Van Shi Di. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| U235 | Resonance Energy | 2.0 | 0 | 3.1 | 0 | | | AreaAnalysis | 2 | JNE 2 128 | 55 | HAR | Price. |
| U235 | Resonance Energy | 2.5 | 1 | 3.4 | 1 | | | TimeOfFlight | 2 | JNE 2 128 | 55 | HAR | Price. |
| U235 | Resonance Energy | 1.4 | 1 | 9.0 | 1 | | | Accelerator | 4 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U235 | Resonance Energy | 3.0 | -1 | 3.4 | 1 | | | TimeOfFlight | 13 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| U235 | Resonance Energy | 5.0 | 1 | 6.0 | 1 | | | | 12 | PR 116 1538 | Dec59 | COL | Havens. |
| U235 | Resonance Energy | 1.3 | 1 | 6.4 | 1 | | | AreaAnalysis | 23 | PR 116 1538 | Dec59 | COL | Havens. |
| U235 | Resonance Energy | 1.1 | 1 | 9.6 | 1 | | | TimeOfFlight | 10 | JPR 21 429 | May60 | SAC | Nifenecker. |
| U235 | Resonance Energy | 5.5 | 0 | 3.3 | 1 | | | TimeOfFlight | 7 | PR 130 1482 | May63 | LRL | Bowman. |
| U235 | Resonance Energy | 1.8 | 1 | 3.0 | 2 | | | TimeOfFlight | 269 | GARG 64 | 64 | COL | Garg,J.B.+ |
| U235 | Resonance Energy | 6.4 | 0 | 1.5 | 2 | | | Shape Analys | 78 | 68WASH- 481 | Mar68 | GEL | Cao,M.G.+ |
| U235 | Resonance Energy | 8.8 | 0 | 5.6 | 1 | | | TimeOfFlight* | 17 | 70HELSNK/I- 449 | Jun70 | GEL | Poortmans,P.+ |
| U235 | Resonance Energy | 1.9 | 1 | 6.1 | 1 | | | * | 38 | PR C 2 615 | Aug70 | LAS | Cowan,G.A.+ |
| U235 | σ(0) | 3.0 | -1 | 3.0 | -1 | | | Shape Analys | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U235 | σ(0) | 1.2 | 1 | 3.5 | 1 | | | AreaAnalysis | 2 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | σ(0) | 3.6 | 0 | 1.9 | 1 | | Absolute | AreaAnalysis | 9 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| U235 | Spin of Reson | 2.7 | -1 | 1.1 | 6 | | | Polar T or B | 2 | PR 167 1121 | Mar68 | BNL | Schermer,R.I.+ |
| U235 | Spin of Reson | 6.4 | 0 | 3.9 | 1 | | | * | 18 | NP A134 535 | Sep69 | GEL | Weigmann,H.+ |
| U235 | Spin of Reson | 8.8 | 0 | 5.6 | 1 | | | TimeOfFlight* | 14 | 70HELSNK/I- 449 | Jun70 | GEL | Poortmans,P.+ |
| U235 | Spin of Reson | 1.9 | 1 | 6.1 | 1 | | | * | 38 | PR C 2 615 | Aug70 | LAS | Cowan,G.A.+ |
| U235 | Stat Weight Fact | 8.8 | 0 | 1.2 | 1 | | Ratio | Crystal Spec | 2 | 66PARIS/II-211 | Oct66 | MOL | Poortmans,P.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| U235 | Strength Fn(l=0) | 1.0 | 5 | 1.0 | 5 | | | Transmission | 1 | 64PARIS/II- 700 | Jul64 | HAR | Uttley,C.A. |
| U235 | Strength Fn(l=0) | 1.5 | 4 | 1.5 | 4 | | | | 1 | P-2068 | Mar65 | DUB | |
| U235 | Strength Fn(l=0) | 5.0 | 1 | 5.0 | 1 | | | | 1 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| U235 | Strength Fn(l=1) | 1.0 | 5 | 1.0 | 5 | | | Transmission | 1 | 64PARIS/II- 700 | Jul64 | HAR | Uttley,C.A. |
| U235 | Strength Fn(l=1) | 1.5 | 4 | 1.5 | 4 | | | | 1 | P-2068 | Mar65 | DUB | |
| U235 | Strength Fn(l=1) | 1.0 | 6 | 1.0 | 6 | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| U235 | Strength Fn(l=2) | 1.0 | 6 | 1.0 | 6 | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| U235 | Level Spacing | 3.0 | 1 | 3.0 | 1 | | | AreaAnalysis | 1 | PR 103 971 | Aug56 | NTR | Simpson. |
| U235 | Lvl Spacing(l=0) | 5.0 | 1 | 5.0 | 1 | | | | 1 | NP 69 545 | Jul65 | SAC | Michaudon,A.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | ANL-4490 5 | Jun50 | ANL | Fields. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | ANL-4490 9 | Jun50 | ANL | Diamond. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 1 | CP/51/12-151 | Dec51 | ORL | Pomerance. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 1 | CP/51/12-151 | Dec51 | ORL | Pomerance. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | ANL-4873 9 | Apr52 | ANL | Huizenga. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 1 | CR 241 392 | 55 | SAC | Auclair. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | N | $Co^{59}$ | Activation | 1 | CR 241 392 | 55 | SAC | Auclair. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | AE 1 130 5 | 56 | CCP | Efimov,B.V.+ |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | NSE 3 395 | 58 | ORL | Halperin. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | $Co^{59}$ | Activation | 2 | JNE 7 81 | Aug58 | CR | Cabell,M.J.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | | |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | 58GENEVA/16- 64 | Sep58 | ORL | Halperin.+ |
| U236 | Sigma | 3.0 | 5 | 1.7 | 6 | | U235(n,f) | Activation | 8 | JNE 15 200 | 61 | ANL | Stupegia. |
| U236 | Sigma | 3.0 | 5 | 4.6 | 5 | S | U235(n,f) | Activation | 2 | JNE 15 200 | 61 | ANL | Stupegia. |
| U236 | Sigma | 3.6 | 5 | 4.0 | 6 | | U235(n,f) | Activation | 14 | PPS 78 801 | 61 | ALD | Barry,J.F.+ |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | S | Au(n,γ) | Activation | 1 | WASH-1041 37 | Oct62 | MTR | Berreth. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | SCHUMAN 64L | Dec64 | MTR | Schuman. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | NSE 32 265 | May68 | SRL | Baumann. |
| U236 | Sigma | 1.1 | -2 | 2.0 | 4 | | | TimeOfFlight | 58 | GA-9057 | Oct68 | GA | Carlson. |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | Co59 | Mass Spec * | 2 | AERE/R-6761 | Mar71 | HAR | Cabell,M.J.+ |
| U236 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Co59 | Activation | 1 | JNE 7 81 | Aug58 | CR | Cabell,M.J.+ |
| U236 | Reson Integral | 5.0 | -1 | 5.0 | -1 | N | Co59 | Activation | 1 | JNE 7 81 | Aug58 | CR | Cabell,M.J.+ |
| U236 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 1 | 58GENEVA/16- 64 | Sep58 | ORL | Halperin.+ |
| U236 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 1 | WASH-1041 37 | Oct62 | MTR | Berreth. |
| U236 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 1 | NSE 32 265 | May68 | SRL | Baumann. |
| U236 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | | 1 | GA-9057 | Oct68 | GA | Carlson. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| | FISSION CROSS SECT | | | | | | | | | | | | |
| U236 | Sigma | 3.1 | 5 | 4.0 | 6 | | U235(n,f) | Back-to-Back | 101 | PR 104 1654 | Dec56 | ORL | Lamphere. |
| U236 | Sigma | 1.3 | 5 | 5.0 | 5 | | U235(n,f) | Back-to-Back | 3 | 65SALZB/I- 219 | Mar65 | ALD | White,P.H.+ |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | * | 6 | AEEW/R- 526 | Jun67 | WIN | Stevenson,J.M.+ |
| U236 | Sigma | 1.0 | 6 | 1.4 | 7 | | Ratio | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| U236 | Sigma | 1.0 | 6 | 1.4 | 7 | N | U235(n,f) | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| U236 | Sigma | 1.0 | 6 | 5.0 | 6 | | Ratio | TimeOfFlight | 16 | 68WASH- 627 | Mar68 | LAS | Stein. |
| | NU-BAR | | | | | | | | | | | | |
| U236 | Prompt | 0.0 | | 6.7 | 6 | | Cf252(Nu) | Liquid Scint* | 22 | CONDE 71B | Feb71 | FOA | Conde,H.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| U236 | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| U236 | Sigma | 1.0 | -2 | 1.7 | 1 | | Absolute | TimeOfFlight | 54 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| | γ-WIDTH | | | | | | | | | | | | |
| U236 | Γ(γ) | 5.5 | 0 | 5.5 | 0 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U236 | Γ(γ) | 5.5 | 0 | 5.5 | 0 | | Au(n,γ) | Int Measured | 1 | NSE 32 265 | May68 | SRL | Baumann. |
| U236 | Γ(γ) | 5.4 | 0 | 3.8 | 2 | | | AreaAnalysis | 12 | GA-9057 | Oct68 | GA | Carlson. |
| | n-WIDTH | | | | | | | | | | | | |
| U236 | Γ(n) | 5.5 | 0 | 5.5 | 0 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U236 | Γ(n) | 5.5 | 0 | 3.8 | 2 | | | AreaAnalysis | 13 | PR 109 471 | Jan58 | BNL | Harvey. |
| U236 | Γ(n) | 5.5 | 0 | 5.5 | 0 | | Au(n,γ) | Int Measured | 1 | NSE 32 265 | May68 | SRL | Baumann. |
| U236 | Γ(n) | 5.4 | 0 | 4.1 | 2 | | | AreaAnalysis | 28 | GA-9057 | Oct68 | GA | Carlson. |
| U236 | Γ(n,l=0) | 5.5 | 0 | 5.5 | 0 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U236 | Γ(n,l=0) | 5.5 | 0 | 3.8 | 2 | | | AreaAnalysis | 13 | PR 109 471 | Jan58 | BNL | Harvey. |
| | FISSION WIDTH | | | | | | | | | | | | |
| U236 | Γ(Fiss)σ(0)/Γ | 5.5 | 0 | 5.5 | 0 | | | Crystal Spec | 1 | BAP 6 8 | 61 | HAN | Leonard. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| U236 | Γ | 5.5 | 0 | 5.5 | 0 | | Absolute | TimeOfFlight | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| U236 | Resonance Energy | -8.0 | 0 | -8.0 | 0 | | | | 1 | JNE 6 181 | Jan58 | HAR | Mccallum,G.J. |
| U236 | Resonance Energy | 1.3 | 2 | 1.3 | 2 | | | AreaAnalysis | 1 | PR 109 471 | Jan58 | BNL | Harvey. |
| U236 | Resonance Energy | -9.7 | 0 | -9.7 | 0 | | | AreaAnalysis | 1 | GA-9057 | Oct68 | GA | Carlson. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| U236 | Strength Fn(l=0) | 2.0 | 2 | 1.0 | 4 | | | | 2 | GA-9057 | Oct68 | GA | Carlson. |
| U236 | Strength Fn(l=1) | 1.0 | 4 | 1.0 | 4 | | | | 1 | GA-9057 | Oct68 | GA | Carlson. |
| U236 | Level Spacing | 2.0 | 2 | 2.0 | 2 | | | | 1 | GA-9057 | Oct68 | GA | Carlson. |
| | FISSION CROSS SECT | | | | | | | | | | | | |
| U237 | Sigma | 7.9 | 6 | 7.9 | 6 | | | Back-to-Back | 1 | PR 116 1575 | Dec59 | ORL | Schmitt,H.W.+ |
| U237 | Sigma | 7.9 | 6 | 7.9 | 6 | | U238(n,f) | Back-to-Back | 1 | PR 116 1575 | Dec59 | ORL | Schmitt,H.W.+ |
| U237 | Sigma | 1.0 | 6 | 1.4 | 7 | | U235(n,f) | Back-to-Back | 4 | EANDC/UK- 77 | Dec66 | ALD | White,P.H.+ |
| U237 | Sigma | 1.4 | 7 | 1.4 | 7 | | Ratio | Back-to-Back | 1 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| U237 | Sigma | 2.5 | -2 | 2.5 | -2 | | U235(n,f) | Burn-up | 1 | NSE 31 149 | Jan68 | SRL | Cornman. |
| | (n,γ) REACTION | | | | | | | | | | | | |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Mn55 | Activation | 1 | MC- 70 | 44 | MON | Grummott. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | ReactivityCo | 1 | CP-2079 | Aug44 | ANL | Anderson,H.L. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | ReactivityCo | 1 | CP-2079 | Aug44 | ANL | Anderson,H.L. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | CP-2376 | Nov44 | ANL | Seren. |
| U238 | Sigma | 4.0 | 5 | 3.0 | 6 | | σ(Thermal) | | 5 | BR- 574 | 45 | CAV | Broda. |
| U238 | Sigma | 2.5 | -2 | 5.9 | 6 | | U235(n,f) | Activation | 15 | LA- 467 | Jan46 | LAS | Linenberger. |
| U238 | Sigma | 2.5 | -2 | 5.9 | 6 | N | U235(n,f) | Activation | 15 | LA- 467 | Jan46 | LAS | Linenberger. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Pile Oscilat | 4 | CP/51/12-151 | Dec51 | ORL | Pomerance. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Co59 | Activation | 2 | CP/51/12-151 | Dec51 | ORL | Pomerance. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,γ) | Pile Oscilat | 4 | CP/51/12-151 | Dec51 | ORL | Pomerance. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Co59 | Activation | 2 | CP/51/12-151 | Dec51 | ORL | Pomerance. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Co59 | Activation | 1 | CP/51/12-151(1) | Dec51 | ORL | Leddicotte. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | Pile Oscilat | 2 | ANL-5032 7 | May53 | ANL | Harris. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | Pile Oscilat | 2 | ANL-5032 7 | May53 | ANL | Harris. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Activation | 1 | JNE 1 234 | 55 | HAR | Crocker,V.S. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Mn55 | Pile Oscilat | 1 | JNE 1 319 | 55 | HAR | Small. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | | Extrapolatn | 1 | 55GENEVA/ 4-147 | Aug55 | BNL | Harvey. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,γ) | Extrapolatn | 1 | NRDC- 84 9(1) | Dec55 | HAR | Cocking.+ |
| U238 | Sigma | 2.4 | 4 | 2.4 | 4 | | I127 | Activation | 1 | PR 107 504 | Jul57 | ORL | Macklin,R.L.+ |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | | | |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | U235(n,f) | Mass Spec | 1 | NSE 3 395 | 58 | ORL | Halperin. |
| U238 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 72 505 | 58 | ALD | Perkin,J.L.+ |
| U238 | Sigma | 2.0 | 5 | 4.0 | 6 | | I127 | Activation | 2 | 58GENEVA/15- 50 | Sep58 | CCP | Leipunsky. |
| U238 | Sigma | 2.9 | 4 | 8.4 | 5 | | Absolute | Activation | 10 | JNE 8 197 | Jan59 | HAR | Hanna,R.C.+ |
| U238 | Sigma | 1.9 | 5 | 1.9 | 5 | | Indium | Activation | 1 | PR 114 1619 | Jun59 | ORL | Lyon. |
| U238 | Sigma | 2.4 | 4 | 8.3 | 5 | | Absolute | Shell Trans | 3 | AE 8 549 | 60 | CCP | Belanova. |
| U238 | Sigma | 2.5 | 3 | 2.2 | 5 | | | Activation | 14 | AP 10 455 | 60 | DKE | Bilpuch. |
| U238 | Sigma | 2.5 | 3 | 2.2 | 5 | N | | Activation | 15 | AP 10 455 | 60 | DKE | Bilpuch. |
| U238 | Sigma | 1.7 | 5 | 1.0 | 6 | | U235(n,f) | Liquid Scint | 7 | PR 120 556 | Oct60 | LAS | Diven. |
| U238 | Sigma | 3.0 | 4 | 6.5 | 4 | | Indium | Scint Tank | 2 | PR 122 182 | Apr61 | ORL | Gibbons. |
| U238 | Sigma | 1.5 | 4 | 1.7 | 5 | | σ(E≠E(th)) | Activation | 10 | AE 15 414 | 63 | CCP | Tolstikov. |
| U238 | Sigma | 3.0 | 4 | 6.4 | 4 | | Indium | Scint Tank | 2 | EANDC- 33 64 | Sep63 | ORL | Weston,L.W.+ |
| U238 | Sigma | 3.0 | 4 | 6.4 | 4 | | U235(n,f) | Scint Tank | 2 | EANDC- 33 64 | Sep63 | ORL | Weston,L.W.+ |
| U238 | Sigma | 1.0 | 4 | 5.8 | 4 | | Ta181 | Moxon-Rae C | 126 | MACKLIN 64C | Mar64 | ORL | Macklin. |
| U238 | Sigma | 6.0 | 3 | 9.7 | 4 | S | | Moxon-Rae C | 92 | MOXON 64D | Apr64 | HAR | Moxon. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Ion Chamber | 3 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| U238 | Sigma | 1.3 | 5 | 7.6 | 6 | | H(n,n) | Activation | 13 | JNE 18 481 | Sep64 | ALD | Barry. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | AE 17 294 | Oct64 | CCP | Batyrbekov,G.A.+ |
| U238 | Sigma | 2.4 | 4 | 2.4 | 4 | | Absolute | Shell Trans | 1 | AE 19 3 | 65 | OBN | Belanova. |
| U238 | Sigma | 2.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 4 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Sigma | 2.5 | -2 | 7.0 | 4 | | Pu239 | Activation | 2 | AE 19 292 | Sep65 | CCP | Stavisskii,Yu.Ya.+ |
| U238 | Sigma | 5.3 | 0 | 9.2 | 3 | P | Absolute | Moxon-Rae C | 240 | NP 85 305 | Sep66 | HAR | Asghar,M.+ |
| U238 | Sigma | 1.0 | 6 | 1.0 | 6 | | Indium | * | 1 | 68WASH-1263 | Mar68 | MOL | Fabry,A.+ |
| U238 | Sigma | 2.4 | 4 | 5.0 | 5 | | σ(E≠E(th)) | Activation * | 9 | NSE 33 24 | Jul68 | KFK | Menlove,H.O.+ |
| U238 | Sigma | 5.5 | 2 | 9.5 | 4 | | Boron | TimeOfFlight* | 23 | AERE/R-6074 | May69 | HAR | Moxon,M.C. |
| U238 | Sigma | 3.0 | 4 | 9.0 | 5 | | Ratio | | 4 | ANS 12 279 | Jun69 | ANL | Poenitz. |
| U238 | Sigma | 1.0 | 3 | 7.5 | 5 | | | TimeOfFlight* | 93 | 70HELSNK/II-265 | Jun70 | GA | Fricke,M.P.+ |
| U238 | Sigma | 2.0 | 3 | 1.0 | 5 | | Boron | Moxon-Rae C * | 18 | MOXON 71L | Dec71 | HAR | Moxon,M.C. |
| U238 | Reson Integral | 3.4 | -1 | 3.4 | -1 | | Boron | Activation | 1 | PR 80 499 | Nov50 | COL | Anderson. |
| U238 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 2 | JNE 2 243 | 56 | ORL | Macklin. |
| U238 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Ratio | Activation | 2 | JNE 2 243 | 56 | ORL | Macklin. |
| U238 | Reson Integral | 5.0 | -1 | 5.0 | -1 | N | Au(n,γ) | Activation | 1 | JNE 2 243 | 56 | ORL | Macklin. |
| U238 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | Au(n,γ) | Activation | 1 | NSE 14 358 | 62 | WES | Hardy. |
| U238 | Reson Integral | 5.0 | -1 | 5.0 | -1 | | | Activation | 1 | GA-3069 | Sep62 | GA | Sampson. |
| U238 | Reson Integral | 6.2 | -1 | 6.2 | -1 | S | Au(n,γ) | Activation | 1 | DP- 817 | Jan63 | SRL | Baumann. |
| U238 | Spectrum | 3.3 | 4 | 3.3 | 4 | | Absolute | CrystalScint | 9 | NP 74 15 | Dec65 | ORL | Berggvist,I. |
| U238 | Spectrum | 3.0 | 4 | 3.0 | 4 | | Ratio | TimeOfFlight | 9 | NP 74 15 | Dec65 | ORL | Berggvist,I. |
| U238 | Spectrum | 3.0 | 4 | 3.0 | 4 | C | Ratio | | 47 | NP 74 15 | Dec65 | ORL | Berggvist,I. |
| U238 | Spectrum | 2.5 | -2 | 2.5 | -2 | | | Ge(Li) Detect | 56 | PR 151 1011 | Nov66 | PSU | Sheline,R.K.+ |
| | γ,EMISSION | | | | | | | | | | | | |
| U238 | Sigma | 1.1 | 6 | 1.5 | 7 | | | Diff Sig Int | 6 | ORO/2791-17 | Jun66 | TNC | Nellis,D.O.+ |
| U238 | Ang Distrib | 1.1 | 6 | 1.5 | 7 | | H(n,n) | γ-Spectromet | 52 | ORO/2791-17 | Jun66 | TNC | Nellis,D.O.+ |
| | ELASTIC SCATTERING | | | | | | | | | | | | |
| U238 | Sigma | 2.0 | 6 | 7.0 | 6 | | H(n,n) | Diff Sig Int | 4 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 1 | CEA/R-3503 | Jul68 | FR | Voignier,J. |
| U238 | Sigma | 1.5 | 6 | 5.5 | 5 | | H(n,n) | TimeOfFlight* | 7 | ZP 244 358 | Jul71 | GEL | Knitter,H.H.+ |
| U238 | Ang Distrib | 2.8 | 7 | 2.8 | 7 | | | PlasticScint | 1 | JPR 22 652 | Oct61 | LVN | Deconninck,G.+ |
| U238 | Ang Distrib | 2.0 | 6 | 7.0 | 5 | | | TimeOfFlight | 50 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Ang Distrib | 9.5 | 4 | 9.5 | 4 | | Ratio | TimeOfFlight* | 1 | NP 71 511 | Sep65 | FOA | Stroemberg,L.G.+ |
| U238 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight* | 15 | CEA/R-3503 | Jul68 | FR | Voignier,J. |
| U238 | Ang Distrib | 1.5 | 6 | 5.5 | 6 | | H(n,n) | TimeOfFlight* | 119 | ZP 244 358 | Jul71 | GEL | Knitter,H.H.+ |
| | ELASTIC+SCME INEL | | | | | | | | | | | | |
| U238 | Sigma | 5.0 | 5 | 1.0 | 6 | | | Diff Sig Int | 2 | PR 104 731 | Nov56 | LAS | Allen. |
| | INEL SCATTERING | | | | | | | | | | | | |
| U238 | Sigma | 3.0 | 5 | 1.0 | 6 | | | RecoilChambr | 3 | ZET 30 1017 | Jun56 | CCP | Poze. |
| U238 | Sigma | 1.5 | 5 | 5.0 | 5 | | | Shell Trans | 7 | PR 105 1796 | Mar57 | LAS | Allen,R.C. |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | LA-2111 | Apr57 | LAS | Rosen. |
| U238 | Sigma | 9.5 | 5 | 9.5 | 5 | | | Threshold C | 1 | SPN- 211 | 61 | CCP | Andreev,V.N. |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | C | | | 1 | JNE 16 261 | 62 | ALD | White,P.H. |
| U238 | Sigma | 3.5 | 5 | 1.5 | 6 | | Carbon | TimeOfFlight | 67 | NP 47 633 | Sep63 | ANL | Smith,A.B. |
| U238 | Sigma | 3.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 3 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Sigma | 2.0 | 6 | 2.0 | 6 | | H(n,n) | TimeOfFlight | 2 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Sigma | 9.5 | 4 | 9.5 | 4 | | U238(n,f) | TimeOfFlight* | 1 | NP 71 511 | Sep65 | FOA | Stroemberg,L.G.+ |
| U238 | Sigma | 1.5 | 6 | 2.3 | 6 | | H(n,n) | TimeOfFlight* | 7 | ZP 244 358 | Jul71 | GEL | Knitter,H.H.+ |
| U238 | Ang Distrib | 2.4 | 6 | 2.4 | 6 | | H(n,n) | TimeOfFlight | 1 | PR 103 343 | Jul56 | LAS | Cranberg. |
| U238 | Ang Distrib | 5.5 | 5 | 2.0 | 6 | | H(n,n) | Biased Scint | 4 | PR 109 2063 | Mar58 | LAS | Cranberg. |
| U238 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 98 | CEA/R-3503 | Jul68 | FR | Voignier,J. |
| U238 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Ratio | TimeOfFlight | 5 | INDC-260 16 | Feb69 | OBN | Salnikov. |
| U238 | Ang Distrib | 2.0 | 5 | 1.1 | 6 | | Arb Units | TimeOfFlight* | 36 | 70HELSNK/II-103 | Jun70 | PEL | Barnard,E.+ |
| U238 | Ang Distrib | 1.2 | 5 | 1.2 | 6 | | Carbon | TimeOfFlight* | 93 | 70HELSNK/II-103 | Jun70 | PEL | Barnard,E.+ |
| U238 | Ang Distrib | 1.5 | 6 | 2.3 | 6 | | H(n,n) | TimeOfFlight* | 119 | ZP 244 358 | Jul71 | GEL | Knitter,H.H.+ |
| U238 | Legendre Fit | 2.0 | 5 | 1.1 | 6 | | *4Pi/Sigma | TimeOfFlight* | 10 | 70HELSNK/II-103 | Jun70 | PEL | Barnard,E.+ |
| U238 | Cosine Fit | 5.5 | 5 | 5.5 | 5 | | H(n,n) | Biased Scint | 2 | PR 109 2063 | Mar58 | LAS | Cranberg. |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 1 | CEA/R-3503 | Jul68 | FR | Voignier,J. |
| | MISC SCATT QUANT | | | | | | | | | | | | |
| U238 | σ(Bound Atom) | 2.5 | -2 | 2.5 | -2 | | | Ring Geomtry | 2 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| | (n,2n) REACTION | | | | | | | | | | | | |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Activation | 1 | AERE/NP/R-2033 | 56 | HAR | Phillips,J.A. |
| U238 | Sigma | 6.0 | 6 | 1.0 | 7 | S | U238(n,f) | Activation | 9 | BAP 2 198 | Apr57 | LAS | Knight. |
| U238 | Sigma | 1.5 | 7 | 1.5 | 7 | | Another Reac | Activation | 1 | AE 5 456 | 58 | CCP | Antropov. |
| U238 | Sigma | 6.0 | 6 | 1.0 | 7 | | U238(n,f) | Activation | 16 | PR 112 259 | Oct58 | LAS | Knight,J.D.+ |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | Cu63(n,2n) | Activation | 1 | JNE 14 69 | 61 | ALD | Perkin,J.L.+ |
| U238 | Sigma | 7.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 1 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| | (n,3n) REACTION | | | | | | | | | | | | |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 1 | JNE 14 100 | 61 | ALD | Allen. |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | C | | | 1 | JNE 16 261 | 62 | ALD | White,P.H. |
| U238 | Sigma | 1.3 | 7 | 1.9 | 7 | | | | 6 | NP 16 261 | 62 | ALD | White. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,alpha) REACTION | | | | | | | | | | | | |
| U238 | Sigma | 1.5 | 7 | 1.5 | 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.P.+ |
| | FISSION CROSS SECT | | | | | | | | | | | | |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ion Chamber | 1 | LA- 719 | Dec48 | LAS | Nyer,W. |
| U238 | Sigma | 8.4 | 7 | 3.8 | 8 | | | | 3 | DOK 101 1027 | 55 | CCP | |
| U238 | Sigma | 1.0 | 6 | 1.0 | 6 | | Boron | Proportion C* | 1 | NUC 13 67 | Feb55 | KJL | |
| U238 | Sigma | 1.0 | 6 | 1.0 | 6 | | Ratio | Proportion C* | 1 | NUC 13 67 | Feb55 | KJL | |
| U238 | Sigma | 4.2 | 5 | 4.3 | 6 | S | | Back-to-Back | 147 | ORNL-1926 11 | Mar55 | ORL | Lamphere. |
| U238 | Sigma | 1.4 | 7 | 1.5 | 7 | | | Back-to-Back | 3 | AERE/NP/R-1996 | Jun56 | HAR | Uttley. |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Ion Chamber | 1 | AERE/NP/R-1996 | Jun56 | HAR | Uttley. |
| U238 | Sigma | 1.0 | 6 | 4.0 | 6 | | | | 28 | NETTER 56F | Jun56 | SAC | Netter. |
| U238 | Sigma | 4.2 | 5 | 4.2 | 5 | | | Back-to-Back | 1 | PR 104 1654 | Dec56 | ORL | Lamphere. |
| U238 | Sigma | 4.2 | 5 | 3.0 | 6 | S | U235(n,f) | Ion Chamber | 90 | PR 104 1654 | Dec56 | ORL | Lamphere. |
| U238 | Sigma | 1.3 | 7 | 2.1 | 7 | | | Back-to-Back | 16 | BAP 2 196 | 57 | LAS | Smith,R.K.+ |
| U238 | Sigma | 1.2 | 6 | 1.2 | 7 | | H(n,n) | Ion Chamber | 24 | BAP 2 196 | 57 | LAS | Smith,R.K.+ |
| U238 | Sigma | 1.0 | 6 | 3.0 | 6 | | U233 | Back-to-Back | 7 | PPS 70 573 | 57 | HAR | Allen. |
| U238 | Sigma | 1.0 | 6 | 1.0 | 6 | | | Ion Chamber | 1 | JNE 4 38 | Jan57 | LAS | Leachman,R.B.+ |
| U238 | Sigma | 1.3 | 6 | 6.9 | 6 | | U235(n,f) | Ion Chamber | 33 | LA-2122 | Mar57 | LAS | Henkel. |
| U238 | Sigma | 8.8 | 6 | 1.4 | 7 | S | | Gas Scint | 5 | WASH- 745 31 | Nov57 | LRL | Goldberg. |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | | * | 1 | 58GENEVA/16-106 | Sep58 | PR | Billaud,P.+ |
| U238 | Sigma | 2.9 | 6 | 1.1 | 7 | S | | Ion Chamber | 27 | 58GENEVA/16-136 | Sep58 | CCP | Pankratov. |
| U238 | Sigma | 1.5 | 7 | 1.5 | 7 | | | Ion Chamber | 1 | AE 5 657 | Dec58 | CCP | Plerov,N.N.+ |
| U238 | Sigma | 2.2 | 7 | 2.2 | 7 | | | | 1 | AE 9 399 | 60 | CCP | Pankratov,V.M.+ |
| U238 | Sigma | 1.1 | 7 | 2.0 | 7 | | | TimeOfFlight | 15 | AE 9 399 | 60 | CCP | Pankratov,V.M.+ |
| U238 | Sigma | 1.3 | 7 | 1.9 | 7 | | | | 14 | JNE 14 85 | 61 | ALD | Adams. |
| U238 | Sigma | 1.4 | 7 | 1.5 | 7 | C | Absolute | Nuc Emulsion | 3 | KATASE 61I | Sep61 | KYU | Katase,A. |
| U238 | Sigma | 5.1 | 6 | 3.7 | 7 | | | TimeOfFlight | 35 | AE 14 177 | Feb63 | CCP | Pankratov. |
| U238 | Sigma | 1.4 | 7 | 1.5 | 7 | | H(n,n) | Solidstate C | 9 | NP 43 124 | May63 | CIS | Mangialajo,M.+ |
| U238 | Sigma | 2.3 | -2 | 2.5 | -2 | | Ratio | Fission Det | 3 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Fission Det | 1 | AE 17 294 | Oct64 | CCP | Batyrbekov,G.A.+ |
| U238 | Sigma | 1.8 | 6 | 4.5 | 6 | | σ(E≠E(th)) | | 7 | NP 63 641 | Mar65 | CAT | Emma,V.+ |
| U238 | Sigma | 2.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 4 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | * | 6 | AEEW/R- 526 | Jun67 | WIN | Stevenson,J.M.+ |
| U238 | Sigma | 2.3 | 6 | 1.4 | 7 | | Ratio | Back-to-Back | 3 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| U238 | Sigma | 2.3 | 6 | 1.4 | 7 | N | U235(n,f) | Back-to-Back | 3 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| U238 | Sigma | 1.5 | 6 | 5.0 | 6 | | Ratio | TimeOfFlight | 14 | 68WASH- 627 | Mar68 | LAS | Stein. |
| U238 | Sigma | 1.0 | 6 | 1.0 | 6 | | Indium | * | 1 | 68WASH-1263 | Mar68 | MOL | Pabry,A.+ |
| U238 | Sigma | 1.0 | 6 | 2.3 | 7 | | H(n,n) | Ion Chamber | 44 | SMITH 68I | Sep68 | LAS | Smith. |
| | FISSION FRAGMENTS | | | | | | | | | | | | |
| U238 | Yield | 1.0 | 6 | 1.0 | 6 | | | | 4 | SPN- 159 | 61 | CCP | Petrzhak,K.A. |
| U238 | Yield | 1.0 | 6 | 1.0 | 6 | | Absolute | | 2 | SPN- 159 | 61 | CCP | Petrzhak,K.A. |
| U238 | Yield | 1.0 | 6 | 1.0 | 6 | | Ratio | | 1 | SPN- 159 | 61 | CCP | Petrzhak,K.A. |
| U238 | Yield | 1.0 | 6 | 1.5 | 7 | | | | 22 | SPN- 164 | 61 | CCP | Bonyushkin,E.K. |
| U238 | Yield | 1.0 | 6 | 1.0 | 6 | | | Activation | 3 | SPN- 164 | 61 | CCP | Bonyushkin,E.K. |
| U238 | Yield | 1.5 | 7 | 1.5 | 7 | | Absolute | | 1 | SPN- 164 | 61 | CCP | Bonyushkin,E.K. |
| U238 | Yield | 1.0 | 6 | 1.0 | 6 | | Absolute | Activation | 8 | SPN- 164 | 61 | CCP | Bonyushkin,E.K. |
| U238 | Yield | 0.0 | | 1.4 | 7 | | | | 15 | JIN 26 401 | Mar64 | ARK | Menon,M.P.+ |
| U238 | Ang Distrib | 1.7 | 6 | 5.2 | 6 | | Ratio | | 6 | NP 63 641 | Mar65 | CAT | Emma,V.+ |
| U238 | Ang Distrib | 1.7 | 6 | 5.2 | 6 | | Ratio | Nuc Emulsion | 54 | NP 63 641 | Mar65 | CAT | Emma,V.+ |
| U238 | Ang Distrib | 1.5 | 7 | 1.5 | 7 | | U238(n,f) | * | 8 | JNE 21 375 | Apr67 | DEB | Csikai,J.+ |
| U238 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | U238(n,f) | * | 21 | INDC/HUN- 1 2 | Apr70 | KOS | Csikai,G. |
| | NU-BAR | | | | | | | | | | | | |
| U238 | Prompt+Delayed | 3.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 3 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Prompt | 4.0 | 6 | 4.5 | 6 | | | Shell Trans | 2 | LA-1939 | Aug55 | LAS | Bethe. |
| U238 | Prompt | 1.5 | 6 | 1.5 | 6 | | | | 1 | PR 108 783 | Nov57 | LAS | Terrell,J. |
| U238 | Prompt | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 1 | AE 5 654 | Dec58 | CCP | Plerov,N.N.+ |
| U238 | Prompt | 1.4 | 7 | 1.4 | 7 | | | CrystalScint | 1 | ZET 38 671 | Mar60 | CCP | Vasil'ev. |
| U238 | Prompt | 1.4 | 7 | 1.4 | 7 | | Ratio | CrystalScint | 1 | ZET 38 671 | Mar60 | CCP | Vasil'ev. |
| U238 | Prompt | 0.0 | | 1.4 | 7 | | | | 3 | JPR 21 617 | Sep60 | SAC | Leroy,J. |
| U238 | Prompt | 1.4 | 7 | 1.4 | 7 | | Cf252(Nu) | Coincidences | 1 | JNE 15 102 | 61 | ALD | Moat,A.+ |
| U238 | Prompt | 1.4 | 7 | 1.4 | 7 | N | Cf252(Nu) | Coincidences | 1 | JNE 15 102 | 61 | ALD | Moat,A.+ |
| U238 | Prompt | 2.3 | 6 | 3.8 | 6 | | | Proportion C | 2 | SPN- 177 | 61 | CCP | Kuz'minov,B.D. |
| U238 | Prompt | 3.6 | 6 | 1.5 | 7 | | Cf252(Nu) | Scint Tank * | 2 | NSE 11 397 | Dec61 | FOA | Conde,H.+ |
| U238 | Prompt | 0.0 | | 0.0 | | | Cf252(Nu) | Scint Tank * | 1 | NSE 15 213 | Jan63 | FOA | Asplund-Nilsson,I.+ |
| U238 | Prompt | 1.5 | 6 | 1.5 | 7 | | Cf252(Nu) | Scint Tank * | 9 | NSE 20 527 | Dec64 | FOA | Asplund-Nilsson,I.+ |
| U238 | Prompt | 1.4 | 6 | 4.0 | 6 | | Cf252(Nu) | Liquid Scint | 4 | NP 66 149 | Apr65 | ALD | Mather,D.S.+ |
| U238 | Prompt | 1.4 | 6 | 1.5 | 7 | | Cf252(Nu) | * | 27 | EANDC/E- 89 221 | Feb68 | PR | Prehaut,J.+ |
| U238 | Prompt | 0.0 | | 0.0 | | | Cf252(Nu) | Liquid Scint* | 1 | CONDE 71B | Feb71 | FOA | Conde,H.+ |
| U238 | Delayed | 1.0 | 6 | 1.0 | 6 | | | Proportion C* | 1 | JNE 4 133 | Jun57 | HAR | Rose,H.+ |
| U238 | Delayed | 2.3 | 6 | 1.5 | 7 | | Ratio | | 15 | INDSWG- 64 24 | 64 | FEI | Maksyutenko,B.P. |
| U238 | Delayed | 1.8 | 6 | 6.5 | 6 | | Ratio | Accelerator | 15 | INDSWG- 74 3 | Oct65 | CCP | Maksyutenko,B.P. |
| U238 | Delayed | 1.5 | 7 | 1.5 | 7 | | σ(E≠E(th)) | | 1 | AE 20 153 | Feb66 | DEB | Butzko,M. |
| U238 | Delayed | 1.5 | 7 | 1.5 | 7 | | Ratio | | 4 | AE 20 153 | Feb66 | DEB | Butzko,M. |
| U238 | Delayed | 5.0 | 6 | 7.8 | 6 | | Ratio | Proportion C | 40 | INDC-152 75 | Nov66 | FEI | Maksyutenko,B.P. |
| U238 | Delayed | 1.5 | 7 | 1.5 | 7 | | | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| U238 | Delayed | 3.1 | 6 | 3.1 | 6 | | σ(E≠E(th)) | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| U238 | Unspecified | 1.4 | 7 | 1.4 | 7 | | Another Reac | Coincidences | 1 | AE 5 654 | Dec58 | CCP | Plerov,N.N.+ |
| U238 | Unspecified | 2.1 | 6 | 4.9 | 6 | | | TimeOfFlight | 2 | NP 71 228 | Sep65 | HAR | Barnard,E.+ |
| U238 | Unspecified | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 1 | CEA/R-3503 | Jul68 | FR | Voignier,J. |
| | MISC FISS QUANT | | | | | | | | | | | | |
| U238 | Neutron/Capture | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 1 | AE 5 654 | Dec58 | CCP | Plerov,N.N.+ |
| U238 | Neutron/Capture | 1.4 | 7 | 1.4 | 7 | | | Shell Trans | 1 | JNE 14 100 | 61 | ALD | Allen. |
| U238 | Neutron/Capture | 1.3 | 7 | 1.9 | 7 | | | Shell Trans * | 7 | JNE 16 261 | 62 | ALD | White,P.H. |
| U238 | Neutron/Capture | 3.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 3 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Alpha | 2.5 | -2 | 2.5 | -2 | | | Gas Scint | 1 | AE 20 60 | Jan66 | CCP | Yurova. |
| U238 | Alpha | 2.5 | -2 | 2.5 | -2 | | U235(n,f) | Gas Scint | 1 | AE 20 60 | Jan66 | CCP | Yurova. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Boron | ReactivityCo | 1 | CP-2079 | Aug44 | ANL | Anderson,H.L. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Boron | ReactivityCo | 2 | CP-2079 | Aug44 | ANL | Anderson,H.L. |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | S | | Extrapolatn | 1 | JNE 1 92 | 54 | HAR | Egelstaff. |
| U238 | Sigma | 2.4 | 4 | 2.4 | 4 | | | | 1 | AE 20 431 | May66 | CCP | Koroleva,V.P.+ |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | U235(n,f) | Activation | 1 | CJP 47 1317 | Jun69 | CR | Bigham. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ABSORPTION X-SECT (CONTINUED) | | | | | | | | | | | | |
| U238 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Activation | 1 | CJP 47 1317 | Jun69 | CR | Bigham. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| U238 | Sigma | 4.0 | 6 | 4.5 | 6 | | | Shell Trans | 2 | LA-1939 | Aug55 | LAS | Bethe. |
| U238 | Sigma | 1.5 | 5 | 5.0 | 5 | | | Shell Trans | 3 | PR 105 1796 | Mar57 | LAS | Allen,R.C. |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | | Nuc Emulsion | 1 | LA-2111 | Apr57 | LAS | Rosen. |
| U238 | Sigma | 9.5 | 5 | 9.5 | 5 | | | Threshold C | 1 | SPN- 211 | 61 | CCP | Andreev,V.N. |
| U238 | Sigma | 1.3 | 7 | 1.8 | 7 | | Absolute | Shell Trans | 4 | AE 11 397 | Oct61 | CCP | Degtyarev. |
| U238 | Sigma | 3.0 | 6 | 7.0 | 6 | | | TimeOfFlight | 3 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Sigma | 8.1 | 6 | 1.8 | 7 | | | Shell Trans | 2 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| U238 | Sigma | 2.4 | 4 | 2.4 | 4 | | | Shell Trans | 1 | AE 20 431 | May66 | CCP | Koroleva,V.P.+ |
| U238 | Sigma | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight | 1 | CEA/R-3503 | Jul68 | FR | Voignier,J. |
| U238 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight* | 11 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| U238 | Sigma | 2.0 | 2 | 1.2 | 3 | | Absolute | TimeOfFlight | 144 | YEATER 56J | Oct56 | KAP | Yeater. |
| U238 | Sigma | 1.1 | 0 | 3.9 | 2 | | Absolute | TimeOfFlight | 402 | PR 105 661 | Jan57 | ANL | Bollinger. |
| U238 | Sigma | 7.2 | 6 | 2.6 | 7 | S | Absolute | Biased Scint | 5 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| U238 | Sigma | 7.0 | 6 | 1.4 | 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| U238 | Sigma | 1.7 | 7 | 2.9 | 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| U238 | Sigma | 4.0 | 2 | 1.9 | 3 | | | TimeOfFlight | 670 | NP 41 614 | 63 | HAR | Firk. |
| U238 | Sigma | 3.2 | 1 | 4.1 | 3 | | | TimeOfFlight | 7715 | PR 134B 985 | Jun64 | COL | Garg. |
| U238 | Sigma | 2.0 | 6 | 7.0 | 6 | | Absolute | Accelerator | 4 | NP 65 236 | Mar65 | ALD | Batchelor,R.+ |
| U238 | Sigma | 6.5 | 3 | 9.5 | 5 | | Absolute | TimeOfFlight | 34 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| U238 | Sigma | 2.3 | 6 | 1.5 | 7 | | Absolute | TimeOfFlight | 466 | FOSTER 67E | May67 | BNW | Foster. |
| U238 | Sigma | 9.9 | 7 | 1.5 | 8 | | Absolute | Accelerator | 6 | NP A119 197 | Oct68 | USA | Schneider. |
| U238 | Sigma | 6.1 | 5 | 1.2 | 6 | | Absolute | TimeOfFlight* | 4 | SMITH 69F 2 | Jun69 | ANL | Smith,A.B.+ |
| U238 | Sigma | 1.0 | 5 | 1.5 | 6 | | Absolute | Transmission* | 524 | SMITH 69F 2 | Jun69 | ANL | Smith,A.B.+ |
| U238 | Sigma | 6.5 | 1 | 1.4 | 4 | | Absolute | TimeOfFlight* | 10617 | 70HELSNK/I- 403 | Jun70 | GEL | Carraro,M.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| U238 | Γ(γ) | 7.0 | 0 | 7.0 | 0 | | | | 2 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| U238 | Γ(γ) | 6.7 | 0 | 6.6 | 1 | | | AreaAnalysis | 4 | PR 99 10 | Jul55 | BNL | Harvey. |
| U238 | Γ(γ) | 6.7 | 0 | 1.2 | 2 | | | | 5 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | Γ(γ) | 2.1 | 1 | 3.7 | 1 | | | AreaAnalysis | 2 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | Γ(γ) | 6.7 | 0 | 8.3 | 1 | | | AreaAnalysis | 5 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| U238 | Γ(γ) | 6.7 | 0 | 3.7 | 1 | | | AreaAnalysis | 3 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| U238 | Γ(γ) | 2.1 | 1 | 1.0 | 2 | | | AreaAnalysis | 4 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| U238 | Γ(γ) | 6.7 | 0 | 6.6 | 1 | | | AreaAnalysis | 4 | PR 105 661 | Jan57 | ANL | Bollinger. |
| U238 | Γ(γ) | 1.0 | 2 | 6.0 | 8 | | | Selfindicatn | 28 | PR 118 687 | May60 | COL | Rosen. |
| U238 | Γ(γ) | 6.6 | 0 | 6.6 | 0 | | | Shape Analys | 1 | PR 127 461 | Jul62 | ANL | Jackson,H.E.+ |
| U238 | Γ(γ) | 3.7 | 1 | 6.9 | 2 | | | CaptureGamma | 15 | MOXON 62L | Dec62 | HAR | Moxon. |
| U238 | Γ(γ) | 3.6 | 1 | 1.0 | 2 | | | AreaAnalysis | 3 | NP 41 614 | 63 | HAR | Firk. |
| U238 | Γ(γ) | 4.1 | 2 | 4.1 | 2 | | | AreaAnalysis | 1 | NP 85 305 | Sep66 | HAR | Asghar,M.+ |
| U238 | Γ(γ) | 6.6 | 0 | 8.2 | 2 | | | TimeOfFlight | 27 | NP 85 305 | Sep66 | HAR | Asghar,M.+ |
| U238 | Γ(γ) | 3.7 | 1 | 1.9 | 3 | | | | 60 | EANDC/US- 94 | Feb67 | LAS | Glass. |
| U238 | Γ(γ) | 6.6 | 1 | 1.1 | 3 | | | TimeOfFlight* | 28 | 70HELSNK/I- 413 | Jun70 | GEL | Rohr,G.+ |
| | n-WIDTH | | | | | | | | | | | | |
| U238 | Γ(n) | 7.0 | 0 | 7.0 | 0 | | | | 2 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| U238 | Γ(n) | 6.7 | 0 | 4.2 | 2 | | | AreaAnalysis | 18 | PR 99 10 | Jul55 | BNL | Harvey. |
| U238 | Γ(n) | 6.7 | 0 | 1.2 | 2 | | | | 6 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | Γ(n) | 2.1 | 1 | 1.9 | 2 | | | AreaAnalysis | 8 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | Γ(n) | 6.7 | 0 | 4.0 | 2 | | | AreaAnalysis | 17 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| U238 | Γ(n) | 6.7 | 0 | 1.0 | 2 | | Absolute | Interference | 8 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| U238 | Γ(n) | 6.7 | 0 | 3.7 | 1 | | | AreaAnalysis | 3 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| U238 | Γ(n) | 2.1 | 1 | 2.0 | 2 | | | AreaAnalysis | 8 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| U238 | Γ(n) | 6.7 | 0 | 2.4 | 2 | | | AreaAnalysis | 14 | PR 105 661 | Jan57 | ANL | Bollinger. |
| U238 | Γ(n) | 1.0 | 2 | 6.0 | 8 | | | Selfindicatn | 48 | PR 118 687 | May60 | COL | Rosen. |
| U238 | Γ(n) | 6.6 | 0 | 6.6 | 0 | | | Shape Analys | 1 | PR 127 461 | Jul62 | ANL | Jackson,H.E.+ |
| U238 | Γ(n) | 3.7 | 1 | 7.0 | 2 | | | CaptureGamma | 27 | MOXON 62L | Dec62 | HAR | Moxon. |
| U238 | Γ(n) | 3.6 | 1 | 1.8 | 3 | | | AreaAnalysis | 85 | NP 41 614 | 63 | HAR | Firk. |
| U238 | Γ(n) | 2.1 | 1 | 3.5 | 2 | | | TimeOfFlight | 8 | BAP 10 12 | Jan65 | LRL | Hickman. |
| U238 | Γ(n) | 6.6 | 0 | 8.2 | 2 | | | TimeOfFlight | 38 | NP 85 305 | Sep66 | HAR | Asghar,M.+ |
| U238 | Γ(n) | 8.1 | 1 | 1.8 | 3 | | | | 24 | EANDC/US- 94 | Feb67 | LAS | Glass. |
| U238 | Γ(n) | 6.6 | 1 | 5.8 | 3 | | | TimeOfFlight* | 247 | 70HELSNK/I- 403 | Jun70 | GEL | Carraro,M.+ |
| U238 | Γ(n) | 6.6 | 1 | 1.1 | 3 | | | TimeOfFlight* | 28 | 70HELSNK/I- 413 | Jun70 | GEL | Rohr,G.+ |
| U238 | Γ(n) | 7.7 | 2 | 3.6 | 3 | | | AreaAnalysis* | 141 | 71KNOXVILL/6 23 | Mar71 | GEL | Carraro,G.+ |
| U238 | 2gΓ(n) | 4.7 | 1 | 2.1 | 3 | | | AreaAnalysis | 170 | 68WASH- 537 | Mar68 | LAS | Glass. |
| U238 | 2gΓ(n) | 4.4 | 0 | 1.9 | 2 | | | AreaAnalysis | 26 | PR 171 1293 | Jul68 | ANL | Bollinger. |
| U238 | Γ(n,l=0) | 6.7 | 0 | 4.2 | 2 | | | AreaAnalysis | 18 | PR 99 10 | Jul55 | BNL | Harvey. |
| U238 | Γ(n,l=0) | 6.7 | 0 | 4.0 | 2 | | | AreaAnalysis | 18 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| U238 | Γ(n,l=0) | 1.9 | 2 | 2.7 | 2 | | Absolute | AreaAnalysis | 2 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| U238 | Γ(n,l=0) | 2.1 | 1 | 2.0 | 2 | | | AreaAnalysis | 8 | PR 103 1778 | Sep56 | MTR | Fluharty. |
| U238 | Γ(n,l=0) | 6.7 | 0 | 2.4 | 2 | | | AreaAnalysis | 13 | PR 105 661 | Jan57 | ANL | Bollinger. |
| U238 | Γ(n,l=0) | 1.0 | 2 | 6.0 | 8 | | | Selfindicatn | 48 | PR 118 687 | May60 | COL | Rosen. |
| U238 | Γ(n,l=0) | 3.6 | 1 | 1.8 | 3 | | | AreaAnalysis | 85 | NP 41 614 | 63 | HAR | Firk. |
| U238 | Γ(n,l=0) | 1.0 | 2 | 3.9 | 3 | | | AreaAnalysis | 213 | PR 134B 985 | Jun64 | COL | Garg. |
| U238 | Γ(n,l=0) | 6.6 | 1 | 5.8 | 3 | | | TimeOfFlight* | 247 | 70HELSNK/I- 403 | Jun70 | GEL | Carraro,M.+ |
| U238 | Γ(n,l=0) | 7.7 | 2 | 5.8 | 3 | | | AreaAnalysis* | 153 | 71KNOXVILL/6 23 | Mar71 | GEL | Carraro,G.+ |
| U238 | gΓ(n,l=1) | 4.7 | 1 | 1.9 | 3 | | | AreaAnalysis | 128 | 68WASH- 537 | Mar68 | LAS | Glass. |
| U238 | Γ(n)σ(0) | 2.1 | 1 | 3.5 | 2 | | | TimeOfFlight | 8 | BAP 10 12 | Jan65 | LRL | Hickman. |
| U238 | Γ(n)σ(0) | 2.1 | 1 | 8.1 | 4 | | Lead | AreaAnalysis | 68 | NP 85 305 | Sep66 | HAR | Asghar,M.+ |
| | FISSION WIDTH | | | | | | | | | | | | |
| U238 | Γ(Fiss)σ(0)/Γ | 6.7 | 0 | 1.0 | 1 | | | Crystal Spec | 2 | BAP 6 8 | 61 | HAN | Leonard. |
| | TOTAL WIDTH | | | | | | | | | | | | |
| U238 | Γ | 7.0 | 0 | 7.0 | 0 | | | | 2 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| U238 | Γ | 6.7 | 0 | 6.6 | 1 | | | AreaAnalysis | 4 | PR 99 10 | Jul55 | BNL | Harvey. |
| U238 | Γ | 6.7 | 0 | 1.2 | 2 | | | | 6 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | Γ | 2.1 | 1 | 1.0 | 2 | | | AreaAnalysis | 4 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | Γ | 6.7 | 0 | 3.7 | 1 | | | AreaAnalysis | 3 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| U238 | Γ | 6.7 | 0 | 2.4 | 2 | | | AreaAnalysis | 13 | PR 105 661 | Jan57 | ANL | Bollinger. |
| U238 | Γ | 1.0 | 2 | 6.0 | 8 | | | Selfindicatn | 48 | PR 118 687 | May60 | COL | Rosen. |
| U238 | Γ | 3.6 | 1 | 1.0 | 2 | | | AreaAnalysis | 3 | NP 41 614 | 63 | HAR | Firk. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH (CONTINUED) | | | | | | | | | | | | |
| U238 | $\Gamma_\sigma(0)$ | 7.0 | 0 | 7.0 | 0 | | | | 2 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| U238 | $\Gamma_\sigma(0)$ | 6.7 | 0 | 1.7 | 2 | | | AreaAnalysis | 8 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | $\Gamma_\sigma(0)$ | 6.7 | 0 | 3.7 | 1 | | | AreaAnalysis | 3 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| U238 | $\Gamma_\sigma(0)$ | 2.1 | 1 | 2.0 | 2 | | | AreaAnalysis | 8 | PR 103 1778 | Sep56 | MTR | Pluharty. |
| U238 | $\Gamma^{3+2}\sigma(0)$ | 2.1 | 1 | 2.1 | 1 | | | AreaAnalysis | 1 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | $\Gamma^{2}\sigma(0)$ | 7.0 | 0 | 7.0 | 0 | | | | 2 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| U238 | $\Gamma^{2}\sigma(0)$ | 6.7 | 0 | 1.9 | 2 | | | AreaAnalysis | 6 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | $\Gamma^{2}\sigma(0)$ | 6.7 | 0 | 4.0 | 2 | | | AreaAnalysis | 13 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| U238 | $\Gamma^{2}\sigma(0)$ | 6.7 | 0 | 3.7 | 1 | | | AreaAnalysis | 3 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| U238 | $\Gamma^{2}\sigma(0)$ | 3.7 | 1 | 6.9 | 2 | | | CaptureGamma | 13 | MOXON 62L | Dec62 | HAR | Moxon. |
| U238 | $\Gamma^{2}\sigma(0)$ | 3.6 | 1 | 2.1 | 2 | | | AreaAnalysis | 6 | NP 41 614 | 63 | HAR | Pirk. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| U238 | Resonance Energy | 1.5 | 2 | 7.7 | 2 | | | Accelerator | 14 | 55GENEVA/ 4-210 | Aug55 | HAR | Price. |
| U238 | Resonance Energy | 6.6 | 1 | 5.8 | 3 | | | TimeOfFlight* | 260 | 70HELSNK/I- 403 | Jun70 | GEL | Carraro,W.+ |
| U238 | $\sigma(0)$ | 7.0 | 0 | 7.0 | 0 | | | | 2 | ANL-4680 5 | Sep51 | ANL | Turner,L.A. |
| U238 | $\sigma(0)$ | 6.7 | 0 | 6.8 | 1 | | | AreaAnalysis | 4 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| U238 | $\sigma(0)$ | 6.7 | 0 | 3.7 | 1 | | | AreaAnalysis | 3 | PR 101 1328 | Feb56 | BNL | Levin,J.S.+ |
| U238 | $\sigma(0)$ | 2.1 | 1 | 1.0 | 2 | | | AreaAnalysis | 4 | PR 103 1778 | Sep56 | MTR | Pluharty. |
| U238 | $\sigma(0)$ | 6.7 | 0 | 2.4 | 2 | | | AreaAnalysis | 13 | PR 105 661 | Jan57 | ANL | Bollinger. |
| | AVERAGED PARAM | | | | | | | | | | | | |
| U238 | Strength Funct | 1.5 | 2 | 1.5 | 2 | | | AreaAnalysis | 1 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| U238 | Strength Funct | 1.0 | 2 | 1.0 | 2 | | | AreaAnalysis | 1 | PR 103 1778 | Sep56 | MTR | Pluharty. |
| U238 | Strength Fn(l=0) | 1.5 | 2 | 1.5 | 2 | | | AreaAnalysis | 1 | PR 105 661 | Jan57 | ANL | Bollinger. |
| U238 | Strength Fn(l=0) | 1.8 | 3 | 1.8 | 3 | | | AreaAnalysis | 1 | NP 41 614 | 63 | HAR | Pirk. |
| U238 | Strength Fn(l=0) | 2.0 | 3 | 2.0 | 3 | | | AreaAnalysis | 1 | PR 134B 985 | Jun64 | COL | Garg. |
| U238 | Strength Fn(l=0) | 1.0 | 5 | 1.0 | 5 | | | Transmission | 1 | 64PARIS/II- 700 | Jul64 | HAR | Uttley,C.A. |
| U238 | Strength Fn(l=0) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| U238 | Strength Fn(l=0) | 8.3 | 5 | 8.3 | 5 | | | AreaAnalysis | 1 | NP 85 305 | Sep66 | HAR | Asghar,M.+ |
| U238 | Strength Fn(l=0) | 5.7 | 3 | 5.7 | 3 | | | AreaAnalysis* | 1 | 70HELSNK/I- 403 | Jun70 | GEL | Carraro,W.+ |
| U238 | Strength Fn(l=0) | 1.0 | 3 | 5.8 | 3 | | | AreaAnalysis* | 12 | 71KNOXVILL/6 23 | Mar71 | GEL | Carraro,G.+ |
| U238 | Strength Fn(l=1) | 1.0 | 5 | 1.0 | 5 | | | Transmission | 1 | 64PARIS/II- 700 | Jul64 | HAR | Uttley,C.A. |
| U238 | Strength Fn(l=1) | 3.3 | 5 | 3.3 | 5 | | | | 1 | PL 13 70 | Nov64 | DKE | Seth,K.K.+ |
| U238 | Strength Fn(l=1) | 1.0 | 6 | 1.0 | 6 | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| U238 | Strength Fn(l=2) | 1.0 | 6 | 1.0 | 6 | | | | 2 | 66PARIS/I- 165 | Oct66 | HAR | Uttley,C.A.+ |
| U238 | Level Spacing | 1.5 | 2 | 1.5 | 2 | | | AreaAnalysis | 1 | AE 1 55 5 | 56 | CCP | Radkevich,I.A.+ |
| U238 | Level Spacing | 1.0 | 2 | 1.0 | 2 | | | AreaAnalysis | 1 | PR 103 1778 | Sep56 | MTR | Pluharty. |
| U238 | Level Spacing | 1.5 | 2 | 1.5 | 2 | | | AreaAnalysis | 1 | PR 105 661 | Jan57 | ANL | Bollinger. |
| U238 | Level Spacing | 2.0 | 3 | 2.0 | 3 | | | AreaAnalysis | 1 | PR 134B 985 | Jun64 | COL | Garg. |
| U238 | Lvl Spacing(l=0) | 1.8 | 3 | 1.8 | 3 | | | AreaAnalysis | 1 | NP 41 614 | 63 | HAR | Pirk. |
| U238 | Lvl Spacing(l=0) | 5.7 | 3 | 5.7 | 3 | | | * | 1 | 70HELSNK/I- 403 | Jun70 | GEL | Carraro,W.+ |
| U238 | Lvl Spacing(l=0) | 2.0 | 3 | 2.0 | 3 | | | AreaAnalysis* | 1 | 71KNOXVILL/6 23 | Mar71 | GEL | Carraro,G.+ |
| | FISSION CROSS SECT | | | | | | | | | | | | |
| U239 | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | Fission Det | 1 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| | NONELASTIC SCATT | | | | | | | | | | | | |
| U239 | Ang Distrib | 1.4 | 7 | 1.4 | 7 | | Absolute | TimeOfFlight* | 13 | 71KNOXVILL/2- 2A | Mar71 | SAC | Voignier,J.+ |
| | FISSION CROSS SECT | | | | | | | | | | | | |
| U241 | Sigma | 2.5 | -2 | 2.5 | -2 | | Au(n,$\gamma$) | Back-to-Back | 3 | TID- 7547 113 | 57 | CR | Tunnicliffe. |
| U241 | Sigma | 2.5 | -2 | 2.5 | -2 | S | Au(n,$\gamma$) | Back-to-Back | 2 | TID- 7547 113 | 57 | CR | Tunnicliffe. |
| U241 | Sigma | 2.5 | -2 | 2.5 | -2 | N | Au(n,$\gamma$) | Back-to-Back | 2 | TID- 7547 113 | 57 | CR | Tunnicliffe. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **FISSION CROSS SECT** | | | | | | | | | | |
| $Np^{236}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | PR 97 88 | Jan55 | ANL | Studier. |
| $Np^{236}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Coincidences | 1 | ANL-6600 124 | 62 | ANL | Jaffey. |
| | **NU-BAR** | | | | | | | | | | |
| $Np^{236}$ | Prompt | 2.5 -2 | 2.5 -2 | | | Coincidences | 1 | ANL-6600 124 | 62 | ANL | Jaffey. |
| $Np^{236}$ | Prompt | 2.5 -2 | 2.5 -2 | N | | Coincidences | 1 | ANL-6600 124 | 62 | ANL | Jaffey. |
| | **(n,γ) REACTION** | | | | | | | | | | |
| $Np^{237}$ | Sigma | 1.5 5 | 1.5 6 | | $U^{235}(n,f)$ | Activation | 8 | NSE 29 218 | Aug67 | ANL | Stupegia,D.C.+ |
| | **(n,2n) REACTION** | | | | | | | | | | |
| $Np^{237}$ | Sigma | 1.4 7 | 1.4 7 | | Al(n,alpha) | Activation | 1 | JNE 14 69 | 61 | ALD | Perkin,J.L.+ |
| | **(n,p) REACTION** | | | | | | | | | | |
| $Np^{237}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | **FISSION CROSS SECT** | | | | | | | | | | |
| $Np^{237}$ | Sigma | 2.5 5 | 3.0 6 | | | Back-to-Back | 16 | PR 72 88 | Jul47 | LAS | Sawyer,R.B.+ |
| $Np^{237}$ | Sigma | 4.6 5 | 1.4 7 | | σ(E≠E(th)) | Spiralfiss C | 52 | LA-2122 | Mar57 | LAS | Henkel. |
| $Np^{237}$ | Sigma | 1.5 7 | 1.5 7 | | | Ion Chamber | 1 | AE 4 190 | 58 | CCP | Protopopov,A.N.+ |
| $Np^{237}$ | Sigma | 5.3 6 | 5.3 6 | | | | 2 | 58GENEVA/16-136 | Sep58 | CCP | Pankratov. |
| $Np^{237}$ | Sigma | 2.5 6 | 8.3 6 | | | Ion Chamber | 13 | 58GENEVA/16-136 | Sep58 | CCP | Pankratov. |
| $Np^{237}$ | Sigma | 2.9 6 | 8.3 6 | S | | Ion Chamber | 16 | 58GENEVA/16-136 | Sep58 | CCP | Pankratov. |
| $Np^{237}$ | Sigma | 4.1 -2 | 5.2 0 | | | Crystal Spec | 100 | BAP 4 31 | Jan59 | HAN | Leonard. |
| $Np^{237}$ | Sigma | 1.2 4 | 1.5 6 | | | Ion Chamber | 25 | DOK 128 1157 | Sep59 | CCP | Gokhberg. |
| $Np^{237}$ | Sigma | 9.1 5 | 7.4 6 | | | Back-to-Back | 75 | PR 116 1575 | Dec59 | ORL | Schmitt,H.W.+ |
| $Np^{237}$ | Sigma | 1.6 6 | 7.4 6 | | $U^{238}(n,f)$ | Back-to-Back | 47 | PR 116 1575 | Dec59 | ORL | Schmitt,H.W.+ |
| $Np^{237}$ | Sigma | 9.6 6 | 2.2 7 | | | TimeOfFlight | 17 | AE 9 399 | 60 | CCP | Pankratov,V.M.+ |
| $Np^{237}$ | Sigma | 2.5 6 | 2.5 6 | | | | 1 | AE 14 177 | Feb63 | CCP | Pankratov. |
| $Np^{237}$ | Sigma | 5.2 6 | 2.6 7 | | | TimeOfFlight | 28 | AE 14 177 | Feb63 | CCP | Pankratov. |
| $Np^{237}$ | Sigma | 4.0 4 | 5.0 5 | | $U^{235}(n,f)$ | Back-to-Back | 5 | 65SALZB/I- 219 | Mar65 | ALD | White,P.H.+ |
| $Np^{237}$ | Sigma | 1.0 6 | 4.5 6 | | $U^{235}(n,f)$ | Back-to-Back | 8 | STEIN 65J | Oct65 | LAS | Stein. |
| $Np^{237}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | * | 6 | AEEW/R- 526 | Jun67 | WIN | Stevenson,J.M.+ |
| $Np^{237}$ | Sigma | 1.0 6 | 5.4 6 | | Ratio | Back-to-Back | 3 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| $Np^{237}$ | Sigma | 1.0 6 | 1.4 7 | N | $U^{235}(n,f)$ | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| $Np^{237}$ | Sigma | 1.0 6 | 4.5 6 | | Ratio | TimeOfFlight | 12 | 68WASH- 627 | Mar68 | LAS | Stein. |
| $Np^{237}$ | Sigma | 2.0 1 | 5.2 1 | | | TimeOfFlight* | 1171 | ZP 248 355 | Dec71 | GEL | Kolar,W.+ |
| $Np^{237}$ | Sigma | 1.0 0 | 5.0 3 | | | TimeOfFlight* | 5123 | PAYA 72A | Jan72 | SAC | Paya,D. |
| $Np^{237}$ | σ*Sqrt(E) | 4.1 -2 | 5.2 0 | | | Crystal Spec | 100 | BAP 4 31 | Jan59 | HAN | Leonard. |
| | **ABSORPTION X-SECT** | | | | | | | | | | |
| $Np^{237}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | ReactivityCo | 1 | IN-1195 | May68 | MTR | Scoville. |
| | **TOTAL CROSS-SECT** | | | | | | | | | | |
| $Np^{237}$ | Sigma | 2.0 -2 | 2.9 0 | | Absolute | Crystal Spec | 312 | PR 99 611 | Jul55 | MTR | Palevsky. |
| $Np^{237}$ | Sigma | 8.4 -3 | 9.7 0 | | Absolute | TimeOfFlight | 88 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $Np^{237}$ | Sigma | 2.7 0 | 1.2 4 | | Absolute | TimeOfFlight | 190 | AE 6 569 | 59 | CCP | Adamchuk. |
| $Np^{237}$ | Sigma | 2.2 -1 | 4.1 1 | | Absolute | TimeOfFlight | 743 | BAP 6 70 | 61 | ORL | Slaughter. |
| $Np^{237}$ | Sigma | 6.3 -1 | 4.0 3 | | | TimeOfFlight* | 13789 | PAYA 72A | Jan72 | SAC | Paya,D. |
| | **γ-WIDTH** | | | | | | | | | | |
| $Np^{237}$ | Γ(γ) | 4.9 -1 | 1.1 2 | | | Breit-Wigner* | 79 | PAYA 72A | Jan72 | SAC | Paya,D. |
| | **n-WIDTH** | | | | | | | | | | |
| $Np^{237}$ | Γ(n) | 1.3 0 | 1.3 0 | | | Crystal Spec | 2 | PR 107 525 | Jul57 | MTR | Smith. |
| $Np^{237}$ | 2gΓ(n) | 4.9 -1 | 4.9 -1 | | | Crystal Spec | 1 | PR 107 525 | Jul57 | MTR | Smith. |
| $Np^{237}$ | 2gΓ(n) | 4.9 -1 | 3.5 1 | | | Mass Spec | 32 | ORNL-2610 22 | 58 | ORL | Block. |
| $Np^{237}$ | 2gΓ(n) | 4.9 -1 | 9.4 0 | | | Shape Analys | 13 | BAP 4 270 | 59 | MTR | Cline. |
| $Np^{237}$ | 2gΓ(n) | 4.9 -1 | 2.4 2 | | | Breit-Wigner* | 249 | PAYA 72A | Jan72 | SAC | Paya,D. |
| $Np^{237}$ | 2gΓ(n,l=0) | 4.8 -1 | 1.0 2 | | | AreaAnalysis | 74 | ORNL-3085 42 | 61 | ORL | Slaughter. |
| | **FISSION WIDTH** | | | | | | | | | | |
| $Np^{237}$ | Γ(Fiss) | 4.9 -1 | 1.3 2 | | | Breit-Wigner* | 168 | PAYA 72A | Jan72 | SAC | Paya,D. |
| $Np^{237}$ | Γ(Fiss)σ(0) | 4.9 -1 | 1.3 2 | | | Breit-Wigner* | 168 | PAYA 72A | Jan72 | SAC | Paya,D. |
| $Np^{237}$ | Γ(Fiss)σ(0)/Γ | 4.9 -1 | 1.5 0 | | | Crystal Spec | 3 | LEONARD 61 | 61 | HAN | Leonard. |
| | **TOTAL WIDTH** | | | | | | | | | | |
| $Np^{237}$ | Γ | 4.9 -1 | 4.9 -1 | | | Crystal Spec | 1 | PR 107 525 | Jul57 | MTR | Smith. |
| $Np^{237}$ | Γ | 4.9 -1 | 4.9 -1 | | | Shape Analys | 1 | BAP 4 270 | 59 | MTR | Cline. |
| $Np^{237}$ | Γ | 4.9 -1 | 2.3 2 | | | Breit-Wigner* | 183 | PAYA 72A | Jan72 | SAC | Paya,D. |
| $Np^{237}$ | Γσ(0) | 4.9 -1 | 1.5 0 | | | Crystal Spec | 3 | PR 107 525 | Jul57 | MTR | Smith. |
| | **OTHER RESON PARAM** | | | | | | | | | | |
| $Np^{237}$ | Resonance Energy | 3.9 0 | 1.9 1 | | | TimeOfFlight | 15 | AE 6 569 | 59 | CCP | Adamchuk. |
| $Np^{237}$ | Resonance Energy | 1.0 1 | 3.5 1 | | | TimeOfFlight | 31 | BAP 4 270 | 59 | MTR | Cline. |
| $Np^{237}$ | Resonance Energy | 4.9 -1 | 2.4 2 | | | Breit-Wigner* | 249 | PAYA 72A | Jan72 | SAC | Paya,D. |
| $Np^{237}$ | σ(0) | 4.9 -1 | 4.9 -1 | | | Crystal Spec | 1 | PR 107 525 | Jul57 | MTR | Smith. |
| $Np^{237}$ | σ(0) | 4.9 -1 | 9.4 0 | | | Shape Analys | 13 | BAP 4 270 | 59 | MTR | Cline. |
| | **AVERAGED PARAM** | | | | | | | | | | |
| $Np^{237}$ | Strength Funct | 6.0 -1 | 6.0 -1 | | | Crystal Spec | 1 | PR 107 525 | Jul57 | MTR | Smith. |
| $Np^{237}$ | Strength Funct | 1.2 1 | 1.2 1 | | | Mass Spec | 1 | ORNL-2610 22 | 58 | ORL | Block. |
| $Np^{237}$ | Strength Funct | 6.0 3 | 6.0 3 | | | AverageTrans | 1 | AE 6 569 | 59 | CCP | Adamchuk. |
| $Np^{237}$ | Strength Funct | 5.0 1 | 5.0 1 | | | AreaAnalysis | 1 | ORNL-3085 42 | 61 | ORL | Slaughter. |
| $Np^{237}$ | Strength Fn(l=0) | 2.0 3 | 2.0 3 | | | | 1 | EANDC/E- 76 162 | Jan67 | SAC | Paya,D.+ |
| $Np^{237}$ | Level Spacing | 6.0 -1 | 6.0 -1 | | | Crystal Spec | 1 | PR 107 525 | Jul57 | MTR | Smith. |
| $Np^{237}$ | Level Spacing | 6.0 0 | 6.0 0 | | | Mass Spec | 1 | ORNL-2610 22 | 58 | ORL | Block. |
| $Np^{237}$ | Level Spacing | 1.1 1 | 1.1 1 | | | AverageTrans | 1 | AE 6 569 | 59 | CCP | Adamchuk. |
| $Np^{237}$ | Level Spacing | 1.4 1 | 1.4 1 | | | AreaAnalysis | 1 | ORNL-3085 42 | 61 | ORL | Slaughter. |
| $Np^{237}$ | Lvl Spacing(l=0) | 4.0 0 | 4.0 0 | | | | 1 | EANDC/E- 76 162 | Jan67 | SAC | Paya,D.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION CROSS SECT | | | | | | | | | | |
| $Np^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Back-to-Back | 1 | TAN 12 284 | Jun69 | SRL | Spencer. |
| $Np^{238}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $U^{235}$(n,f) | Back-to-Back | 1 | TAN 12 284 | Jun69 | SRL | Spencer. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MISC SCATT QUANT | | | | | | | | | | |
| Pu | σ(Coherent) | 4.2 -2 | 4.2 -2 | | | Diffraction | 1 | ACR 15 351 | Jul62 | LAS | Roof,R.B. |
| Pu | Scatt Amplitude | 4.2 -2 | 4.2 -2 | | | Diffraction | 1 | ACR 15 351 | Jul62 | LAS | Roof,R.B. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| Pu | Sigma | 2.6 7 | 2.6 7 | S | Absolute | Biased Scint | 1 | WASH- 194 76 | Jul57 | LRL | Bratenahl,A.+ |
| | FISSION FRAGMENTS | | | | | | | | | | |
| $Pu^{234}$ | Yield | 2.5 -2 | 2.5 -2 | | Ratio | Mass Spec | 13 | AE 2 276 | Mar57 | CCP | Krizhanskii,L.M.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Activation | 1 | ANL-4215 17 | Oct48 | ANL | Bruehlman. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | S | $Pu^{239}$ | Activation | 1 | ANL-4215 17 | Oct48 | ANL | Bruehlman. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Activation | 1 | ANL-4215 17 | Oct48 | ANL | Bruehlman. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 2 | PR/CM- 3 12 | Sep55 | CR | Butler. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Co^{59}$ | Mass Spec | 2 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 107 1294 | Sep57 | LRL | Hulet. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Activation | 1 | PR 107 1294 | Sep57 | LRL | Hulet. |
| $Pu^{238}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | PR/CM- 3 12 | Sep55 | CR | Butler. |
| $Pu^{238}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{238}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{238}$ | Reson Integral | 5.0 -1 | 5.0 -1 | N | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| | n-EMISSION | | | | | | | | | | |
| $Pu^{238}$ | Sigma | 1.7 6 | 1.7 6 | | | | 1 | STUBBINS 65I | Sep65 | LAS | Stubbins. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | PR 81 893 | Mar51 | CR | Hanna. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Back-to-Back | 1 | PR 107 1294 | Sep57 | LRL | Hulet. |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | BAP 7 305 | Apr62 | MTR | Young. |
| $Pu^{238}$ | Sigma | 1.4 5 | 1.7 6 | | $U^{235}(n,f)$ | Gas Scint | 78 | BAP 8 369 | 63 | ANL | Butler. |
| $Pu^{238}$ | Sigma | 7.2 5 | 7.2 5 | | | Ion Chamber | 1 | YF 3 479 | Mar66 | CCP | Vorotnikov. |
| $Pu^{238}$ | Sigma | 5.0 4 | 1.4 6 | | σ(E≠E(th)) | Ion Chamber | 30 | YF 3 479 | Mar66 | CCP | Vorotnikov. |
| $Pu^{238}$ | Sigma | 2.4 -2 | 4.2 2 | | σ(Thermal) | TimeOfFlight | 233 | 66PARIS/II-129 | Oct66 | KUR | Gerasimov. |
| $Pu^{238}$ | Sigma | 2.0 0 | 3.0 2 | | σ(E≠E(th)) | CrystalScint | 253 | PR 154 1111 | Feb67 | LRL | Stubbins,W.F.+ |
| $Pu^{238}$ | Sigma | 3.0 6 | 3.0 6 | | $U^{235}(n,f)$ | | 1 | PR 154 1111 | Feb67 | LRL | Stubbins,W.F.+ |
| $Pu^{238}$ | Sigma | 1.5 7 | 1.5 7 | | $U^{238}(n,f)$ | Diff Sig Int | 1 | YF 5 966 | May67 | CCP | Fomushkin. |
| $Pu^{238}$ | Sigma | 1.0 6 | 1.5 7 | | $U^{235}(n,f)$ | Solidstate C | 4 | PR 162 1070 | Oct67 | LAS | Barton,D.M.+ |
| $Pu^{238}$ | Sigma | 5.0 5 | 1.5 6 | | $U^{235}(n,f)$ | | 5 | AE 25 527 | 68 | CCP | Ermagambetov. |
| $Pu^{238}$ | Sigma | 2.0 6 | 1.7 7 | | $U^{238}(n,f)$ | | 15 | AE 25 527 | 68 | CCP | Ermagambetov. |
| $Pu^{238}$ | Sigma | 5.0 5 | 1.5 6 | | $U^{235}(n,f)$ | | 5 | AE 25 527 | 68 | OBN | Ermagambetov. |
| $Pu^{238}$ | Sigma | 2.0 6 | 1.7 7 | | $U^{238}(n,f)$ | | 15 | AE 25 527 | 68 | OBN | Ermagambetov. |
| $Pu^{238}$ | Sigma | 1.7 1 | 2.9 6 | | | TimeOfFlight* | 3564 | LA-4108 MS | May69 | LAS | Silbert,M.G. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | IN-1026 | Mar67 | MTR | Young. |
| $Pu^{238}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | IN-1026 | Mar67 | MTR | Young. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pu^{238}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | BAP 7 305 | Apr62 | MTR | Young. |
| $Pu^{238}$ | Sigma | 8.2 -3 | 6.5 3 | | Absolute | TimeOfFlight | 785 | IN-1026 | Mar67 | MTR | Young. |
| $Pu^{238}$ | Sigma | 8.2 -3 | 6.5 3 | | Absolute | TimeOfFlight | 595 | NSE 30 355 | Dec67 | MTR | Young. |
| | γ-WIDTH | | | | | | | | | | |
| $Pu^{238}$ | Γ(γ) | -1.0 1 | 1.9 1 | | | | 5 | IN-1026 | Mar67 | MTR | Young. |
| $Pu^{238}$ | Γ(γ) | 2.9 0 | 1.9 1 | | | AreaAnalysis | 3 | IN-1026 | Mar67 | MTR | Young. |
| $Pu^{238}$ | Γ(γ) | -1.0 1 | 1.9 1 | | | Shape Analys | 5 | IN-1026 | Mar67 | MTR | Young. |
| $Pu^{238}$ | Γ(γ) | 2.9 0 | 1.9 7 | | | | 3 | NSE 30 355 | Dec67 | MTR | Young. |
| $Pu^{238}$ | Γ(γ) | 2.9 0 | 1.9 7 | | | AreaAnalysis | 3 | NSE 30 355 | Dec67 | MTR | Young. |
| $Pu^{238}$ | Γ(γ) | -1.0 1 | 1.9 7 | | | Shape Analys | 5 | NSE 30 355 | Dec67 | MTR | Young. |
| | n-WIDTH | | | | | | | | | | |
| $Pu^{238}$ | Γ(n) | 2.9 0 | 1.9 1 | | | | 3 | IDO-16805 8 | 62 | MTR | Young. |
| $Pu^{238}$ | Γ(n,l=0) | -5.0 -1 | 1.9 1 | | | | 4 | IDO-16805 8 | 62 | MTR | Young. |
| $Pu^{238}$ | Γ(n,l=0) | -1.0 1 | 1.9 2 | | | | 16 | IN-1026 | Mar67 | MTR | Young. |
| $Pu^{238}$ | Γ(n,l=0) | 2.9 0 | 1.9 2 | | | AreaAnalysis | 14 | IN-1026 | Mar67 | MTR | Young. |
| $Pu^{238}$ | Γ(n,l=0) | -1.0 1 | 1.9 2 | | | Shape Analys | 16 | IN-1026 | Mar67 | MTR | Young. |
| $Pu^{238}$ | Γ(n,l=0) | 2.9 0 | 1.9 7 | | | | 14 | NSE 30 355 | Dec67 | MTR | Young. |
| $Pu^{238}$ | Γ(n,l=0) | 2.9 0 | 1.9 7 | | | AreaAnalysis | 14 | NSE 30 355 | Dec67 | MTR | Young. |
| $Pu^{238}$ | Γ(n,l=0) | -1.0 1 | 1.9 7 | | | Shape Analys | 16 | NSE 30 355 | Dec67 | MTR | Young. |
| | FISSION WIDTH | | | | | | | | | | |
| $Pu^{238}$ | Γ(Fiss)σ(0) | 2.9 0 | 8.3 1 | | | | 5 | 66PARIS/II-129 | Oct66 | KUR | Gerasimov. |
| $Pu^{238}$ | Γ(f)Γ(n,l=0)/Γ | 2.9 0 | 2.8 2 | | | AreaAnalysis | 16 | PR 154 1111 | Feb67 | LRL | Stubbins,W.F.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Pu^{238}$ | Γ | -5.0 -1 | 1.9 1 | | | | 4 | IDO-16805 8 | 62 | MTR | Young. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Pu^{238}$ | Resonance Energy | 6.0 1 | 8.3 1 | | | | 3 | IDO-16805 8 | 62 | MTR | Young. |
| $Pu^{238}$ | Resonance Energy | 1.9 1 | 5.0 2 | | | TimeOfFlight* | 46 | LA-4108 MS | May69 | LAS | Silbert,M.G. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Pu^{238}$ | Strength Fn(l=0) | 1.0 2 | 1.0 2 | | | | 1 | IN-1026 | Mar67 | MTR | Young. |
| $Pu^{238}$ | Level Spacing | 1.4 2 | 1.4 2 | | | | 1 | PR 154 1111 | Feb67 | LRL | Stubbins,W.F.+ |
| $Pu^{238}$ | Level Spacing | 5.0 2 | 5.0 2 | | | TimeOfFlight* | 1 | LA-4108 MS | May69 | LAS | Silbert,M.G. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 3.0 4 | 9.0 5 | | | | 4 | AE 1 21 | 56 | CCP | Spivak. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Mass Spec | 2 | CRR-622 | May57 | CR | Hurst. |
| $Pu^{239}$ | Sigma | 2.4 4 | 8.8 5 | | | | 3 | AE 4 185 | 58 | CCP | Andreev. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | 58GENEVA/16- 83 | Sep58 | CR | Craig. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 3.0 4 | 1.0 6 | | | | 9 | NSE 12 169 | 62 | LAS | Hopkins,J.C.+ |
| $Pu^{239}$ | Sigma | 3.0 4 | 1.0 6 | N | | | 9 | NSE 12 169 | 62 | LAS | Hopkins,J.C.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | JIN 28 2467 | Nov66 | HAR | Cabell,M.J.+ |
| $Pu^{239}$ | Sigma | 2.0 2 | 3.0 4 | C | Arb Units | * | 21 | 70HELSNK/I- 315 | Jun70 | HAR | Schomberg,M.G.+ |
| $Pu^{239}$ | σ*Sqrt(E) | 6.8 0 | 1.0 3 | P | σ(E≠E(th)) | TimeOfFlight | 2836 | ORNL/TM-2598 | Oct69 | RPI | Gwin. |
| $Pu^{239}$ | σ*Sqrt(E) | 1.9 -2 | 5.1 1 | P | σ(Thermal) | TimeOfFlight | 1272 | ORNL/TM-2598 | Oct69 | RPI | Gwin. |
| | γ EMISSION | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 1.1 6 | 1.5 7 | | | Diff Sig Int | 6 | ORO/2791-17 | Jun66 | TNC | Nellis,D.O.+ |
| $Pu^{239}$ | Ang Distrib | 1.1 6 | 1.5 7 | | H(n,n) | γ-Spectromet | 63 | ORO/2791-17 | Jun66 | TNC | Nellis,D.O.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 1.9 5 | 3.8 5 | | H(n,n) | TimeOfFlight* | 5 | ZP 228 286 | Oct69 | GEL | Knitter,H.H.+ |
| $Pu^{239}$ | Ang Distrib | 5.0 5 | 1.0 6 | | | RecoilChambr | 17 | PR 104 731 | Nov56 | LAS | Allen. |
| $Pu^{239}$ | Ang Distrib | 2.0 6 | 4.0 6 | | H(n,n) | TimeOfFlight* | 27 | AWRE/O/69- 55 | Aug69 | ALD | Batchelor,R.+ |
| $Pu^{239}$ | Legendre Fit | 1.9 5 | 3.8 5 | | H(n,n) | TimeOfFlight* | 25 | ZP 228 286 | Oct69 | GEL | Knitter,H.H.+ |
| | ELASTIC+SOME INEL | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 5.0 5 | 1.0 6 | | | Diff Sig Int | 2 | PR 104 731 | Nov56 | LAS | Allen. |
| $Pu^{239}$ | Sigma | 5.5 5 | 2.0 6 | | H(n,n) | Diff Sig Int | 3 | LA-2177 | Jan59 | LAS | Cranberg. |
| $Pu^{239}$ | Ang Distrib | 5.0 5 | 5.0 5 | | | RecoilChambr | 1 | PR 104 731 | Nov56 | LAS | Allen. |
| $Pu^{239}$ | Ang Distrib | 2.0 6 | 2.0 6 | | H(n,n) | Biased Scint | 16 | LA-2177 | Jan59 | LAS | Cranberg. |
| $Pu^{239}$ | Ang Distrib | 1.5 5 | 2.4 5 | | | * | 20 | AERE/R-5972 | Mar69 | HAR | Cavanagh,P.E.+ |
| $Pu^{239}$ | Ang Distrib | 1.5 5 | 1.6 6 | | | TimeOfFlight | 114 | AERE/R-5972 | Mar69 | HAR | Cavanagh,P.E.+ |
| | INEL SCATTERING | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 5.5 5 | 2.0 6 | | H(n,n) | TimeOfFlight | 5 | LA-2177 | Jan59 | LAS | Cranberg. |
| $Pu^{239}$ | Sigma | 9.5 5 | 9.5 5 | | | Threshold C | 1 | SPN- 211 | 61 | CCP | Andreev,V.N. |
| $Pu^{239}$ | Sigma | 2.0 6 | 4.0 6 | | H(n,n) | TimeOfFlight* | 3 | AWRE/O/69- 55 | Aug69 | ALD | Batchelor,R.+ |
| $Pu^{239}$ | Ang Distrib | 2.4 5 | 1.3 6 | | | | 49 | AERE/R-5972 | Mar69 | HAR | Cavanagh,P.E.+ |
| $Pu^{239}$ | Spectrum | 2.0 6 | 4.0 6 | | H(n,n) | TimeOfFlight* | 40 | AWRE/O/69- 55 | Aug69 | ALD | Batchelor,R.+ |
| | MISC SCATT QUANT | | | | | | | | | | |
| $Pu^{239}$ | σ(Bound Atom) | 6.0 0 | 6.0 0 | | | Breit-Wigner | 1 | CUD- 92 | May51 | COL | Havens. |
| $Pu^{239}$ | σ(Bound Atom) | 5.0 0 | 5.0 0 | | | Breit-Wigner | 1 | JNE 2 187 | 56 | HAR | Pattenden. |
| | (n,p) REACTION | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 1.5 7 | 1.5 7 | | Al(n,alpha) | Activation | 1 | PPS 73 215 | 59 | ALD | Coleman,R.F.+ |
| | (n,alpha) REACTION | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Ta^{181}$ | Coincidences | 1 | YF 1 252 | Feb65 | CCP | Andreev,V.N.+ |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 1.1 -2 | 5.4 -1 | | Boron | Crystal Spec | 80 | CRGP- 458 | 51 | CR | Tunnicliffe. |
| $Pu^{239}$ | Sigma | 1.1 -2 | 5.4 -1 | N | σ(Thermal) | Crystal Spec | 78 | CRGP- 458 | 51 | CR | Tunnicliffe. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 5.0 -2 | N | Boron | Crystal Spec | 2 | CRGP- 458 | 51 | CR | Tunnicliffe. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 2 | ANL-5411 10 | 55 | ANL | Gilbreath. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Ion Chamber | 1 | ANL-5397 | Mar55 | ANL | Jaffey. |
| $Pu^{239}$ | Sigma | 1.2 -2 | 9.7 2 | | σ(Thermal) | TimeOfFlight | 237 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $Pu^{239}$ | Sigma | 4.3 -3 | 9.8 -1 | | σ(Thermal) | TimeOfFlight | 56 | 55GENEVA/ 4-235 | Aug55 | SAC | Auclair. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NRDC- 84 9(3) | Dec55 | HAR | |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 2 | NRDC- 84 11 | Dec55 | HAR | Raffle. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | TimeOfFlight | 1 | NRDC- 84 11 | Dec55 | HAR | Raffle. |
| $Pu^{239}$ | Sigma | 6.8 -3 | 6.9 2 | | σ(Thermal) | TimeOfFlight | 175 | JNE 2 177 | 56 | HAR | Richmond. |
| $Pu^{239}$ | Sigma | 2.7 1 | 3.5 4 | | | TimeOfFlight | 262 | BAP 1 187 | Apr56 | ANL | Cote. |
| $Pu^{239}$ | Sigma | 4.2 -1 | 4.3 1 | S | | Gas Scint | 226 | BAP 1 187 | Apr56 | ANL | Cote. |
| $Pu^{239}$ | Sigma | 1.4 7 | 1.4 7 | | Ratio | Back-to-Back | 1 | AERE/NP/R-1996 | Jun56 | HAR | Uttley. |
| $Pu^{239}$ | Sigma | 1.4 7 | 1.5 7 | | $U^{238}$(n,f) | Back-to-Back | 2 | AERE/NP/R-1996 | Jun56 | HAR | Uttley. |
| $Pu^{239}$ | Sigma | 5.0 -3 | 2.5 0 | | σ(Thermal) | Crystal Spec | 143 | LEONARD 56F | Jun56 | HAN | Leonard. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 1 | ORNL-2081 102 | Nov56 | ORL | Pratt. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $U^{235}$(n,f) | Back-to-Back | 2 | ORNL-2081 102 | Nov56 | ORL | Pratt. |
| $Pu^{239}$ | Sigma | 2.0 4 | 5.0 6 | | Absolute | Shell Trans | 5 | AE 2 10 | 57 | CCP | Dorofeev,G.A.+ |
| $Pu^{239}$ | Sigma | 3.0 4 | 3.0 6 | | σ(E≠E(th)) | Ion Chamber | 22 | PPS 70 573 | 57 | HAR | Allen. |
| $Pu^{239}$ | Sigma | 5.5 5 | 1.5 6 | | H(n,n) | Ion Chamber | 2 | PPS 70 573 | 57 | HAR | Allen. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Ratio /$U^{235}$ | Fission Det | 1 | TID- 7547 112 | 57 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Ratio | Fission Det | 2 | TID- 7547 112 | 57 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Back-to-Back | 1 | TID- 7547 113 | 57 | CR | Tunnicliffe. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 1.0 -1 | | Au(n,γ) | Crystal Spec | 2 | HW-48893 98 | Mar57 | HAN | Leonard. |
| $Pu^{239}$ | Sigma | 5.0 4 | 1.4 6 | | $U^{235}$(n,f) | Ion Chamber | 11 | LA-2114 | May57 | LAS | Henkel. |
| $Pu^{239}$ | Sigma | 1.0 6 | 1.0 6 | | Absolute | Proportion C* | 1 | JNE 4 133 | Jun57 | HAR | Rose,H.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Crystal Spec | 1 | TID- 7547 115 | Sep57 | HAN | Leonard. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 1 | TID- 7547 115 | Sep57 | HAN | Leonard. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Back-to-Back | 1 | UK/C/6-125 | Sep57 | CR | |
| $Pu^{239}$ | Sigma | 2.5 -3 | 4.7 -3 | | σ(E≠E(th)) | Crystal Spec | 10 | HW-55879 3 | Apr58 | HAN | Seppi. |
| $Pu^{239}$ | Sigma | 2.4 -2 | 4.8 -1 | | | Gas Scint | 48 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Sigma | 4.0 -1 | 5.7 -1 | | | Neutron Det | 12 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Sigma | 4.6 -1 | 4.3 1 | | | TimeOfFlight | 316 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Fission Det | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Back-to-Back | 6 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 4 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{233}$ | Fission Det | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Fission Det | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 3.0 6 | 8.3 6 | | | Ion Chamber | 13 | 58GENEVA/16-136 | Sep58 | CCP | Pankratov. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Fission Det | 2 | AERE/R-2998 | Jul59 | HAR | |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | TimeOfFlight | 1 | AERE/R-2998 | Jul59 | HAR | |
| $Pu^{239}$ | Sigma | 1.3 7 | 1.9 7 | | $U^{238}$(n,f) | Ion Chamber | 13 | JNE 14 85 | 61 | ALD | Adams. |
| $Pu^{239}$ | Sigma | 2.9 5 | 2.5 6 | | $U^{238}$(n,f) | Ion Chamber | 44 | AE 13 366 | Oct62 | CCP | Smirenkin. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | R | | | 1 | SEABORG 63 | 63 | USA | Seaborg. |
| $Pu^{239}$ | Sigma | 1.0 3 | 3.7 4 | | | TimeOfFlight | 28 | EANDC- 33 14 | Sep63 | HAR | James,G.D. |
| $Pu^{239}$ | Sigma | 1.6 3 | 1.4 6 | | | Ion Chamber | 42 | DOK 157 561 | 64 | CCP | Dubrovina. |
| $Pu^{239}$ | Sigma | 3.2 0 | 3.0 1 | | | TimeOfFlight | 19 | AE 16 110 | Feb64 | ITE | Ignatiev,K.G.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Fission Det | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Activation | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| $Pu^{239}$ | Sigma | 1.0 3 | 1.5 4 | | | Gas Scint | 99 | AERE/PR/NP- 6 3 | Apr64 | HAR | James. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION CROSS SECT (CONTINUED) | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 3 | AE 17 113 | Aug64 | CCP | Bondarenko,I.I.+ |
| $Pu^{239}$ | Sigma | 4.0 4 | 5.0 5 | | $U^{235}(n,f)$ | Back-to-Back | 5 | 65SALZB/I- 219 | Mar65 | ALD | White,P.H.+ |
| $Pu^{239}$ | Sigma | 3.2 -2 | 6.3 -2 | | Boron | | 2 | 65SALZB/I- 255 | Mar65 | ISP | Praysse,G.+ |
| $Pu^{239}$ | Sigma | 2.7 -1 | 2.7 -1 | | Boron | Gas Scint | 1 | 65SALZB/I- 255 | Mar65 | ISP | Praysse,G.+ |
| $Pu^{239}$ | Sigma | 3.2 -2 | 6.3 -2 | | $U^{235}(n,f)$ | | 2 | 65SALZB/I- 255 | Mar65 | ISP | Praysse,G.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | C | $\sigma(E\neq E(th))$ | Extrapolatn | 3 | 65SALZB/I- 255 | Mar65 | ISP | Praysse,G.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 5.0 4 | | $Pu^{239}$ | Activation | 2 | AE 19 292 | Sep65 | CCP | Stavisskii,Yu. |
| $Pu^{239}$ | Sigma | 1.3 7 | 1.5 7 | | $U^{238}(n,f)$ | Accelerator | 5 | INR- 688/I/PH | Feb66 | JAD | Czyzewski. |
| $Pu^{239}$ | Sigma | 2.0 1 | 3.0 4 | | | TimeOfFlight | 2867 | 66WASH- 979 | Mar66 | LAS | Shunk,E.R.+ |
| $Pu^{239}$ | Sigma | 1.6 0 | 1.0 1 | | Norm To Abs | TimeOfFlight | 337 | BROOKS 66H | Aug66 | HAR | Brooks. |
| $Pu^{239}$ | Sigma | 5.3 3 | 1.5 5 | | Ratio | Gas Scint | 70 | 66PARIS/I- 295 | Oct66 | KPK | Gilboy,W.B. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 66PARIS/II- 17 | Oct66 | CR | Durham,R.W.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Back-to-Back | 1 | 66PARIS/II- 29 | Oct66 | ALD | White,P.H.+ |
| $Pu^{239}$ | Sigma | 1.6 -2 | 5.4 -1 | | Ratio | Back-to-Back | 9 | 66PARIS/II- 29 | Oct66 | ALD | White,P.H.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | C | $U^{235}(n,f)$ | Back-to-Back | 2 | 66PARIS/II- 29 | Oct66 | ALD | White,P.H.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | C | Ratio | Back-to-Back | 2 | 66PARIS/II- 29 | Oct66 | ALD | White,P.H.+ |
| $Pu^{239}$ | Sigma | 3.8 0 | 4.0 1 | N | | TimeOfFlight | 1099 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| $Pu^{239}$ | Sigma | 5.5 0 | 2.3 4 | | | Liquid Scint | 1396 | YP 5 925 | May67 | DUB | Yung-Chang Wang.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | * | 5 | AEEW/R- 526 | Jun67 | WIN | Stevenson,J.M.+ |
| $Pu^{239}$ | Sigma | 1.0 6 | 1.4 7 | | $U^{235}(n,f)$ | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| $Pu^{239}$ | Sigma | 1.0 6 | 1.4 7 | | Ratio | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| $Pu^{239}$ | Sigma | 3.0 6 | 1.5 7 | | $U^{235}(n,f)$ | Solidstate C | 2 | PR 162 1070 | Oct67 | LAS | Barton,D.M.+ |
| $Pu^{239}$ | Sigma | 1.0 2 | 3.0 4 | | Another Reac | TimeOfFlight* | 5332 | EANDC/UK- 96 | 68 | HAR | Patrick,B.H.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Fission Det * | 1 | JNE 22 477 | Aug68 | ALD | Keth,R.L.G.+ |
| $Pu^{239}$ | Sigma | 4.0 1 | 2.0 4 | N | | TimeOfFlight* | 7112 | CR 267 901 | Oct68 | SAC | Blons,J.+ |
| $Pu^{239}$ | Sigma | 1.5 3 | 2.5 4 | | | TimeOfFlight | 11 | RJABOV 69P | Jun69 | CCP | Rjabov,U.V.+ |
| $Pu^{239}$ | Sigma | 1.5 2 | 2.5 4 | | $\sigma(E\neq E(th))$ | Liquid Scint | 40 | ORNL/TM-2598 | Oct69 | RPI | Gwin. |
| $Pu^{239}$ | Sigma | 2.4 2 | 2.4 4 | | Ratio $/U^{235}$ | Slowing-Down* | 26 | NSE 39 361 | Mar70 | ANL | Lehto,W.K. |
| $Pu^{239}$ | Sigma | 5.2 3 | 1.0 6 | | Ratio | TimeOfFlight* | 48 | NSE 40 375 | Jun70 | KPK | Pfletschinger,E.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | TimeOfFlight* | 1 | 70HELSNK/I- 117 | Jun70 | GEL | Deruytter,A.J.+ |
| $Pu^{239}$ | Sigma | 3.5 4 | 9.7 5 | | Absolute | TimeOfFlight* | 13 | 70HELSNK/I- 229 | Jun70 | CAD | Szabo,I.+ |
| $Pu^{239}$ | Sigma | 2.0 2 | 3.0 4 | | Boron | TimeOfFlight* | 21 | 70HELSNK/I- 315 | Jun70 | HAR | Schomberg,M.G.+ |
| $Pu^{239}$ | Sigma | 5.0 1 | 3.0 4 | | | TimeOfFlight* | 26 | 70HELSNK/I- 513 | Jun70 | SAC | Blons,J.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | TimeOfFlight* | 1 | IPA/NR- 33 | Jul70 | BUC | Borcea,C.+ |
| $Pu^{239}$ | Sigma | 1.1 4 | 2.0 5 | | Absolute | TimeOfFlight* | 15 | 71KNOXVILL/5 6 | Mar71 | CAD | Szabo,I.+ |
| $Pu^{239}$ | Sigma | 1.1 4 | 2.0 5 | | Ratio | TimeOfFlight* | 15 | 71KNOXVILL/5 6 | Mar71 | CAD | Szabo,I.+ |
| $Pu^{239}$ | Sigma | 3.8 1 | 3.0 4 | | Boron | TimeOfFlight | 7295 | BLONS 71K | Nov71 | SAC | Blons,J.+ |
| $Pu^{239}$ | $\sigma$*Sqrt(E) | 5.0 -3 | 2.5 0 | | $\sigma$(Thermal) | Crystal Spec | 144 | LEONARD 56P | Jun56 | HAN | Leonard. |
| $Pu^{239}$ | $\sigma$*Sqrt(E) | 2.5 -3 | 2.5 -3 | | | Crystal Spec | 1 | HW-55879 3 | Apr58 | HAN | Seppi. |
| $Pu^{239}$ | $\sigma$*Sqrt(E) | 2.7 -3 | 4.7 -3 | | $\sigma(E\neq E(th))$ | Crystal Spec | 9 | HW-55879 3 | Apr58 | HAN | Seppi. |
| $Pu^{239}$ | $\sigma$*Sqrt(E) | 1.9 -2 | 3.4 -2 | | Au(n,$\gamma$) | TimeOfFlight | 6 | AERE/R-2998 | Jul59 | HAR | |
| $Pu^{239}$ | $\sigma$*Sqrt(E) | 3.1 0 | 9.9 1 | | | TimeOfFlight | 628 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| $Pu^{239}$ | $\sigma$*Sqrt(E) | 7.6 -4 | 4.0 -3 | | $Pu^{239}$ | TimeOfFlight* | 38 | BRP 12 43 | Jan67 | BUC | Grama,N.+ |
| $Pu^{239}$ | $\sigma$*Sqrt(E) | 6.8 0 | 1.0 3 | P | $\sigma(E\neq E(th))$ | TimeOfFlight | 2836 | ORNL/TM-2598 | Oct69 | RPI | Gwin. |
| $Pu^{239}$ | $\sigma$*Sqrt(E) | 1.9 -2 | 4.7 1 | P | $\sigma$(Thermal) | TimeOfFlight | 1254 | ORNL/TM-2598 | Oct69 | RPI | Gwin. |
| $Pu^{239}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,$\gamma$) | Fission Det | 1 | NSE 9 341 | Mar61 | BET | Hardy. |
| $Pu^{239}$ | Reson Integral | 4.5 -1 | 4.5 -1 | | Au(n,$\gamma$) | Fission Det | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| $Pu^{239}$ | Reson Integral | 4.5 -1 | 4.5 -1 | | $U^{235}(n,f)$ | Activation | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| $Pu^{239}$ | Reson Integral | 1.0 6 | 1.0 6 | | Au(n,$\gamma$) | Fission Det * | 1 | AE- 181 | Apr65 | AE | Hellstrand,E. |
| $Pu^{239}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,$\gamma$) | | 1 | NST 4 43 | Jan67 | JAE | Yasuno,T. |
| | FISSION FRAGMENTS | | | | | | | | | | |
| $Pu^{239}$ | Yield | 2.5 -2 | 2.5 -2 | | | Mass Spec | 2 | AE 4 77 | Jan58 | CCP | Krizhanskii,L.M.+ |
| $Pu^{239}$ | Yield | 1.0 6 | 1.0 6 | | | | 2 | SPN- 159 | 61 | CCP | Petrzhak,K.A. |
| $Pu^{239}$ | Yield | 1.0 6 | 1.0 6 | | Absolute | | 4 | SPN- 159 | 61 | CCP | Petrzhak,K.A. |
| $Pu^{239}$ | Yield | 1.0 6 | 1.0 6 | | Ratio | | 1 | SPN- 159 | 61 | CCP | Petrzhak,K.A. |
| $Pu^{239}$ | Yield | 2.5 -2 | 2.5 -2 | | Absolute | | 28 | CJC 43 249 | Jan65 | MCG | Marsen,D.A.+ |
| $Pu^{239}$ | Yield | 2.5 -2 | 5.0 -1 | | | | 14 | 65SALZB/I- 355 | Mar65 | HAR | Croall,I.F.+ |
| | NU-BAR | | | | | | | | | | |
| $Pu^{239}$ | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | Ratio | Ion Chamber | 1 | 55MOSKVA-123 | Jul55 | CCP | Kalashnikova. |
| $Pu^{239}$ | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| $Pu^{239}$ | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | Ratio | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| $Pu^{239}$ | Prompt+Delayed | 2.5 -2 | 2.5 -2 | N | $U^{235}(n,f)$ | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Coincidences | 1 | LA- 104 | 44 | LAS | Dewire. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Activation | 1 | LA- 102 | Jun44 | LAS | Snyder. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | | Coincidences | 1 | 55MOSKVA-131 | Jul55 | CCP | Kalashnikov. |
| $Pu^{239}$ | Prompt | 4.0 6 | 4.5 6 | | | Shell Trans | 2 | LA-1939 | Aug55 | LAS | Bethe. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Coincidences | 1 | JNE 2 247 | 56 | HAR | Sanders. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 1 | JNE 2 247 | 56 | HAR | Sanders. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | N | $U^{235}(n,f)$ | Coincidences | 1 | JNE 2 247 | 56 | HAR | Sanders. |
| $Pu^{239}$ | Prompt | 8.0 4 | 8.0 4 | | $U^{235}(n,f)$ | ModeratrTank | 1 | PR 101 1012 | Feb56 | LAS | Diven. |
| $Pu^{239}$ | Prompt | 8.0 4 | 8.0 4 | N | $U^{235}(n,f)$ | ModeratrTank | 1 | PR 101 1012 | Feb56 | LAS | Diven. |
| $Pu^{239}$ | Prompt | 4.0 6 | 1.5 7 | | $\sigma$(Thermal) | Coincidences | 4 | AE 4 188 | 58 | CCP | Smirenkin. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 1 | CEA/R- 652 | 58 | SAC | Jacob. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{233}$ | Coincidences | 1 | CEA/R- 652 | 58 | SAC | Jacob. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 2 | 58GENEVA/16-121 | Sep58 | HAR | Colvin. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Hornyak Butn | 1 | NSE 5 49 | 59 | ORL | Desaussure. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Hornyak Butn | 1 | NSE 5 49 | 59 | ORL | Desaussure. |
| $Pu^{239}$ | Prompt | 1.4 7 | 1.4 7 | | | | 1 | JPR 21 617 | Sep60 | SAC | Leroy,J. |
| $Pu^{239}$ | Prompt | 1.4 7 | 1.4 7 | | $U^{235}(n,f)$ | | 1 | JPR 21 617 | Sep60 | SAC | Leroy,J. |
| $Pu^{239}$ | Prompt | 2.5 -2 | 1.5 7 | | $Cf^{252}(Nu)$ | ModeratrTank | 7 | NP 48 433 | 63 | LAS | Hopkins,J.C.+ |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 1 | 65SALZB/II- 25 | Mar65 | HAR | Colvin,D.W.+ |
| $Pu^{239}$ | Prompt | 2.5 -2 | 4.0 6 | | $Cf^{252}(Nu)$ | Liquid Scint | 5 | NP 66 149 | Apr65 | ALD | Mather,D.S.+ |
| $Pu^{239}$ | Prompt | 2.5 -2 | 2.5 -2 | | $Cf^{252}(Nu)$ | Coincidences* | 1 | AAEC/E- 172 | Mar67 | AUA | Boldeman,J.W.+ |
| $Pu^{239}$ | Prompt | 4.2 6 | 1.5 7 | | $Cf^{252}(Nu)$ | Scint Tank * | 5 | JNE 22 53 | Jan68 | AE | Conde,H.+ |
| $Pu^{239}$ | Prompt | 1.4 6 | 1.5 7 | | $Cf^{252}(Nu)$ | * | 27 | EANDC/E- 89 221 | Feb68 | FR | Prehaut,J.+ |
| $Pu^{239}$ | Prompt | 1.0 7 | 1.0 7 | | $Cf^{252}(Nu)$ | Scint Tank * | 1 | 70HELSNK/II-139 | Jun70 | FOA | Conde,H.+ |
| $Pu^{239}$ | Prompt | 6.7 7 | 6.7 7 | C | $Cf^{252}(Nu)$ | Scint Tank * | 1 | 70HELSNK/II-139 | Jun70 | FOA | Conde,H.+ |
| $Pu^{239}$ | Prompt | 1.1 5 | 1.2 6 | | Ratio | Liquid Scint* | 20 | AWRE/O/70- 42 | Aug70 | ALD | Mather,D.S.+ |
| $Pu^{239}$ | Delayed | 1.0 6 | 1.0 6 | | | Proportion C* | 1 | JNE 4 133 | Jun57 | HAR | Rose,H.+ |
| $Pu^{239}$ | Delayed | 3.8 6 | 1.5 7 | | Ratio | | 9 | INDSWG- 64 24 | 64 | FEI | Maksyutenko,B.P. |
| $Pu^{239}$ | Delayed | 1.5 7 | 1.5 7 | | | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| $Pu^{239}$ | Delayed | 3.1 6 | 3.1 6 | | $\sigma(E\neq E(th))$ | Long Counter | 1 | NSE 36 202 | May69 | LAS | Masters. |
| $Pu^{239}$ | Delayed | 2.5 -2 | 2.5 -2 | | Ratio | * | 1 | NSE 44 173 | May71 | BNL | Conant,J.P.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | NU-BAR (CONTINUED) | | | | | | | | | | |
| $Pu^{239}$ | Unspecified | 2.5 -2 | 2.5 -2 | | | Activation | 1 | LA- 102 | Jun44 | LAS | Snyder. |
| $Pu^{239}$ | Unspecified | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Activation | 1 | LA- 102 | Jun44 | LAS | Snyder. |
| $Pu^{239}$ | Unspecified | 1.0 6 | 1.0 6 | | Ratio | Coincidences | 1 | AE 2 18 | 57 | CCP | Kalashnikova,V.I.+ |
| $Pu^{239}$ | Unspecified | 1.4 7 | 1.4 7 | | | Shell Trans | 1 | AE 10 68 | Jan61 | CCP | Plerov. |
| $Pu^{239}$ | Unspecified | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | NP 71 228 | Sep65 | HAR | Barnard,E.+ |
| | MISC FISS QUANT | | | | | | | | | | |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | $\sigma$(Thermal) | Activation | 1 | LA- 102 | Jun44 | LAS | Snyder. |
| $Pu^{239}$ | Neutron/Capture | 1.0 -2 | 2.2 0 | | Ratio | TimeOfFlight | 16 | 55MOSKVA- 81 7 | Jul55 | CCP | Nikitin. |
| $Pu^{239}$ | Neutron/Capture | 1.0 -2 | 3.0 0 | | Ratio | TimeOfFlight | 20 | 55MOSKVA- 87 | Jul55 | CCP | Nikitin. |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Boron | ReactivityCo | 1 | 55GENEVA/ 4-301 | Aug55 | CCP | Alichanov.+ |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Long Counter | 1 | 55GENEVA/ 4-307 | Aug55 | HAR | Egelstaff.+ |
| $Pu^{239}$ | Neutron/Capture | 3.0 4 | 9.0 5 | | Absolute | Shell Trans | 5 | AE 1 21 | 56 | CCP | Spivak. |
| $Pu^{239}$ | Neutron/Capture | 3.7 -2 | 6.1 1 | | Ratio | Ion Chamber | 261 | JNE 3 33 | 56 | HAR | Farley. |
| $Pu^{239}$ | Neutron/Capture | 1.7 -2 | 6.8 -1 | | $\sigma$(Thermal) | TimeOfFlight | 28 | JNE 3 177 | 56 | BNL | Palevsky. |
| $Pu^{239}$ | Neutron/Capture | 4.1 -2 | 3.6 -1 | | $\sigma$(Thermal) | Crystal Spec | 10 | SANDERS 56D | Apr56 | HAR | Sanders. |
| $Pu^{239}$ | Neutron/Capture | 3.0 -1 | 3.0 -1 | | Arb Units | | 1 | HW-44525 47 | Jul56 | HAN | Leonard. |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 5.0 -1 | | Arb Units | Crystal Spec | 52 | HW-44525 47 | Jul56 | HAN | Leonard. |
| $Pu^{239}$ | Neutron/Capture | 3.0 -1 | 2.6 1 | | Ratio | TimeOfFlight | 10 | AE 2 247 | Mar57 | CCP | Kurpichnikov,I.V.+ |
| $Pu^{239}$ | Neutron/Capture | 2.4 4 | 8.8 5 | | | Shell Trans | 3 | AE 4 185 | 58 | CCP | Andreev. |
| $Pu^{239}$ | Neutron/Capture | 7.0 -3 | 3.6 -1 | | $\sigma$(Thermal) | Crystal Spec | 17 | JNE 6 212 | 58 | HAR | Skarsgard. |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | ReactivityCo | 2 | NSE 3 758 | 58 | KAP | Gaerttner.+ |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Ratio | ReactivityCo | 1 | NSE 3 758 | 58 | KAP | Gaerttner.+ |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Boron | Pile Oscilat | 1 | NSE 5 225 | 59 | NBS | Muelhause. |
| $Pu^{239}$ | Neutron/Capture | 1.4 7 | 1.4 7 | | Another Reac | Shell Trans | 1 | AE 10 68 | Jan61 | CCP | Plerov. |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | ReactivityCo | 1 | NSE 12 359 | 62 | ORL | Gwin. |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | ManganesBath | 1 | NSE 14 101 | 62 | ORL | Macklin. |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Ratio | ManganesBath | 1 | NSE 14 101 | 62 | ORL | Macklin. |
| $Pu^{239}$ | Neutron/Capture | 2.4 4 | 2.4 4 | | | | 1 | AE 19 41 | 65 | OBN | Vankov. |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 5.7 -2 | | | Crystal Spec | 2 | BAP 10 1099 | Oct65 | MTR | Smith,J.R.+ |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 5.7 -2 | | | Crystal Spec | 2 | IDO-17140 30 | Mar66 | MTR | Fluharty,R.G.+ |
| $Pu^{239}$ | Neutron/Capture | 3.9 -2 | 1.1 1 | | $\sigma$(E≠E(th)) | TimeOfFlight | 553 | BROOKS 66H | Aug66 | HAR | Brooks. |
| $Pu^{239}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Ratio | ReactivityCo | 2 | IN-1060 | Aug67 | MTR | Past. |
| $Pu^{239}$ | Neutron/Capture | 1.0 2 | 3.0 4 | | $\sigma$(E≠E(th)) | TimeOfFlight* | 5302 | EANDC/UK- 96 | 68 | HAR | Patrick,B.H.+ |
| $Pu^{239}$ | Eta/Nu | -2.6 -1 | 3.5 1 | | | | 13 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Eta/Nu | 1.7 -2 | 2.3 1 | | $\sigma$(Thermal) | TimeOfFlight | 118 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Eta/Nu | 7.8 0 | 9.5 1 | | | | 23 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| $Pu^{239}$ | Eta/Nu | 7.8 0 | 9.0 1 | | | CaptureGamma | 21 | EON 2 77 | Feb65 | CCP | Ignatiev. |
| $Pu^{239}$ | Eta/Nu | 3.0 -1 | 1.1 1 | | Ratio | | 3 | AERE/M-1709 | Sep66 | HAR | Brooks,F.D.+ |
| $Pu^{239}$ | Alpha | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | 55GENEVA/ 4-315 | Aug55 | KAP | Kanne. |
| $Pu^{239}$ | Alpha | 3.0 4 | 9.0 5 | | | Shell Trans | 5 | AE 1 21 | 56 | CCP | Spivak. |
| $Pu^{239}$ | Alpha | 2.4 4 | 8.8 5 | | | | 3 | AE 4 185 | 58 | CCP | Andreev. |
| $Pu^{239}$ | Alpha | 1.1 -3 | 1.1 -3 | | | | 1 | JNE 6 285 | Mar58 | HAR | Cocking,S.J. |
| $Pu^{239}$ | Alpha | 3.0 4 | 1.0 6 | | | Scint Tank | 9 | NSE 12 169 | 62 | LAS | Hopkins,J.C.+ |
| $Pu^{239}$ | Alpha | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | JIN 25 607 | 63 | HAR | Cabell. |
| $Pu^{239}$ | Alpha | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | EANDC/CAN-17 4 | Oct63 | CR | Crocker. |
| $Pu^{239}$ | Alpha | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Mass Spec | 1 | EANDC/CAN-17 4 | Oct63 | CR | Crocker. |
| $Pu^{239}$ | Alpha | 2.4 4 | 2.4 4 | | | | 1 | AE 19 41 | 65 | OBN | Vankov. |
| $Pu^{239}$ | Alpha | 3.9 -2 | 1.1 1 | | Another Reac | TimeOfFlight | 553 | BROOKS 66H | Aug66 | HAR | Brooks. |
| $Pu^{239}$ | Alpha | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | 66PARIS/II- 3 | Oct66 | HAR | Cabell,M.J. |
| $Pu^{239}$ | Alpha | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 66PARIS/II- 17 | Oct66 | CR | Durham,R.W.+ |
| $Pu^{239}$ | Alpha | 1.8 4 | 6.0 5 | | | Scint Tank | 41 | 66PARIS/II-233 | Oct66 | RPI | De Saussure. |
| $Pu^{239}$ | Alpha | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | JIN 28 2467 | Nov66 | HAR | Cabell,M.J.+ |
| $Pu^{239}$ | Alpha | 2.0 2 | 3.0 4 | | | TimeOfFlight* | 20 | EANDC/UK- 96 | 68 | HAR | Patrick,B.H.+ |
| $Pu^{239}$ | Alpha | 1.5 2 | 1.1 4 | | $\sigma$(E≠E(th)) | TimeOfFlight | 19 | UCID-15458 | Mar69 | LRL | Czirr. |
| $Pu^{239}$ | Alpha | 1.5 2 | 2.0 4 | | | TimeOfFlight | 38 | RJABOV 69F | Jun69 | CCP | Rjabov,U.V.+ |
| $Pu^{239}$ | Alpha | 1.5 2 | 2.5 4 | | $\sigma$(E≠E(th)) | Liquid Scint | 32 | ORNL/TM-2598 | Oct69 | RPI | Gwin. |
| $Pu^{239}$ | Alpha | 2.0 2 | 3.0 4 | | $Pu^{239}$ | TimeOfFlight* | 27 | 70HELSNK/I- 315 | Jun70 | HAR | Schomberg,M.G.+ |
| $Pu^{239}$ | Alpha | 9.0 3 | 6.0 4 | | | TimeOfFlight* | 21 | NSE PREPR.71L | Dec71 | KFK | Bandl,R.-E.+ |
| $Pu^{239}$ | Alpha + 1 | 1.1 -3 | 1.1 -3 | | Absolute | Fission Det | 1 | JNE 6 285 | Mar58 | HAR | Cocking,S.J. |
| $Pu^{239}$ | $\sigma$(Capt+Fiss) | 2.4 4 | 8.8 5 | | | Shell Trans | 3 | AE 4 185 | 58 | CCP | Andreev. |
| $Pu^{239}$ | $\sigma$(Capt+Fiss) | 2.4 4 | 2.4 4 | | | | 1 | AE 19 41 | 65 | OBN | Vankov. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | LA- 266 | Apr45 | LAS | Anderson. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Boron | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Boron | Ion Chamber | 1 | 55GENEVA/ 4-295 | Aug55 | CCP | Spivak.+ |
| $Pu^{239}$ | Sigma | 4.4 3 | 4.9 4 | | $U^{238}(n,f)$ | Shell Trans | 6 | ORNL-2022 | Feb56 | ORL | Macklin. |
| $Pu^{239}$ | Sigma | 2.9 -3 | 1.0 -1 | | | Crystal Spec | 16 | NSE 11 65 | 61 | COL | Safford,G.J.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Mass Spec | 2 | EANDC/CAN-17 4 | Oct63 | CR | Crocker. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 66PARIS/II- 17 | Oct66 | CR | Durham,R.W.+ |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | JIN 28 2467 | Nov66 | HAR | Cabell,M.J.+ |
| $Pu^{239}$ | Sigma | 1.5 2 | 9.5 3 | | $\sigma$(E≠E(th)) | Liquid Scint | 28 | ORNL/TM-2598 | Oct69 | RPI | Gwin. |
| $Pu^{239}$ | Sigma | 2.0 2 | 3.0 4 | C | Arb Units | * | 21 | 70HELSNK/I- 315 | Jun70 | HAR | Schomberg,M.G.+ |
| | NONELASTIC SCATT | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 4.0 6 | 4.5 6 | | | Shell Trans | 2 | LA-1939 | Aug55 | LAS | Bethe. |
| $Pu^{239}$ | Sigma | 5.0 5 | 1.0 6 | | | Total | 2 | PR 104 731 | Nov56 | LAS | Allen. |
| $Pu^{239}$ | Sigma | 2.5 5 | 1.0 6 | | Absolute | Shell Trans | 4 | NSE 2 787 | 57 | LAS | Allen. |
| $Pu^{239}$ | Sigma | 1.7 7 | 1.7 7 | | Absolute | Shell Trans | 1 | AE 11 397 | Oct61 | CCP | Degtyarev. |
| $Pu^{239}$ | Sigma | 8.1 6 | 1.4 7 | | Absolute | Shell Trans | 3 | PR 130 1471 | May63 | LRL | Macgregor,M.H.+ |
| $Pu^{239}$ | Sigma | 1.3 7 | 1.8 7 | | | Shell Trans | 3 | AE 19 456 | Nov65 | CCP | Degtyarev,Y.G. |
| $Pu^{239}$ | Spectrum | 2.0 6 | 4.0 6 | | H(n,n) | TimeOfFlight* | 60 | AWRE/O/69- 55 | Aug69 | ALD | Ratchelor,R.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | LA- 266 | Apr45 | LAS | Anderson. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | CUD- 92 | May51 | COL | Havens. |
| $Pu^{239}$ | Sigma | 4.1 -3 | 7.4 -1 | | Absolute | TimeOfFlight | 58 | CUD- 92 | May51 | COL | Havens. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | PALEVSKY 55 | 55 | BNL | Palevsky. |
| $Pu^{239}$ | Sigma | 1.1 -3 | 6.5 -1 | | Absolute | TimeOfFlight | 173 | PALEVSKY 55 | 55 | BNL | Palevsky. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| $Pu^{239}$ | Sigma | 1.2 -2 | 1.1 2 | | Absolute | TimeOfFlight | 139 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| $Pu^{239}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{239}$ | Sigma | 1.6 -3 | 1.9 1 | | Absolute | Crystal Spec | 178 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{239}$ | Sigma | 1.4 0 | 8.9 1 | | | TimeOfFlight | 227 | BAP 1 187 | Apr56 | ANL | Cote. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL CROSS-SECT (CONTINUED) | | | | | | | | | | | |
| $Pu^{239}$ | Sigma | 2.5 -2 | 5.0 -1 | | Absolute | Crystal Spec | 22 | HW-44525 47 | Jul56 | HAN | Leonard. |
| $Pu^{239}$ | Sigma | 5.5 0 | 1.2 2 | | Absolute | TimeOfFlight | 742 | IDO-16394 51 | Mar57 | MTR | Simpson. |
| $Pu^{239}$ | Sigma | 2.2 -1 | 7.9 4 | | | TimeOfFlight | 509 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{239}$ | Sigma | 7.0 6 | 1.4 7 | | Absolute | Biased Scint | 5 | PR 110 927 | May58 | LRL | Bratenahl,A.+ |
| $Pu^{239}$ | Sigma | 1.4 -2 | 7.2 -1 | | Absolute | TimeOfFlight | 98 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Sigma | 1.7 7 | 2.9 7 | | Absolute | Biased Scint | 4 | PR 120 521 | Oct60 | LRL | Peterson,J.M.+ |
| $Pu^{239}$ | Sigma | 2.9 -3 | 1.0 -1 | | Absolute | Crystal Spec | 17 | NSE 11 65 | 61 | COL | Safford,G.J.+ |
| $Pu^{239}$ | Sigma | 3.9 1 | 1.1 2 | | | TimeOfFlight | 153 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| $Pu^{239}$ | Sigma | 1.0 2 | 4.7 2 | | | | 1852 | UTTLEY 64D | Apr64 | HAR | Uttley. |
| $Pu^{239}$ | Sigma | 3.7 1 | 4.7 2 | | | TimeOfFlight | 6052 | UTTLEY 64D | Apr64 | HAR | Uttley. |
| $Pu^{239}$ | Sigma | 7.0 1 | 1.5 2 | P | | TimeOfFlight | 2996 | DERRIEN 66E | May66 | SAC | Derrien,H. |
| $Pu^{239}$ | Sigma | 1.6 0 | 1.0 1 | | Absolute | TimeOfFlight | 337 | BROOKS 66H | Aug66 | HAR | Brooks. |
| $Pu^{239}$ | Sigma | 1.5 2 | 5.0 2 | P | | TimeOfFlight | 5498 | DERRIEN 66I | Sep66 | SAC | Derrien,H. |
| $Pu^{239}$ | Sigma | 2.3 6 | 1.5 7 | | Absolute | TimeOfFlight | 243 | FOSTER 67E | May67 | BNW | Foster. |
| $Pu^{239}$ | Sigma | 1.6 5 | 6.0 6 | | Absolute | CrystalScint* | 148 | 70HELSNK/II- 31 | Jun70 | BRC | Cabe,J.+ |
| γ-WIDTH | | | | | | | | | | | |
| $Pu^{239}$ | Γ(γ) | 3.0 -1 | 1.1 1 | | | CaptureGamma | 3 | 55MOSKVA- 81 7 | Jul55 | CCP | Nikitin. |
| $Pu^{239}$ | Γ(γ) | 3.0 -1 | 2.6 1 | | | | 9 | AE 2 247 | Mar57 | CCP | Kurpichnikov,I.V.+ |
| $Pu^{239}$ | Γ(γ) | -2.6 -1 | 5.3 1 | | | | 20 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Γ(γ) | 3.0 -1 | 1.5 1 | | | MultiLvl Fit | 5 | PR 118 724 | May60 | CR | Vogt. |
| $Pu^{239}$ | Γ(γ) | 3.0 -1 | 2.5 2 | | | Shape Analys | 60 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| n-WIDTH | | | | | | | | | | | |
| $Pu^{239}$ | Γ(n) | 0.0 | 4.9 1 | | | | 25 | JNE 3 33 | 56 | HAR | Farley. |
| $Pu^{239}$ | Γ(n) | -2.6 -1 | 5.3 1 | | | | 20 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Γ(n) | 4.2 1 | 7.5 1 | | | CaptureGamma | 5 | EON 2 77 | Feb65 | CCP | Ignatiev. |
| $Pu^{239}$ | Γ(n) | 4.2 1 | 1.2 2 | | | AreaAnalysis* | 8 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Pu^{239}$ | 2gΓ(n) | 2.9 -1 | 2.9 -1 | | | TimeOfFlight | 1 | PALEVSKY 55 | 55 | BNL | Palevsky. |
| $Pu^{239}$ | 2gΓ(n) | 3.0 -1 | 3.0 -1 | | | Shape Analys | 1 | 55MOSKVA-294 | Jul55 | CCP | Abov. |
| $Pu^{239}$ | 2gΓ(n) | 7.8 0 | 2.2 1 | | | AreaAnalysis | 4 | NRDC- 81 19 | 56 | HAR | Lynn. |
| $Pu^{239}$ | 2gΓ(n) | 1.8 1 | 1.8 1 | | | Accelerator | 1 | NRDC- 81 19 | 56 | HAR | Lynn. |
| $Pu^{239}$ | 2gΓ(n) | 7.8 0 | 8.6 1 | | | AreaAnalysis | 26 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| $Pu^{239}$ | 2gΓ(n) | 3.0 -1 | 3.2 1 | | Absolute | AreaAnalysis | 16 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{239}$ | 2gΓ(n) | 7.8 0 | 9.5 1 | | | CaptureGamma | 17 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| $Pu^{239}$ | 2gΓ(n) | 1.0 2 | 3.0 2 | | | AreaAnalysis | 61 | 65ANTWRP- 98 | Jul65 | HAR | Uttley,C.A. |
| $Pu^{239}$ | 2gΓ(n) | 3.0 -1 | 4.4 2 | | | Shape Analys | 180 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| $Pu^{239}$ | Γ(n,l=0) | 1.4 1 | 8.6 1 | | | Shape Analys | 46 | BAP 12 521 | Apr67 | LAS | Farrell. |
| $Pu^{239}$ | 2gΓ(n,l=0) | 1.0 -2 | 3.0 -1 | | | Crystal Spec | 2 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{239}$ | 2gΓ(n,l=0) | 7.8 0 | 8.6 1 | | | AreaAnalysis | 26 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| $Pu^{239}$ | 2gΓ(n,l=0) | 3.0 -1 | 3.2 1 | | Absolute | AreaAnalysis | 16 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{239}$ | 2gΓ(n,l=0) | 3.0 -1 | 1.5 1 | | | MultiLvl Fit | 5 | PR 118 724 | May60 | CR | Vogt. |
| $Pu^{239}$ | Γ(n)σ(0) | 7.8 0 | 4.4 1 | | Absolute | TimeOfFlight | 8 | NP 30 269 | Feb62 | HAR | Fraser,J.S.+ |
| $Pu^{239}$ | gΓ²(n)/Γ | 7.9 0 | 8.6 1 | | | AreaAnalysis | 14 | PRL 15 761 | Nov65 | LRL | Sauter. |
| FISSION WIDTH | | | | | | | | | | | |
| $Pu^{239}$ | Γ(Fiss) | 3.0 -1 | 1.1 1 | | | CaptureGamma | 3 | 55MOSKVA- 81 7 | Jul55 | CCP | Nikitin. |
| $Pu^{239}$ | Γ(Fiss) | 3.0 -1 | 2.6 1 | | | | 10 | AE 2 247 | Mar57 | CCP | Kurpichnikov,I.V.+ |
| $Pu^{239}$ | Γ(Fiss) | -2.6 -1 | 5.3 1 | | | | 20 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Γ(Fiss) | 3.0 -1 | 1.5 1 | | | MultiLvl Fit | 5 | PR 118 724 | May60 | CR | Vogt. |
| $Pu^{239}$ | Γ(Fiss) | 7.8 0 | 9.5 1 | | | CaptureGamma | 23 | AE 16 110 | Feb64 | CCP | Ignatiev,K.G.+ |
| $Pu^{239}$ | Γ(Fiss) | 4.2 1 | 7.5 1 | | | CaptureGamma | 5 | EON 2 77 | Feb65 | CCP | Ignatiev. |
| $Pu^{239}$ | Γ(Fiss) | 3.0 -1 | 2.5 2 | | | Shape Analys | 67 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| $Pu^{239}$ | Γ(Fiss) | 1.4 1 | 8.6 1 | | | Shape Analys | 46 | BAP 12 521 | Apr67 | LAS | Farrell. |
| $Pu^{239}$ | Γ(Fiss) | 3.0 -1 | 6.6 2 | | | TimeOfFlight* | 209 | 70HELSNK/I- 513 | Jun70 | SAC | Blons,J.+ |
| $Pu^{239}$ | Γ(Fiss)σ(0) | 7.8 0 | 5.3 1 | | | | 12 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Γ(Fiss)σ(0) | 7.8 0 | 2.5 2 | | | Shape Analys | 101 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| $Pu^{239}$ | Γ(Fiss)σ(0) | 7.8 0 | 6.6 2 | | | TimeOfFlight* | 215 | 70HELSNK/I- 513 | Jun70 | SAC | Blons,J.+ |
| $Pu^{239}$ | Γ(Fiss)σ(0)/Γ | 3.0 -1 | 3.0 -1 | | | | 1 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $Pu^{239}$ | Γ(Fiss)σ(0)/Γ | 3.0 -1 | 3.0 -1 | | | Accelerator | 1 | JNE 2 177 | 56 | HAR | Richmond. |
| TOTAL WIDTH | | | | | | | | | | | |
| $Pu^{239}$ | Γ | 2.9 -1 | 2.9 -1 | | | TimeOfFlight | 1 | LA- 266 | Apr45 | LAS | Anderson. |
| $Pu^{239}$ | Γ | 3.0 -1 | 3.0 -1 | | | TimeOfFlight | 1 | CUI- 92 | May51 | COL | Havens. |
| $Pu^{239}$ | Γ | 2.9 -1 | 2.9 -1 | | | TimeOfFlight | 1 | PALEVSKY 55 | 55 | BNL | Palevsky. |
| $Pu^{239}$ | Γ | 3.0 -1 | 1.1 1 | | | CaptureGamma | 3 | 55MOSKVA- 81 7 | Jul55 | CCP | Nikitin. |
| $Pu^{239}$ | Γ | 3.0 -1 | 3.0 -1 | | | Shape Analys | 1 | 55MOSKVA- 89 | Jul55 | CCP | Galanin. |
| $Pu^{239}$ | Γ | 3.0 -1 | 3.0 -1 | | | Shape Analys | 1 | 55MOSKVA-294 | Jul55 | CCP | Abov. |
| $Pu^{239}$ | Γ | 2.9 -1 | 2.9 -1 | | | Crystal Spec | 1 | 55GENEVA/ 4-193 | Aug55 | LAS | Leonard. |
| $Pu^{239}$ | Γ | 3.0 -1 | 3.0 -1 | | | | 1 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $Pu^{239}$ | Γ | 3.0 -1 | 3.0 -1 | | | Crystal Spec | 1 | 55GENEVA/ 4-235 | Aug55 | FR | Auclair. |
| $Pu^{239}$ | Γ | 3.0 -1 | 3.0 -1 | | | Accelerator | 1 | JNE 2 177 | 56 | HAR | Richmond. |
| $Pu^{239}$ | Γ | 3.0 -1 | 3.0 -1 | | | Crystal Spec | 1 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{239}$ | Γ | 1.0 -2 | 1.0 -2 | | | TimeOfFlight | 1 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{239}$ | Γ | 7.8 0 | 1.8 1 | | | AreaAnalysis | 2 | NRDC- 81 19 | 56 | HAR | Lynn. |
| $Pu^{239}$ | Γ | 7.8 0 | 7.5 1 | | | AreaAnalysis | 14 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| $Pu^{239}$ | Γ | 3.0 -1 | 2.6 1 | | | | 10 | AE 2 247 | Mar57 | CCP | Kurpichnikov,I.V.+ |
| $Pu^{239}$ | Γ | 3.0 -1 | 2.2 1 | | Absolute | AreaAnalysis | 8 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{239}$ | Γ | -2.6 -1 | 5.3 1 | | | | 20 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Γ | 1.0 2 | 3.0 2 | | | Thick+Thin T | 43 | 65ANTWRP- 98 | Jul65 | HAR | Uttley,C.A. |
| $Pu^{239}$ | Γ | 3.0 -1 | 4.4 2 | | | Shape Analys | 161 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| $Pu^{239}$ | Γ | 4.2 1 | 1.2 2 | | | AreaAnalysis* | 8 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Pu^{239}$ | Γσ(0) | 1.5 1 | 1.9 1 | | | | 2 | 55GENEVA/ 4-193 | Aug55 | LAS | Leonard. |
| $Pu^{239}$ | Γσ(0) | 7.8 0 | 2.2 1 | | | AreaAnalysis | 5 | NRDC- 81 19 | 56 | HAR | Lynn. |
| $Pu^{239}$ | Γσ(0) | 7.8 0 | 7.5 1 | | | AreaAnalysis | 24 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| $Pu^{239}$ | Γσ(0) | 1.0 2 | 3.0 2 | | | | 59 | 65ANTWRP- 98 | Jul65 | HAR | Uttley,C.A. |
| $Pu^{239}$ | Γσ(0) | 7.8 0 | 7.5 1 | | | Shape Analys | 26 | 65ANTWRP-163 | Jul65 | SAC | Blons,J.+ |
| $Pu^{239}$ | Γσ(0) | 7.8 0 | 2.5 2 | | | Shape Analys | 101 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| $Pu^{239}$ | Γ²σ(0) | -2.3 -1 | 2.5 1 | | | TimeOfFlight | 8 | CUD- 92 | May51 | COL | Havens. |
| $Pu^{239}$ | Γ²σ(0) | 3.0 -1 | 1.1 1 | | | CaptureGamma | 3 | 55MOSKVA- 81 7 | Jul55 | CCP | Nikitin. |
| $Pu^{239}$ | Γ²σ(0) | 3.0 -1 | 3.0 -1 | | | Shape Analys | 1 | 55MOSKVA- 89 | Jul55 | CCP | Galanin. |
| $Pu^{239}$ | Γ²σ(0) | 3.0 -1 | 3.0 -1 | | | Shape Analys | 1 | 55MOSKVA-294 | Jul55 | CCP | Abov. |
| $Pu^{239}$ | Γ²σ(0) | 7.8 0 | 2.6 1 | | | | 19 | 55GENEVA/ 4-193 | Aug55 | LAS | Leonard. |
| $Pu^{239}$ | Γ²σ(0) | 2.9 -1 | 2.9 -1 | | | Crystal Spec | 1 | 55GENEVA/ 4-193 | Aug55 | LAS | Leonard. |
| $Pu^{239}$ | Γ²σ(0) | 2.9 -1 | 2.3 1 | | | TimeOfFlight | 7 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| $Pu^{239}$ | Γ²σ(0) | 1.0 -2 | 1.0 -2 | | | TimeOfFlight | 1 | JNE 2 187 | 56 | HAR | Pattenden. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL WIDTH (CONTINUED) | | | | | | | | | | | | |
| $Pu^{239}$ | $\Gamma^2\sigma(0)$ | 7.8 | 0 | 2.6 | 1 | | | AreaAnalysis | 4 | NRDC- 81 19 | 56 | HAR | Lynn. |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Pu^{239}$ | Resonance Energy | 1.2 | 1 | 6.0 | 1 | | | TimeOfFlight | 2 | LA- 266 | Apr45 | LAS | Anderson. |
| $Pu^{239}$ | Resonance Energy | 7.4 | 0 | 1.4 | 1 | | | | 3 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $Pu^{239}$ | Resonance Energy | 2.8 | 1 | 9.6 | 1 | | | TimeOfFlight | 7 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| $Pu^{239}$ | Resonance Energy | 8.0 | 6 | 2.7 | 7 | | | Accelerator | 6 | JNE 2 177 | 56 | HAR | Richmond. |
| $Pu^{239}$ | Resonance Energy | 7.8 | 0 | 1.6 | 1 | | | Crystal Spec | 3 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{239}$ | Rescnance Energy | 1.6 | 1 | 1.6 | 1 | | | | 1 | JNE 3 33 | 56 | HAR | Farley. |
| $Pu^{239}$ | Resonance Energy | 1.5 | 1 | 3.2 | 1 | | | Accelerator | 3 | NRDC- 81 19 | 56 | HAR | Lynn. |
| $Pu^{239}$ | Resonance Energy | 3.4 | 1 | 4.2 | 1 | | | AreaAnalysis | 4 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{239}$ | Resonance Energy | 9.6 | 1 | 2.7 | 2 | | | CaptureGamma | 13 | EON 2 77 | Feb65 | CCP | Ignatiev. |
| $Pu^{239}$ | Resonance Energy | 4.2 | 1 | 1.2 | 2 | | | AreaAnalysis* | 8 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Pu^{239}$ | Resonance Energy | 3.0 | -1 | 6.6 | 2 | | | TimeOfFlight* | 255 | 70HELSNK/I- 513 | Jun70 | SAC | Blons,J.+ |
| $Pu^{239}$ | $\sigma(0)$ | 2.9 | -1 | 2.9 | -1 | | | TimeOfFlight | 1 | LA- 266 | Apr45 | LAS | Anderson. |
| $Pu^{239}$ | $\sigma(0)$ | 3.0 | -1 | 3.0 | -1 | | | TimeOfFlight | 1 | CUD- 92 | May51 | COL | Havens. |
| $Pu^{239}$ | $\sigma(0)$ | 3.0 | -1 | 1.1 | 1 | | | CaptureGamma | 3 | 55MOSKVA- 81 7 | Jul55 | CCP | Nikitin. |
| $Pu^{239}$ | $\sigma(0)$ | 3.0 | -1 | 3.0 | -1 | | | Shape Analys | 1 | 55MOSKVA- 89 | Jul55 | CCP | Galanin. |
| $Pu^{239}$ | $\sigma(0)$ | 3.0 | -1 | 3.0 | -1 | | | Shape Analys | 1 | 55MOSKVA-294 | Jul55 | CCP | Abov. |
| $Pu^{239}$ | $\sigma(0)$ | 2.9 | -1 | 2.9 | -1 | | | Crystal Spec | 1 | 55GENEVA/ 4-193 | Aug55 | LAS | Leonard. |
| $Pu^{239}$ | $\sigma(0)$ | 3.0 | -1 | 3.0 | -1 | | | Crystal Spec | 1 | 55GENEVA/ 4-235 | Aug55 | FR | Auclair. |
| $Pu^{239}$ | $\sigma(0)$ | 3.0 | -1 | 3.0 | -1 | | | Crystal Spec | 1 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{239}$ | $\sigma(0)$ | 7.8 | 0 | 7.8 | 0 | | | AreaAnalysis | 1 | NRDC- 81 19 | 56 | HAR | Lynn. |
| $Pu^{239}$ | $\sigma(0)$ | 1.8 | 1 | 1.8 | 1 | | | Accelerator | 1 | NRDC- 81 19 | 56 | HAR | Lynn. |
| $Pu^{239}$ | $\sigma(0)$ | 7.8 | 0 | 7.5 | 1 | | | AreaAnalysis | 14 | AE 2 129 | 57 | CCP | Sokolovsky,V.V.+ |
| $Pu^{239}$ | $\sigma(0)$ | 3.0 | -1 | 5.3 | 1 | | | | 19 | 58GENEVA/15-127 | Sep58 | ANL | Bollinger,L.M. |
| $Pu^{239}$ | Spin of Reson | 7.8 | 0 | 4.4 | 1 | | Absolute | TimeOfFlight | 8 | NP 30 269 | Feb62 | HAR | Fraser,J.S.+ |
| $Pu^{239}$ | Spin of Reson | 4.2 | 1 | 7.5 | 1 | | | CaptureGamma | 5 | EON 2 77 | Feb65 | CCP | Ignatiev. |
| $Pu^{239}$ | Spin of Reson | 7.8 | 0 | 4.5 | 1 | | | Shape Analys | 8 | 65ANTWRP-163 | Jul65 | SAC | Blons,J.+ |
| $Pu^{239}$ | Spin of Reson | 7.9 | 0 | 7.5 | 1 | | | AreaAnalysis | 15 | PRL 15 761 | Nov65 | LRL | Sauter. |
| $Pu^{239}$ | Spin of Reson | 1.8 | 1 | 8.2 | 7 | | | | 17 | PR 144 979 | Apr66 | LAS | Cowan,G.A.+ |
| $Pu^{239}$ | Spin of Reson | 1.1 | 1 | 2.5 | 2 | | | Shape Analys | 33 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| $Pu^{239}$ | Spin of Reson | 2.2 | 1 | 8.1 | 1 | | | | 11 | PRL 22 195 | Feb69 | RPI | Weinstein. |
| $Pu^{239}$ | Spin of Reson | 4.2 | 1 | 1.2 | 2 | | | AreaAnalysis* | 8 | NP A138 556 | Dec69 | RPI | King,T.J.+ |
| $Pu^{239}$ | Spin of Reson | 1.5 | 1 | 6.6 | 2 | | | TimeOfFlight* | 112 | 70HELSNK/I- 495 | Jun70 | SAC | Trochon,J.+ |
| $Pu^{239}$ | Stat Weight Fact | 7.8 | 0 | 4.4 | 1 | | Absolute | TimeOfFlight | 8 | NP 30 269 | Feb62 | HAR | Fraser,J.S.+ |
| $Pu^{239}$ | Stat Weight Fact | 3.0 | -1 | 2.5 | 2 | | | Shape Analys | 60 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| $Pu^{239}$ | Stat Weight Fact | 4.5 | 2 | 6.6 | 2 | | | TimeOfFlight* | 54 | 70HELSNK/I- 513 | Jun70 | SAC | Blons,J.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Pu^{239}$ | Strength Fn(l=0) | 5.1 | 4 | 5.1 | 4 | | | | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{239}$ | Strength Fn(l=0) | 1.0 | 5 | 1.0 | 5 | | | Transmission | 1 | 64PARIS/II- 700 | Jul64 | HAR | Uttley,C.A. |
| $Pu^{239}$ | Strength Fn(l=0) | 2.0 | 2 | 2.0 | 2 | | | | 1 | 65ANTWRP-163 | Jul65 | SAC | Blons,J.+ |
| $Pu^{239}$ | Strength Fn(l=0) | 2.0 | 2 | 4.5 | 2 | | | Shape Analys | 3 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| $Pu^{239}$ | Strength Fn(l=0) | 6.6 | 2 | 6.6 | 2 | | | TimeOfFlight* | 2 | 70HELSNK/I- 495 | Jun70 | SAC | Trochon,J.+ |
| $Pu^{239}$ | Strength Fn(l=1) | 1.0 | 5 | 1.0 | 5 | | | Transmission | 1 | 64PARIS/II- 700 | Jul64 | HAR | Uttley,C.A. |
| $Pu^{239}$ | Lvl Spacing(l=0) | 5.1 | 4 | 5.1 | 4 | | | | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{239}$ | Lvl Spacing(l=0) | 2.0 | 2 | 2.0 | 2 | | | Shape Analys | 1 | 65ANTWRP-163 | Jul65 | SAC | Blons,J.+ |
| $Pu^{239}$ | Lvl Spacing(l=0) | 3.0 | 2 | 4.4 | 2 | | | | 2 | 66PARIS/II-195 | Oct66 | SAC | Derrien,H.+ |
| | (n,γ) REACTION | | | | | | | | | | | | |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Activation | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Mass Spec | 6 | NSE 1 62 | Mar56 | ANL | Fields. |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | S | | Mass Spec | 2 | CRR-622 | May57 | CR | Hurst. |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Mass Spec | 1 | 58GENEVA/16- 83 | Sep58 | CR | Craig. |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | Mass Spec | 1 | JIN 28 2467 | Nov66 | HAR | Cabell,M.J.+ |
| | ELASTIC+INELASTIC | | | | | | | | | | | | |
| $Pu^{240}$ | Yield | 1.9 | 1 | 3.0 | 3 | | Arb Units | TimeOfFlight* | 7136 | 68WASH- 513 | Mar68 | GEL | Cao,M.G.+ |
| | FISSION CROSS SECT | | | | | | | | | | | | |
| $Pu^{240}$ | Sigma | 3.0 | -1 | 1.3 | 0 | | $Pu^{239}$ | Crystal Spec | 67 | BAP 1 248 | Jun56 | HAN | Seppi,E.J.+ |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | | 1 | ORNL-2081 102 | Nov56 | ORL | Pratt. |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | N | $U^{235}(n,f)$ | Back-to-Back | 1 | ORNL-2081 102 | Nov56 | ORL | Pratt. |
| $Pu^{240}$ | Sigma | 9.0 | 5 | 5.0 | 6 | | | Ion Chamber | 2 | AE 2 10 | 57 | CCP | Dorofeev,G.A.+ |
| $Pu^{240}$ | Sigma | 2.7 | 5 | 8.1 | 6 | | $U^{235}(n,f)$ | Ion Chamber | 22 | AECD-4256 | 57 | LAS | Henkel,R.L.+ |
| $Pu^{240}$ | Sigma | 4.0 | 4 | 4.2 | 6 | | $Pu^{239}$ | Ion Chamber | 76 | AE 9 16 | 60 | CCP | Nesterov. |
| $Pu^{240}$ | Sigma | 2.5 | 6 | 1.5 | 7 | | | Long Counter | 2 | AE 8 139 | Feb60 | CCP | Kazarinova. |
| $Pu^{240}$ | Sigma | 6.1 | 4 | 4.8 | 5 | | $U^{235}(n,f)$ | Gas Scint | 13 | JNE 18 561 | Oct64 | ALD | Ruddick,P.+ |
| $Pu^{240}$ | Sigma | 2.0 | 1 | 9.8 | 5 | | | TimeOfFlight | 2074 | 66WASH- 903 | Mar66 | LAS | Byers,D.H.+ |
| $Pu^{240}$ | Sigma | 1.4 | 4 | 1.7 | 5 | | Ratio | Gas Scint | 10 | 66PARIS/I- 295 | Oct66 | KPK | Gilboy,W.B. |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Ratio | * | 6 | AEEW/R- 526 | Jun67 | WIN | Stevenson,J.M.+ |
| $Pu^{240}$ | Sigma | 1.0 | 6 | 1.4 | 7 | | Ratio | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| $Pu^{240}$ | Sigma | 1.0 | 6 | 1.4 | 7 | N | $U^{235}(n,f)$ | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| $Pu^{240}$ | Sigma | 2.0 | 2 | 8.0 | 3 | | AnothA SameZ | TimeOfFlight* | 3290 | NP A112 603 | May68 | GEL | Migneco,E.+ |
| | NU-BAR | | | | | | | | | | | | |
| $Pu^{240}$ | Prompt | 3.6 | 6 | 1.5 | 7 | | $Pu^{239}$ | RecoilChambr | 2 | SPN- 181 | 61 | CCP | Kuz'minov. |
| $Pu^{240}$ | Prompt | 2.0 | 6 | 2.0 | 6 | | | | 1 | LAMS-2489 | Apr61 | LAS | Barton. |
| $Pu^{240}$ | Prompt | 0.0 | | 0.0 | | | $Cf^{252}(Nu)$ | Scint Tank * | 1 | NSE 15 213 | Jan63 | FOA | Asplund-Nilsson,I.+ |
| $Pu^{240}$ | Prompt | 2.5 | -2 | 2.5 | -2 | | Ratio | Coincidences | 1 | 65SALZB/II- 25 | Mar65 | HAR | Colvin,D.W.+ |
| $Pu^{240}$ | Prompt | 1.0 | 5 | 1.6 | 6 | | $U^{238}(n,f)$ | PlasticScint | 3 | JNE 20 191 | Mar66 | HAR | De Vroey,M.+ |
| $Pu^{240}$ | Prompt | 0.0 | | 0.0 | | | $Cf^{252}(Nu)$ | Fission Det | 1 | 66PARIS/II- 57 | Oct66 | FR | Baron,E.+ |
| $Pu^{240}$ | Prompt | 0.0 | | 0.0 | | | $Cf^{252}(Nu)$ | Coincidences* | 1 | JNE 22 63 | Feb68 | AUA | Boldeman,J.W. |
| $Pu^{240}$ | Unspecified | 1.0 | 5 | 1.6 | 6 | | $U^{235}(n,f)$ | TimeOfFlight | 3 | AERE/PR/NP- 7 1 | 64 | HAR | De Vroey. |
| | ABSORPTION X-SECT | | | | | | | | | | | | |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | | 1 | NRDC- 84 9(1) | Dec55 | HAR | Cocking.+ |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | Mass Spec | 3 | NSE 1 62 | Mar56 | ANL | Fields. |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | Pile Oscilat | 1 | AE 2 240 | Mar57 | CCP | Krupchitsky,P.A. |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | Breit-Wigner | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Sigma | 1.1 | -3 | 4.0 | -2 | | Absolute | TimeOfFlight | 2 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | | TimeOfFlight | 1 | NSE 8 112 | 60 | ORL | Block. |
| $Pu^{240}$ | Reson Integral | 2.0 | -1 | 2.0 | -1 | | Absolute | Pile Oscilat | 1 | AE 2 240 | Mar57 | CCP | Krupchitsky,P.A. |

| Nucl | Quantity | Emin | | Emax | | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTAL CROSS-SECT | | | | | | | | | | | | |
| $Pu^{240}$ | Sigma | 8.2 | -1 | 1.4 | 0 | | Absolute | TimeOfFlight | 52 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Pu^{240}$ | Sigma | 3.4 | -2 | 4.3 | 1 | | Absolute | TimeOfFlight | 240 | BAP 2 219 | Apr57 | MTR | Pluharty,R.G.+ |
| $Pu^{240}$ | Sigma | 6.3 | -1 | 1.4 | 0 | | Absolute | TimeOfFlight | 46 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Sigma | 6.5 | -2 | 7.9 | -1 | | | Crystal Spec | 288 | JNE 11 14 | Nov59 | HAR | Pattenden,N.J.+ |
| $Pu^{240}$ | Sigma | 2.5 | -2 | 2.5 | -2 | | Absolute | Crystal Spec | 1 | JNE 11 14 | Nov59 | HAR | Pattenden,N.J.+ |
| $Pu^{240}$ | Sigma | 2.0 | -2 | 1.5 | -1 | | Absolute | TimeOfFlight | 41 | NSE 8 112 | 60 | ORL | Block. |
| $Pu^{240}$ | Sigma | 2.0 | 1 | 5.7 | 3 | | Absolute | TimeOfFlight* | 39296 | JNE 22 299 | May68 | GEL | Kolar,W.+ |
| | γ-WIDTH | | | | | | | | | | | | |
| $Pu^{240}$ | Γ(γ) | 1.1 | 0 | 1.1 | 0 | | | | 1 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{240}$ | Γ(γ) | 1.1 | 6 | 1.1 | 6 | | | Shape Analys | 1 | NSE 5 32 | 59 | HAN | Leonard. |
| $Pu^{240}$ | Γ(γ) | 1.1 | 0 | 1.1 | 0 | | | AreaAnalysis | 1 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{240}$ | Γ(γ) | 1.1 | 0 | 1.1 | 0 | | Absolute | Crystal Spec | 1 | JNE 11 14 | Nov59 | HAR | Pattenden,N.J.+ |
| $Pu^{240}$ | Γ(γ) | 2.0 | 1 | 2.9 | 2 | P | | AreaAnalysis | 16 | 66PARIS/II-145 | Oct66 | HAR | Asghar,M.+ |
| $Pu^{240}$ | Γ(γ) | 2.0 | 1 | 7.5 | 2 | | | AreaAnalysis* | 103 | EANDC/UK-103 | 68 | HAR | Asghar,M.+ |
| $Pu^{240}$ | Γ(γ) | 6.8 | 2 | 6.8 | 2 | | | TimeOfFlight* | 1 | JNE 22 317 | May68 | GEL | Weigmann,H.+ |
| $Pu^{240}$ | Γ(γ) | 3.8 | 1 | 8.2 | 2 | | Absolute | TimeOfFlight* | 36 | JNE 22 317 | May68 | GEL | Weigmann,H.+ |
| | n-WIDTH | | | | | | | | | | | | |
| $Pu^{240}$ | Γ(n) | 1.1 | 0 | 1.1 | 0 | | | Accelerator | 1 | 55MOSKVA-294 | Jul55 | CCP | Abov. |
| $Pu^{240}$ | Γ(n) | 1.1 | 0 | 1.1 | 0 | | | AreaAnalysis | 1 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Pu^{240}$ | Γ(n) | 1.1 | 0 | 1.2 | 2 | | | AreaAnalysis | 11 | PTR-203 | Apr57 | MTR | Pluharty. |
| $Pu^{240}$ | Γ(n) | 1.1 | 0 | 2.1 | 1 | | Absolute | AreaAnalysis | 2 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Γ(n) | 1.1 | 0 | 1.1 | 0 | | Absolute | Shape Analys | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Γ(n) | 1.1 | 0 | 3.8 | 1 | | | AreaAnalysis | 3 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{240}$ | Γ(n) | 3.8 | 1 | 9.5 | 2 | | | AreaAnalysis | 39 | 66PARIS/II-145 | Oct66 | HAR | Asghar,M.+ |
| $Pu^{240}$ | Γ(n) | 2.0 | 1 | 2.9 | 2 | P | | AreaAnalysis | 18 | 66PARIS/II-145 | Oct66 | HAR | Asghar,M.+ |
| $Pu^{240}$ | Γ(n) | 2.0 | 1 | 1.5 | 3 | | | AreaAnalysis | 177 | EANDC/UK-103 | 68 | HAR | Asghar,M.+ |
| $Pu^{240}$ | Γ(n) | 2.0 | 1 | 2.9 | 2 | | | AreaAnalysis | 14 | 68WASH- 513 | Mar68 | GEL | Cao,M.G.+ |
| $Pu^{240}$ | Γ(n) | 2.0 | 1 | 5.7 | 3 | | | AreaAnalysis* | 263 | JNE 22 299 | May68 | GEL | Kolar,W.+ |
| $Pu^{240}$ | Γ(n) | 1.1 | 0 | 1.1 | 0 | | Absolute | * | 2 | 70HELSNK/I- 553 | Jun70 | TRM | Ramakrishna,D.V.S.+ |
| $Pu^{240}$ | Γ(n,l=0) | 1.1 | 0 | 1.1 | 0 | | | | 1 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{240}$ | Γ(n,l=0) | 1.1 | 0 | 1.2 | 2 | | | AreaAnalysis | 11 | PTR-203 | Apr57 | MTR | Pluharty. |
| $Pu^{240}$ | Γ(n,l=0) | 1.1 | 0 | 2.1 | 1 | | Absolute | AreaAnalysis | 2 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Γ(n,l=0) | 1.1 | 0 | 1.1 | 0 | | Absolute | Shape Analys | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Γ(n,l=0) | 1.1 | 0 | 1.1 | 0 | | Absolute | Crystal Spec | 1 | JNE 11 14 | Nov59 | HAR | Pattenden,N.J.+ |
| $Pu^{240}$ | Γ(n,l=0) | 2.0 | 1 | 5.7 | 3 | | | AreaAnalysis | 263 | 68WASH- 519 | Mar68 | GEL | Kolar,W.+ |
| $Pu^{240}$ | Γ(n,l=0) | 2.0 | 1 | 5.7 | 3 | | | AreaAnalysis* | 263 | JNE 22 299 | May68 | GEL | Kolar,W.+ |
| $Pu^{240}$ | $\Gamma(n)\sigma(0)$ | 2.0 | 1 | 1.4 | 2 | P | | AreaAnalysis | 20 | 66PARIS/II-145 | Oct66 | HAR | Asghar,M.+ |
| | FISSION WIDTH | | | | | | | | | | | | |
| $Pu^{240}$ | Γ(Fiss) | 7.5 | 2 | 3.4 | 3 | | | AreaAnalysis* | 17 | NP A112 603 | May68 | GEL | Migneco,E.+ |
| $Pu^{240}$ | $\Gamma(Fiss)\sigma(0)/\Gamma$ | 1.1 | 0 | 2.0 | 1 | | | | 2 | LEONARD 61 | 61 | HAN | Leonard. |
| $Pu^{240}$ | $g\Gamma(f)\Gamma(n)/\Gamma$ | 7.5 | 2 | 3.4 | 3 | | | AreaAnalysis* | 17 | NP A112 603 | May68 | GEL | Migneco,E.+ |
| | TOTAL WIDTH | | | | | | | | | | | | |
| $Pu^{240}$ | Γ | 1.1 | 0 | 1.1 | 0 | | | TimeOfFlight | 1 | CUD- 92 | May51 | COL | Havens. |
| $Pu^{240}$ | Γ | 1.1 | 0 | 1.1 | 0 | | | Accelerator | 1 | 55MOSKVA-294 | Jul55 | CCP | Abov. |
| $Pu^{240}$ | Γ | 1.1 | 6 | 1.1 | 6 | S | | Crystal Spec | 1 | 55GENEVA/ 4-187 | Aug55 | HAR | Egelstaff.+ |
| $Pu^{240}$ | Γ | 1.1 | 6 | 1.1 | 6 | S | | TimeOfFlight | 1 | 55GENEVA/ 4-187 | Aug55 | HAR | Egelstaff.+ |
| $Pu^{240}$ | Γ | 1.1 | 6 | 1.1 | 6 | | | TimeOfFlight | 1 | NRDC- 84 9(1) | Dec55 | HAR | Cocking.+ |
| $Pu^{240}$ | Γ | 1.1 | 0 | 1.1 | 0 | | | Crystal Spec | 1 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{240}$ | Γ | 1.1 | 0 | 1.1 | 0 | | | AreaAnalysis | 1 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| $Pu^{240}$ | Γ | 1.1 | 0 | 1.1 | 0 | | Absolute | AreaAnalysis | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Γ | 1.1 | 0 | 1.1 | 0 | | Absolute | Shape Analys | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Γ | 1.1 | 0 | 1.1 | 0 | | | Shape Analys | 1 | NSE 5 32 | 59 | HAN | Leonard. |
| $Pu^{240}$ | Γ | 1.1 | 0 | 3.8 | 1 | | | AreaAnalysis | 3 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{240}$ | Γ | 1.1 | 0 | 1.1 | 0 | | Absolute | Crystal Spec | 1 | JNE 11 14 | Nov59 | HAR | Pattenden,N.J.+ |
| $Pu^{240}$ | Γ | 1.1 | 0 | 1.1 | 0 | | Absolute | * | 2 | 70HELSNK/I- 553 | Jun70 | TRM | Ramakrishna,D.V.S.+ |
| $Pu^{240}$ | $\Gamma^2\sigma(0)$ | 1.1 | 0 | 1.1 | 0 | | | TimeOfFlight | 1 | CUD- 92 | May51 | COL | Havens. |
| $Pu^{240}$ | $\Gamma^2\sigma(0)$ | 1.1 | 0 | 1.1 | 0 | | | Accelerator | 1 | 55MOSKVA- 81 7 | Jul55 | CCP | Nikitin. |
| $Pu^{240}$ | $\Gamma^2\sigma(0)$ | 1.1 | 0 | 1.1 | 0 | | | Accelerator | 1 | 55MOSKVA-294 | Jul55 | CCP | Abov. |
| $Pu^{240}$ | $\Gamma^2\sigma(0)$ | 1.1 | 0 | 1.1 | 0 | | | AreaAnalysis | 1 | ZIMMERMAN 56J | Oct56 | BNL | Zimmerman.+ |
| | OTHER RESON PARAM | | | | | | | | | | | | |
| $Pu^{240}$ | Resonance Energy | 1.0 | 0 | 1.0 | 0 | | | TimeOfFlight | 1 | 55GENEVA/ 4-224 | Aug55 | CCP | Nikitin. |
| $Pu^{240}$ | Resonance Energy | 3.8 | 1 | 3.8 | 1 | | Absolute | AreaAnalysis | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{240}$ | Resonance Energy | 2.0 | 1 | 3.2 | 2 | | | CaptureGamma | 18 | AERE/PR/NP- 4 19 | May63 | HAR | Moxon. |
| $Pu^{240}$ | Resonance Energy | 2.0 | 1 | 9.5 | 2 | P | | | 40 | 66PARIS/II-145 | Oct66 | HAR | Asghar,M.+ |
| $Pu^{240}$ | Resonance Energy | 2.0 | 1 | 1.5 | 3 | | | AreaAnalysis* | 73 | EANDC/UK-103 | 68 | HAR | Asghar,M.+ |
| $Pu^{240}$ | Resonance Energy | 2.0 | 1 | 2.9 | 2 | | | AreaAnalysis | 14 | 68WASH- 513 | Mar68 | GEL | Cao,M.G.+ |
| $Pu^{240}$ | Resonance Energy | 2.0 | 1 | 5.7 | 3 | | | AreaAnalysis | 264 | 68WASH- 519 | Mar68 | GEL | Kolar,W.+ |
| $Pu^{240}$ | Resonance Energy | 2.0 | 1 | 5.7 | 3 | | Absolute | TimeOfFlight* | 264 | JNE 22 299 | May68 | GEL | Kolar,W.+ |
| $Pu^{240}$ | Resonance Energy | 7.5 | 2 | 3.4 | 3 | | | AreaAnalysis* | 17 | NP A112 603 | May68 | GEL | Migneco,E.+ |
| $Pu^{240}$ | Resonance Energy | 1.1 | 0 | 1.1 | 0 | | Absolute | * | 1 | 70HELSNK/I- 553 | Jun70 | TRM | Ramakrishna,D.V.S.+ |
| $Pu^{240}$ | $\sigma(0)$ | 1.1 | 0 | 1.1 | 0 | | | TimeOfFlight | 1 | CUD- 92 | May51 | COL | Havens. |
| $Pu^{240}$ | $\sigma(0)$ | 1.1 | 0 | 1.1 | 0 | | | Accelerator | 1 | 55MOSKVA-294 | Jul55 | CCP | Abov. |
| $Pu^{240}$ | $\sigma(0)$ | 1.1 | 6 | 1.1 | 6 | S | | Crystal Spec | 1 | 55GENEVA/ 4-187 | Aug55 | HAR | Egelstaff.+ |
| $Pu^{240}$ | $\sigma(0)$ | 1.1 | 6 | 1.1 | 6 | S | | TimeOfFlight | 1 | 55GENEVA/ 4-187 | Aug55 | HAR | Egelstaff.+ |
| $Pu^{240}$ | $\sigma(0)$ | 1.1 | 6 | 1.1 | 6 | | | TimeOfFlight | 1 | NRDC- 84 9(1) | Dec55 | HAR | Cocking.+ |
| $Pu^{240}$ | $\sigma(0)$ | 1.1 | 0 | 1.1 | 0 | | | | 1 | JNE 2 187 | 56 | HAR | Pattenden. |
| $Pu^{240}$ | $\sigma(0)$ | 1.1 | 0 | 1.1 | 0 | | | Shape Analys | 1 | NSE 5 32 | 59 | HAN | Leonard. |
| $Pu^{240}$ | $\sigma(0)$ | 1.1 | 0 | 3.8 | 1 | | | AreaAnalysis | 3 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{240}$ | $\sigma(0)$ | 1.1 | 0 | 1.1 | 0 | | Absolute | * | 2 | 70HELSNK/I- 553 | Jun70 | TRM | Ramakrishna,D.V.S.+ |
| | AVERAGED PARAM | | | | | | | | | | | | |
| $Pu^{240}$ | Strength Fn(l=0) | 5.9 | 1 | 5.9 | 1 | | | AreaAnalysis | 1 | PTR-203 | Apr57 | MTR | Pluharty. |
| $Pu^{240}$ | Strength Fn(l=0) | 1.0 | 3 | 1.0 | 3 | | | AreaAnalysis | 1 | 66PARIS/II-145 | Oct66 | HAR | Asghar,M.+ |
| $Pu^{240}$ | Strength Fn(l=0) | 1.5 | 3 | 1.5 | 3 | | | AreaAnalysis | 1 | 68WASH- 519 | Mar68 | GEL | Kolar,W.+ |
| $Pu^{240}$ | Level Spacing | 5.9 | 1 | 5.9 | 1 | | | AreaAnalysis | 1 | PTR-203 | Apr57 | MTR | Pluharty. |
| $Pu^{240}$ | Lvl Spacing(l=0) | 1.5 | 3 | 1.5 | 3 | | | AreaAnalysis* | 1 | JNE 22 299 | May68 | GEL | Kolar,W.+ |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | | 1 | NRDC- 84 9(2) | Dec55 | CR | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 2 | NSE 1 62 | Mar56 | ANL | Fields. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Mass Spec | 1 | CRR-622 | May57 | CR | Hurst. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | 58GENEVA/16- 83 | Sep58 | CR | Craig. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | JIN 28 2467 | Nov66 | HAR | Cabell,M.J.+ |
| | ELASTIC SCATTERING | | | | | | | | | | |
| $Pu^{241}$ | Sigma | 3.0 0 | 3.3 1 | | | Accelerator | 299 | SAUTER 68F | Jun68 | LRL | Sauter. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Ion Chamber | 1 | ANL-5397 | Mar55 | ANL | Jaffey. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Ion Chamber | 1 | ANL-5397 | Mar55 | ANL | Jaffey. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | TimeOfFlight | 1 | 55GENEVA/ 4-187 | Aug55 | HAR | Egelstaff.+ |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | TimeOfFlight | 1 | 55GENEVA/ 4-187 | Aug55 | HAR | Egelstaff.+ |
| $Pu^{241}$ | Sigma | 1.2 -2 | 7.4 2 | | σ(Thermal) | TimeOfFlight | 157 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Ion Chamber | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | | 1 | NRDC- 84 9(1) | Dec55 | HAR | Cocking.+ |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | NRDC- 84 9(3) | Dec55 | HAR | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Fission Det | 2 | NRDC- 84 9(3) | Dec55 | HAR | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | TimeOfFlight | 1 | NRDC- 84 9(3) | Dec55 | HAR | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 1 | NRDC- 84 9(3) | Dec55 | HAR | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | TimeOfFlight | 1 | NRDC- 84 9(3) | Dec55 | HAR | |
| $Pu^{241}$ | Sigma | 6.1 -3 | 7.5 0 | | σ(Thermal) | Ion Chamber | 74 | JNE 2 177 | 56 | HAR | Richmond. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 2 | NSE 1 62 | Mar56 | ANL | Fields. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | S | Ratio | Fission Det | 1 | TID- 7547 112 | 57 | CR | Bigham. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Back-to-Back | 1 | TID- 7547 113 | 57 | CR | Tunnicliffe. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 1.0 -1 | | Au(n,γ) | Crystal Spec | 2 | HW-48893 98 | Mar57 | HAN | Leonard. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Crystal Spec | 2 | HW-48893 98 | Mar57 | HAN | Leonard. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $U^{235}$(n,f) | Crystal Spec | 1 | HW-48893 98 | Mar57 | HAN | Leonard. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 1 | TID- 7547 115 | Sep57 | HAN | Leonard. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Back-to-Back | 2 | UK/C/6-125 | Sep57 | CR | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | N | Au(n,γ) | Back-to-Back | 1 | UK/C/6-125 | Sep57 | CR | |
| $Pu^{241}$ | Sigma | 2.6 -2 | 9.4 -1 | | | Crystal Spec | 62 | SEPPI 58 | 58 | HAN | Seppi. |
| $Pu^{241}$ | Sigma | 2.5 -3 | 4.7 -3 | | σ(E≠E(th)) | Crystal Spec | 10 | HW-55879 3 | Apr58 | HAN | Seppi. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Fission Det | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Back-to-Back | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | Fission Det | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Fission Det | 2 | 58GENEVA/16-125 | Sep58 | CR | Bigham. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Fission Det | 2 | AERE/R-2998 | Jul59 | HAR | |
| $Pu^{241}$ | Sigma | 6.1 -3 | 9.7 -2 | | $Pu^{239}$ | TimeOfFlight | 11 | AERE/R-2998 | Jul59 | HAR | |
| $Pu^{241}$ | Sigma | 1.0 5 | 2.0 7 | | | Crystal Spec | 2 | HW-62727 19 | Oct59 | HAN | Leonard. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Crystal Spec | 1 | HW-62727 19 | Oct59 | HAN | Leonard. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $U^{235}$(n,f) | Crystal Spec | 1 | HW-62727 19 | Oct59 | HAN | Leonard. |
| $Pu^{241}$ | Sigma | 2.5 6 | 1.5 7 | | | Long Counter | 2 | AE 8 139 | Feb60 | CCP | Kazarinova. |
| $Pu^{241}$ | Sigma | 1.0 5 | 1.8 6 | | $U^{235}$(n,f) | Back-to-Back | 82 | PR 124 1129 | Nov61 | ANL | Butler,D.K.+ |
| $Pu^{241}$ | Sigma | 4.0 5 | 2.1 7 | | $U^{235}$(n,f) | Ion Chamber | 30 | PR 125 1329 | Feb62 | LAS | Smith,H.L.+ |
| $Pu^{241}$ | Sigma | 1.2 5 | 2.1 7 | | Ratio | Ion Chamber | 33 | PR 125 1329 | Feb62 | LAS | Smith,H.L.+ |
| $Pu^{241}$ | Sigma | 1.2 5 | 2.7 5 | | Alna+Cu(n2n) | Ion Chamber | 3 | PR 125 1329 | Feb62 | LAS | Smith,H.L.+ |
| $Pu^{241}$ | Sigma | 1.2 5 | 2.1 7 | S | Ratio | Ion Chamber | 33 | PR 125 1329 | Feb62 | LAS | Smith,H.L.+ |
| $Pu^{241}$ | Sigma | 4.0 5 | 2.1 7 | S | Alna+Cu(n2n) | Ion Chamber | 31 | PR 125 1329 | Feb62 | LAS | Smith,H.L.+ |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | TimeOfFlight | 1 | BAP 7 303 | Apr62 | MTR | Watanabe. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | TimeOfFlight | 1 | IDO-16781 14 | May62 | MTR | Watanabe. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Pission Det | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| $Pu^{241}$ | Sigma | 2.4 -2 | 2.0 0 | | σ(E≠E(th)) | TimeOfFlight | 505 | IDO-16995 | Jun64 | MTR | Watanabe. |
| $Pu^{241}$ | Sigma | 2.0 0 | 2.9 3 | S | σ(E≠E(th)) | TimeOfFlight | 312 | IDO-16995 | Jun64 | MTR | Watanabe. |
| $Pu^{241}$ | Sigma | 3.1 0 | 7.3 0 | | | TimeOfFlight | 16 | IDO-16995 37 | Jun64 | MTR | |
| $Pu^{241}$ | Sigma | 2.2 0 | 1.0 2 | | | TimeOfFlight | 1018 | PR 135B 945 | Aug64 | RPI | Moore,M.S.+ |
| $Pu^{241}$ | Sigma | 8.4 -3 | 2.5 3 | | | TimeOfFlight | 1637 | NP 65 353 | Mar65 | HAR | James. |
| $Pu^{241}$ | Sigma | 4.0 4 | 5.0 5 | | $U^{235}$(n,f) | Back-to-Back | 5 | 65SALZB/I- 219 | Mar65 | ALD | White,P.H.+ |
| $Pu^{241}$ | Sigma | 2.0 1 | 9.8 5 | | | TimeOfFlight | 2554 | 66WASH- 910 | Mar66 | LAS | Simpson,O.D.+ |
| $Pu^{241}$ | Sigma | 8.1 1 | 1.9 2 | | | TimeOfFlight | 71 | IDO-17174 | Apr66 | MTR | Simpson. |
| $Pu^{241}$ | Sigma | 2.0 1 | 1.6 2 | S | | TimeOfFlight | 840 | IDO-17174 | Apr66 | MTR | Simpson. |
| $Pu^{241}$ | Sigma | 6.3 -3 | 5.0 -1 | | σ(Thermal) | TimeOfFlight | 258 | IN-1012 | Jul66 | MTR | Watanabe. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Back-to-Back | 1 | 66PARIS/II- 29 | Oct66 | ALD | White,P.H.+ |
| $Pu^{241}$ | Sigma | 1.6 -2 | 5.4 -1 | | Ratio | Back-to-Back | 9 | 66PARIS/II- 29 | Oct66 | ALD | White,P.H.+ |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | C | $U^{235}$(n,f) | Back-to-Back | 2 | 66PARIS/II- 29 | Oct66 | ALD | White,P.H.+ |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | C | Ratio | Back-to-Back | 2 | 66PARIS/II- 29 | Oct66 | ALD | White,P.H.+ |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | * | 1 | AEEW/R- 526 | Jun67 | WIN | Stevenson,J.M.+ |
| $Pu^{241}$ | Sigma | 1.0 6 | 1.4 7 | | Ratio | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| $Pu^{241}$ | Sigma | 1.0 6 | 1.4 7 | N | $U^{235}$(n,f) | Back-to-Back | 4 | JNE 21 671 | Aug67 | ALD | White,P.H.+ |
| $Pu^{241}$ | Sigma | 2.7 0 | 4.0 3 | | σ(E≠E(th)) | TimeOfFlight* | 10441 | 70HELSNK/I- 437 | Jun70 | GEL | Migneco,E.+ |
| $Pu^{241}$ | Sigma | 2.0 1 | 3.0 3 | | | TimeOfFlight* | 19 | 70HELSNK/I- 469 | Jun70 | SAC | Blons,J.+ |
| $Pu^{241}$ | Sigma | 1.4 4 | 1.1 6 | | Ratio | Gas Scint * | 42 | 70HELSNK/II- 77 | Jun70 | KFK | Kaeppeler,F.+ |
| $Pu^{241}$ | σ*Sqrt(E) | 2.5 -3 | 4.7 -3 | | σ(E≠E(th)) | Crystal Spec | 10 | HW-55879 3 | Apr58 | HAN | Seppi. |
| $Pu^{241}$ | σ*Sqrt(E) | 2.5 -2 | 1.2 -1 | | Ratio | | 2 | HW-62727 19 | Oct59 | HAN | Leonard. |
| $Pu^{241}$ | Reson Integral | 5.0 5 | 5.0 5 | | Au(n,γ) | Fission Det | 1 | NSE 9 341 | Mar61 | BET | Hardy. |
| $Pu^{241}$ | Reson Integral | 4.5 -1 | 4.5 -1 | | Au(n,γ) | Pission Det | 1 | CRRP-1183 | Feb64 | CR | Bigham. |
| $Pu^{241}$ | Reson Integral | 2.0 1 | 2.0 3 | | σ(E≠E(th)) | TimeOfFlight* | 19 | 70HELSNK/I- 437 | Jun70 | GEL | Migneco,E.+ |
| | NU-BAR | | | | | | | | | | |
| $Pu^{241}$ | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | Ratio | Ion Chamber | 1 | 55MOSKVA-123 | Jul55 | CCP | Kalashnikova. |
| $Pu^{241}$ | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| $Pu^{241}$ | Prompt+Delayed | 2.5 -2 | 2.5 -2 | N | Ratio | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| $Pu^{241}$ | Prompt+Delayed | 2.5 -2 | 2.5 -2 | | | Ring Geomtry | 1 | JNE 11 21 | 59 | ANL | Jaffey. |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | | Coincidences | 1 | 55MOSKVA-131 | Jul55 | CCP | Kalashnikov. |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | ReactivityCo | 1 | KAPL-1464 | Dec55 | KAP | Mcmillan. |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | S | | | 1 | NRDC- 84 9(1) | Dec55 | HAR | Cocking.+ |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Coincidences | 1 | JNE 2 247 | 56 | HAR | Sanders. |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 1 | JNE 2 247 | 56 | HAR | Sanders. |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | N | $U^{235}$(n,f) | Coincidences | 1 | JNE 2 247 | 56 | HAR | Sanders. |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Hornyak Butn | 1 | NSE 5 49 | 59 | ORL | Desaussure. |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Hornyak Butn | 1 | NSE 5 49 | 59 | ORL | Desaussure. |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | PlasticScint | 1 | PR 123 2140 | Sep61 | ANL | Smith,A.B.+ |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Coincidences | 1 | COLVIN 64 | 64 | HAR | Colvin. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | NU-BAR (CONTINUED) | | | | | | | | | | |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 1 | COLVIN 64 | 64 | HAR | Colvin. |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | Ratio | Coincidences | 1 | 65SALZB/II- 25 | Mar65 | HAR | Colvin,D.W.+ |
| $Pu^{241}$ | Prompt | 2.5 -2 | 2.5 -2 | | Cf$^{252}$(Nu) | Coincidences* | 1 | AAEC/E- 172 | Mar67 | AUA | Boldeman,J.W.+ |
| $Pu^{241}$ | Prompt | 5.2 5 | 1.5 7 | | Cf$^{252}$(Nu) | Scint Tank * | 5 | JNE- 22 53 | Jan68 | AE | Conde,H.+ |
| $Pu^{241}$ | Unspecified | 2.5 -2 | 2.5 -2 | | | | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| | MISC FISS QUANT | | | | | | | | | | |
| $Pu^{241}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | | | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Pu^{241}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | S | | | 1 | NRDC- 84 9(1) | Dec55 | HAR | Cocking.+ |
| $Pu^{241}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | U$^{235}$(n,f) | ReactivityCo | 1 | NSE 3 758 | 58 | KAP | Gaerttner.+ |
| $Pu^{241}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Ratio | ReactivityCo | 1 | NSE 3 758 | 58 | KAP | Gaerttner.+ |
| $Pu^{241}$ | Neutron/Capture | 2.5 -2 | 2.5 -2 | | Ratio | ReactivityCo | 2 | IN-1060 | Aug67 | MTR | Past. |
| $Pu^{241}$ | Neutron/Capture | 2.5 -2 | 6.0 4 | | | ManganesBath | 2 | 68WASH- 589 | Mar68 | MTR | Smith,J.R.+ |
| $Pu^{241}$ | Alpha | 2.5 -2 | 2.5 -2 | S | | | 1 | NRDC- 84 9(1) | Dec55 | HAR | Cocking.+ |
| $Pu^{241}$ | Alpha | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | 66PARIS/II- 3 | Oct66 | HAR | Cabell,M.J. |
| $Pu^{241}$ | Alpha | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | JIN 28 2467 | Nov66 | HAR | Cabell,M.J.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | | 1 | NRDC- 84 9(1) | Dec55 | HAR | Cocking.+ |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 3 | NSE 1 62 | Mar56 | ANL | Fields. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | Mass Spec | 1 | JIN 28 2467 | Nov66 | HAR | Cabell,M.J.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pu^{241}$ | Sigma | 2.5 -2 | 1.4 1 | | | TimeOfFlight | 3 | BAP 3 176 | May58 | BNL | Fluharty,R.G.+ |
| $Pu^{241}$ | Sigma | 1.0 -2 | 5.4 -1 | | Absolute | TimeOfFlight | 44 | BAP 3 176 | May58 | BNL | Fluharty,R.G.+ |
| $Pu^{241}$ | Sigma | 1.6 -2 | 6.3 2 | | | TimeOfFlight | 1756 | NSE 11 111 | Sep61 | MTR | Simpson,O.D.+ |
| $Pu^{241}$ | Sigma | 2.3 0 | 6.8 2 | | | TimeOfFlight | 3620 | PATTENDEN 64D | Apr64 | HAR | Pattenden. |
| $Pu^{241}$ | Sigma | 1.5 1 | 1.5 1 | | | TimeOfFlight | 8 | CJP 42 2384 | Dec64 | CR | Craig. |
| $Pu^{241}$ | Sigma | 2.5 -2 | 1.0 3 | | Absolute | TimeOfFlight | 4308 | CJP 42 2384 | Dec64 | CR | Craig. |
| $Pu^{241}$ | Sigma | 6.8 -1 | 7.3 2 | | Absolute | TimeOfFlight | 7070 | EANDC/E-127 | Mar70 | GEL | Kolar,W.+ |
| $Pu^{241}$ | $\sigma$*Sqrt(E) | 2.5 -2 | 7.5 -1 | | Absolute | TimeOfFlight | 129 | CJP 42 2348 | Dec64 | CR | Craig. |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Pu^{241}$ | $\Gamma(\gamma)$ | 2.5 -1 | 2.5 -1 | | | TimeOfFlight | 4 | BAP 3 176 | May58 | BNL | Fluharty,R.G.+ |
| $Pu^{241}$ | $\Gamma(\gamma)$ | 1.3 1 | 9.9 1 | | | Shape Analys* | 84 | 71KNOXVILL/6 26 | Mar71 | GEL | Kolar,W.+ |
| | n-WIDTH | | | | | | | | | | |
| $Pu^{241}$ | $\Gamma(n)$ | 4.3 0 | 4.3 0 | | Absolute | AreaAnalysis | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{241}$ | $2g\Gamma(n)$ | 4.3 0 | 4.3 0 | | | TimeOfFlight | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{241}$ | $2g\Gamma(n)$ | 2.5 -1 | 8.7 0 | | | TimeOfFlight | 7 | BAP 3 176 | May58 | BNL | Fluharty,R.G.+ |
| $Pu^{241}$ | $2g\Gamma(n)$ | 1.5 1 | 3.1 1 | | | Breit-Wigner | 12 | CJP 42 2384 | Dec64 | CR | Craig. |
| $Pu^{241}$ | $\Gamma(n,l=0)$ | 4.3 0 | 4.3 0 | | Absolute | AreaAnalysis | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{241}$ | $2g\Gamma(n,l=0)$ | 2.6 -1 | 1.0 1 | | Absolute | MultiLvl Fit | 8 | PR 123 559 | Jul61 | MTR | Simpson. |
| $Pu^{241}$ | $2g\Gamma(n,l=0)$ | 4.3 0 | 8.6 0 | S | Absolute | MultiLvl Fit | 3 | PR 123 559 | Jul61 | MTR | Simpson. |
| $Pu^{241}$ | $2g\Gamma(n,l=0)$ | 1.3 1 | 5.0 1 | | | AreaAnalysis | 33 | AERE/PR/NP- 7 6 | 64 | HAR | Pattenden. |
| $Pu^{241}$ | $2g\Gamma(n,l=0)$ | 1.3 1 | 1.7 1 | | | MultiLvl Fit | 6 | AERE/PR/NP- 6 3 | Apr64 | HAR | James. |
| $Pu^{241}$ | $2g\Gamma(n,l=0)$ | 1.3 1 | 5.0 1 | | | | 31 | AERE/PR/NP- 6 10 | Apr64 | HAR | Pattenden,N.J.+ |
| $Pu^{241}$ | $2g\Gamma(n,l=0)$ | 4.3 0 | 3.5 1 | | | MultiLvl Fit | 21 | PR 135B 945 | Aug64 | RPI | Moore,M.S.+ |
| $Pu^{241}$ | $2g\Gamma(n,l=0)$ | 1.5 1 | 3.1 1 | | | Breit-Wigner | 12 | CJP 42 2384 | Dec64 | CR | Craig. |
| $Pu^{241}$ | $2g\Gamma(n,l=0)$ | 1.3 1 | 9.9 1 | | | Shape Analys* | 87 | 71KNOXVILL/6 26 | Mar71 | GEL | Kolar,W.+ |
| | FISSION WIDTH | | | | | | | | | | |
| $Pu^{241}$ | $\Gamma$(Piss) | 2.5 -1 | 6.0 0 | | | TimeOfFlight | 4 | BAP 3 176 | May58 | BNL | Fluharty,R.G.+ |
| $Pu^{241}$ | $\Gamma$(Piss) | 2.6 -1 | 1.0 1 | | Absolute | MultiLvl Fit | 8 | PR 123 559 | Jul61 | MTR | Simpson. |
| $Pu^{241}$ | $\Gamma$(Piss) | 1.3 1 | 1.7 1 | | | MultiLvl Fit | 6 | AERE/PR/NP- 6 3 | Apr64 | HAR | James. |
| $Pu^{241}$ | $\Gamma$(Piss) | 4.3 0 | 3.5 1 | | | MultiLvl Fit | 21 | PR 135B 945 | Aug64 | RPI | Moore,M.S.+ |
| $Pu^{241}$ | $\Gamma$(Piss) | 4.3 0 | 5.0 1 | | | Shape Analys* | 34 | 70HELSNK/I- 469 | Jun70 | SAC | Blons,J.+ |
| $Pu^{241}$ | $\Gamma$(Piss) | 1.3 1 | 9.9 1 | | | Shape Analys* | 84 | 71KNOXVILL/6 26 | Mar71 | GEL | Kolar,W.+ |
| $Pu^{241}$ | $\Gamma$(Piss)$\sigma$(0) | 4.3 0 | 8.6 0 | | Boron | Crystal Spec | 6 | HW-62727 19 | Oct59 | HAN | Leonard. |
| $Pu^{241}$ | $\Gamma$(Piss)$\sigma$(0) | 4.3 0 | 1.8 1 | | | TimeOfFlight | 14 | 61SACLAY-115 | Jul61 | HAR | James. |
| $Pu^{241}$ | $\Gamma$(Piss)$\sigma$(0) | 4.3 0 | 6.2 1 | | | Shape Analys* | 45 | 70HELSNK/I- 469 | Jun70 | SAC | Blons,J.+ |
| $Pu^{241}$ | $\Gamma$(Piss)$\sigma$(0)/$\Gamma$ | 2.5 -1 | 2.5 -1 | | | Crystal Spec | 1 | JNE 2 177 | 56 | HAR | Richmond. |
| $Pu^{241}$ | $\langle\Gamma(f)\rangle$ | 3.0 1 | 1.0 2 | | | Shape Analys* | 2 | 71KNOXVILL/6 26 | Mar71 | GEL | Kolar,W.+ |
| | TOTAL WIDTH | | | | | | | | | | |
| $Pu^{241}$ | $\Gamma$ | 2.5 -1 | 4.4 0 | | | Crystal Spec | 2 | JNE 2 177 | 56 | HAR | Richmond. |
| $Pu^{241}$ | $\Gamma$ | 2.5 -1 | 2.5 -1 | | | TimeOfFlight | 1 | BAP 3 176 | May58 | BNL | Fluharty,R.G.+ |
| $Pu^{241}$ | $\Gamma$ | 4.3 0 | 8.6 0 | | | Crystal Spec | 6 | HW-62727 19 | Oct59 | HAN | Leonard. |
| $Pu^{241}$ | $\Gamma$ | 1.3 1 | 5.0 1 | | | AreaAnalysis | 33 | AERE/PR/NP- 7 6 | 64 | HAR | Pattenden. |
| $Pu^{241}$ | $\Gamma$ | 1.5 1 | 3.1 1 | | | Breit-Wigner | 11 | CJP 42 2384 | Dec64 | CR | Craig. |
| $Pu^{241}$ | $\Gamma$ | 4.3 0 | 5.0 1 | | | Shape Analys* | 37 | 70HELSNK/I- 469 | Jun70 | SAC | Blons,J.+ |
| $Pu^{241}$ | $\Gamma$ | 1.3 1 | 9.9 1 | | | Shape Analys* | 95 | 71KNOXVILL/6 26 | Mar71 | GEL | Kolar,W.+ |
| $Pu^{241}$ | $\Gamma\sigma$(0) | 2.5 -1 | 2.5 -1 | | | TimeOfFlight | 1 | BAP 3 176 | May58 | BNL | Fluharty,R.G.+ |
| $Pu^{241}$ | $\Gamma\sigma$(0) | 4.3 0 | 4.8 1 | | | Shape Analys* | 34 | 70HELSNK/I- 469 | Jun70 | SAC | Blons,J.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Pu^{241}$ | Resonance Energy | 5.8 0 | 1.0 1 | | | Crystal Spec | 4 | 55GENEVA/ 4-187 | Aug55 | HAR | Egelstaff.+ |
| $Pu^{241}$ | Resonance Energy | 4.5 0 | 6.8 0 | | Absolute | AreaAnalysis | 2 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{241}$ | Resonance Energy | 4.3 0 | 6.2 1 | | | Shape Analys* | 48 | 70HELSNK/I- 469 | Jun70 | SAC | Blons,J.+ |
| $Pu^{241}$ | Resonance Energy | 1.3 1 | 9.9 1 | | | Shape Analys* | 95 | 71KNOXVILL/6 26 | Mar71 | GEL | Kolar,W.+ |
| $Pu^{241}$ | $\sigma$(0) | 1.5 1 | 3.1 1 | | | Breit-Wigner | 12 | CJP 42 2384 | Dec64 | CR | Craig. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Pu^{241}$ | Strength Funct | 1.5 1 | 1.5 1 | | | Breit-Wigner | 1 | CJP 42 2384 | Dec64 | CR | Craig. |
| $Pu^{241}$ | Strength Fn(l=0) | 1.2 1 | 1.2 1 | | | | 1 | AERE/PR/NP- 6 3 | Apr64 | HAR | James. |
| $Pu^{241}$ | Strength Fn(l=0) | 5.0 1 | 5.0 1 | | | Shape Analys* | 1 | 71KNOXVILL/6 26 | Mar71 | GEL | Kolar,W.+ |
| $Pu^{241}$ | Level Spacing | 5.0 1 | 5.0 1 | | | Shape Analys* | 1 | 71KNOXVILL/6 26 | Mar71 | GEL | Kolar,W.+ |
| $Pu^{241}$ | Lvl Spacing(l=0) | 1.2 1 | 1.2 1 | | | | 1 | AERE/PR/NP- 6 3 | Apr64 | HAR | James. |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $Pu^{242}$ | Sigma | 2.5 4 | 2.5 4 | | | Activation | 1 | PR 93 1433 | Mar54 | ANL | Studier. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | Co$^{59}$ | Activation | 1 | PR/CM- 2 8 | May55 | CR | Butler. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 2 | PR/CM- 3 12 | Sep55 | CR | Butler. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | NSE 1 62 | Mar56 | ANL | Fields. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION (CONTINUED) | | | | | | | | | | |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Co^{59}$ | Mass Spec | 2 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 2 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| $Pu^{242}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | PR/CM- 3 12 | Sep55 | CR | Butler. |
| $Pu^{242}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{242}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{242}$ | Reson Integral | 5.0 -1 | 5.0 -1 | N | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{242}$ | Reson Integral | 9.2 -1 | 9.2 -1 | | $Co^{59}$ | Activation | 1 | 68WASH-1279 | Mar68 | SRL | Folger. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 58GENEVA/16- 54 | Sep58 | CR | Eastwood,T.A.+ |
| $Pu^{242}$ | Sigma | 1.4 5 | 1.7 6 | | $U^{235}(n,f)$ | Back-to-Back | 65 | PR 117 1305 | Mar60 | ANL | Butler. |
| $Pu^{242}$ | Sigma | 1.5 7 | 1.5 7 | | $U^{238}(n,f)$ | Diff Sig Int | 1 | YF 5 966 | May67 | CCP | Fomushkin. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | * | 1 | AEEW/R- 526 | Jun67 | WIN | Stevenson,J.M.+ |
| $Pu^{242}$ | Sigma | 2.7 1 | 8.1 2 | | | TimeOfFlight* | 24 | NP A123 24 | 69 | HAR | James,G.D. |
| | NU-BAR | | | | | | | | | | |
| $Pu^{242}$ | Prompt | 0.0 | 0.0 | | $Cf^{252}(Nu)$ | Coincidences* | 1 | JNE 22 63 | Feb68 | AUA | Boldeman,J.W. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR/CM- 2 8 | May55 | CR | Butler. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | 68WASH-1279 | Mar68 | SRL | Folger. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | IN-1132 | Jun68 | MTR | Young. |
| $Pu^{242}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | TimeOfFlight | 1 | PR 114 505 | Apr59 | ANL | Cote. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Pu^{242}$ | Sigma | 2.3 0 | 5.5 1 | | Absolute | TimeOfFlight | 50 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | BAP 11 335 | Apr66 | MTR | Young,T.E.+ |
| $Pu^{242}$ | Sigma | 2.5 0 | 3.9 2 | | Absolute | TimeOfFlight | 182 | PR 146 840 | Jun66 | LRL | Auchampaugh,G.F.+ |
| $Pu^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | Absolute | TimeOfFlight | 1 | IN-1132 | Jun68 | MTR | Young. |
| | γ-WIDTH | | | | | | | | | | |
| $Pu^{242}$ | Γ(γ) | 2.6 0 | 2.6 0 | | | | 1 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{242}$ | Γ(γ) | 2.7 0 | 5.3 1 | | | AreaAnalysis | 2 | IN-1132 | Jun68 | MTR | Young. |
| $Pu^{242}$ | Γ(γ) | 2.7 0 | 2.7 0 | | | Shape Analys | 1 | IN-1132 | Jun68 | MTR | Young. |
| | n-WIDTH | | | | | | | | | | |
| $Pu^{242}$ | Γ(n) | 2.7 0 | 2.7 0 | | Absolute | AreaAnalysis | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{242}$ | Γ(n) | 2.6 0 | 5.4 1 | | | | 2 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{242}$ | Γ(n) | 2.6 0 | 3.1 2 | | | AreaAnalysis | 18 | 65ANTWRP- 93 | Jul65 | HAR | Pattenden,N.J. |
| $Pu^{242}$ | Γ(n) | 2.6 0 | 3.9 2 | | | AreaAnalysis | 14 | PR 146 840 | Jun66 | LRL | Auchampaugh,G.F.+ |
| $Pu^{242}$ | Γ(n) | 7.7 2 | 8.0 2 | | | AreaAnalysis | 2 | AERE/R-5924 | Oct68 | HAR | James,G.D. |
| $Pu^{242}$ | Γ(n,l=0) | 2.7 0 | 2.7 0 | | Absolute | AreaAnalysis | 1 | JNE 6 303 | Mar58 | HAR | Egelstaff,P.A.+ |
| $Pu^{242}$ | Γ(n,l=0) | 2.6 0 | 3.1 2 | | | AreaAnalysis | 36 | 65ANTWRP- 93 | Jul65 | HAR | Pattenden,N.J. |
| $Pu^{242}$ | Γ(n,l=0) | 2.7 0 | 1.5 2 | | | AreaAnalysis | 9 | IN-1132 | Jun68 | MTR | Young. |
| $Pu^{242}$ | Γ(n,l=0) | -5.0 0 | 2.7 0 | | | Shape Analys | 3 | IN-1132 | Jun68 | MTR | Young. |
| | FISSION WIDTH | | | | | | | | | | |
| $Pu^{242}$ | Γ(Piss) | 7.7 2 | 8.0 2 | | | AreaAnalysis | 2 | AERE/R-5924 | Oct68 | HAR | James,G.D. |
| $Pu^{242}$ | Γ(Piss)σ(0) | 7.7 2 | 3.0 4 | | | AreaAnalysis | 3 | AERE/R-5924 | Oct68 | HAR | James,G.D. |
| $Pu^{242}$ | Γ(Piss)σ(0)/Γ | 2.6 0 | 2.6 0 | | | Crystal Spec | 1 | BAP 6 8 | 61 | HAN | Leonard. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Pu^{242}$ | Γ | 2.6 0 | 5.4 1 | | | | 2 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{242}$ | Γ | 2.6 0 | 2.6 0 | | | Shape Analys | 1 | PR 146 840 | Jun66 | LRL | Auchampaugh,G.F.+ |
| $Pu^{242}$ | Γ | 5.3 1 | 5.3 1 | | | Thick+Thin T | 1 | PR 146 840 | Jun66 | LRL | Auchampaugh,G.F.+ |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Pu^{242}$ | Resonance Energy | 3.3 2 | 8.3 2 | | Absolute | TimeOfFlight | 8 | 65ANTWRP- 93 | Jul65 | HAR | Pattenden,N.J. |
| $Pu^{242}$ | Resonance Energy | 7.7 2 | 3.0 4 | | | AreaAnalysis* | 3 | AERE/R-5924 | Oct68 | HAR | James,G.D. |
| $Pu^{242}$ | σ(0) | 2.6 0 | 5.4 1 | | | | 2 | PR 114 505 | Apr59 | ANL | Cote. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Pu^{242}$ | Strength Fn(l=0) | 2.7 1 | 2.7 1 | | | | 1 | PR 114 505 | Apr59 | ANL | Cote. |
| $Pu^{242}$ | Strength Fn(l=0) | 3.5 2 | 3.5 2 | | | AreaAnalysis | 1 | 65ANTWRP- 93 | Jul65 | HAR | Pattenden,N.J. |
| $Pu^{242}$ | Strength Fn(l=0) | 4.0 3 | 4.0 3 | | | | 1 | IN-1132 | Jun68 | MTR | Young. |
| $Pu^{242}$ | Lvl Spacing(l=0) | 3.5 2 | 3.5 2 | | | | 1 | 65ANTWRP- 93 | Jul65 | HAR | Pattenden,N.J. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pu^{243}$ | Sigma | 2.5 4 | 2.5 4 | | | Activation | 1 | PR 93 1433 | Mar54 | ANL | Studier. |
| $Pu^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Pu^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 2 | NSE 1 62 | Mar56 | ANL | Fields. |
| $Pu^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Pu^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Back-to-Back | 1 | JIN 30 2553 | Oct68 | ANL | Diamond. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pu^{244}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Pu^{244}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NSE 1 62 | Mar56 | ANL | Fields. |
| $Pu^{244}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Activation | 1 | NSE 1 62 | Mar56 | MTR | Fields. |
| | NU-BAR | | | | | | | | | | |
| $Pu^{244}$ | Prompt+Delayed | 0.0 | 0.0 | | $Cf^{252}(Nu)$ | * | 1 | NSE 43 54 | Jan71 | LAS | Orth,C.J. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Pu^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Pu^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 2 | NSE 1 62 | Mar56 | ANL | Fields. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | CS-3471 4 | 46 | ANL | Seaborg. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Activation | 1 | CS-3471 4 | 46 | ANL | Seaborg. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Activation | 1 | PR 79 530 | Aug50 | BRK | Street. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 81 486 | Feb51 | CR | Hanna. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 85 135 | Jan52 | BRK | Street. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 85 135 | Jan52 | BRK | Street. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | S | | Activation | 1 | PR 85 135 | Jan52 | BRK | Street. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | JNE 8 224 | Jan59 | LRL | Hoff,R.W.+ |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | JNE 8 224 | Jan59 | LRL | Hoff,R.W.+ |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | WASH-1053 76 | Oct64 | MTR | Deal. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | P-2347 | 65 | DUB | Markov. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | PL 19 226 | Oct65 | LRL | White. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | YF 3 455 | Mar66 | DUB | Markov. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | | 2 | AE 23 316 | Oct67 | CCP | Bak,M.A.+ |
| $Am^{241}$ | Sigma | 3.0 5 | 6.8 6 | | | * | 9 | NP A102 443 | Oct67 | BUC | Plerov,G.N.+ |
| $Am^{241}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | Activation | 1 | WASH-1053 76 | Oct64 | MTR | Deal. |
| $Am^{241}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | | 2 | AE 23 316 | Oct67 | CCP | Bak,M.A.+ |
| | (n,2n) REACTION | | | | | | | | | | |
| $Am^{241}$ | Sigma | 1.4 7 | 1.4 7 | | | | 1 | YF 6 488 | Sep67 | CCP | Pleve. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | PR 81 893 | Mar51 | CR | Hanna. |
| $Am^{241}$ | Sigma | 4.9 5 | 7.3 6 | | $U^{235}$(n,f) | Gas Scint | 13 | PR 99 616 | Jul55 | LAS | Nobles,R.A.+ |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Back-to-Back | 1 | PR 107 1294 | Sep57 | LRL | Hulet. |
| $Am^{241}$ | Sigma | 1.5 7 | 1.5 7 | | | Ion Chamber | 1 | AE 6 67 | 59 | CCP | Protopopov. |
| $Am^{241}$ | Sigma | 3.1 -2 | 5.2 0 | | | Crystal Spec | 109 | BAP 4 31 | Jan59 | HAN | Leonard. |
| $Am^{241}$ | Sigma | 2.5 6 | 1.5 7 | | | Long Counter | 2 | AE 8 139 | Feb60 | CCP | Kazarinova. |
| $Am^{241}$ | Sigma | 4.0 -3 | 4.2 -1 | | Absolute | TimeOfFlight | 15 | IPG 8 75 | 62 | CCP | Gerasimov. |
| $Am^{241}$ | Sigma | 2.0 1 | 9.8 5 | | | TimeOfFlight | 2463 | HEMMENDINGER 66H | Aug66 | LAS | Seeger.+ |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Proportion C | 1 | HYAKUTAKE 66H | Aug66 | KYU | Hyakutake,M. |
| $Am^{241}$ | Sigma | 2.3 -2 | 5.0 1 | | σ(Thermal) | TimeOfFlight | 588 | 66PARIS/II-129 | Oct66 | KUR | Gerasimov. |
| $Am^{241}$ | Sigma | 1.5 7 | 1.5 7 | | $U^{238}$(n,f) | Ion Chamber | 1 | YF 5 966 | May67 | CCP | Pomushkin. |
| $Am^{241}$ | Sigma | 1.0 6 | 1.5 7 | | $U^{238}$(n,f) | Diff Sig Int | 2 | YF 5 966 | May67 | CCP | Pomushkin. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | | 1 | AE 23 316 | Oct67 | CCP | Bak,M.A.+ |
| $Am^{241}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | Au(n,γ) | | 1 | AE 23 316 | Oct67 | CCP | Bak,M.A.+ |
| | NU-BAR | | | | | | | | | | |
| $Am^{241}$ | Unspecified | 2.5 -2 | 2.5 -2 | | | Ion Chamber | 1 | AE 5 176 | Aug58 | CCP | Lebedev,V.I.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 81 486 | Feb51 | CR | Hanna. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | Au(n,γ) | Pile Oscilat | 1 | ORNL-1879 50 | 55 | ORL | Pomerance. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | JNE 8 224 | Jan59 | LRL | Hoff,R.W.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Am^{241}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $Am^{241}$ | Sigma | 6.0 -3 | 8.2 1 | | Absolute | TimeOfFlight | 203 | 55GENEVA/ 4-216 | Aug55 | CCP | Adamchuk. |
| $Am^{241}$ | Sigma | 2.5 -1 | 4.2 0 | | Absolute | TimeOfFlight | 454 | BAP 4 34 | Jan59 | ORL | Brussel. |
| | γ-WIDTH | | | | | | | | | | |
| $Am^{241}$ | Γ(γ) | 3.1 -1 | 1.3 0 | | | TimeOfFlight | 3 | ORNL-2718 26 | 59 | ORL | Harvey,J.A.+ |
| | n-WIDTH | | | | | | | | | | |
| $Am^{241}$ | 2gΓ(n) | 3.1 -1 | 1.7 1 | | | TimeOfFlight | 22 | ORNL-2718 26 | 59 | ORL | Harvey,J.A.+ |
| $Am^{241}$ | 2gΓ(n,l=0) | 3.0 -1 | 4.3 1 | | | AreaAnalysis | 53 | ORNL-3085 42 | 61 | ORL | Slaughter. |
| | FISSION WIDTH | | | | | | | | | | |
| $Am^{241}$ | Γ(Piss) | 3.1 -1 | 4.0 0 | | | Crystal Spec | 7 | HW-59126 3 | 59 | HAN | Leonard. |
| $Am^{241}$ | Γ(Piss) | 3.2 -1 | 1.3 0 | | | Shape Analys | 3 | PR 137B 326 | Jan65 | LRL | Bowman. |
| $Am^{241}$ | Γ(Piss)σ(0) | 5.8 -1 | 4.0 0 | | | Crystal Spec | 6 | HW-59126 3 | 59 | HAN | Leonard. |
| $Am^{241}$ | Γ(Piss)σ(0) | 1.7 0 | 1.7 0 | | | AreaAnalysis | 1 | PR 137B 326 | Jan65 | LRL | Bowman. |
| $Am^{241}$ | Γ(Piss)/Γ | 1.3 0 | 1.3 0 | | | | 1 | PR 137B 326 | Jan65 | LRL | Bowman. |
| $Am^{241}$ | Γ(Piss)/Γ | 4.0 6 | 6.2 6 | | | AreaAnalysis | 3 | PR 137B 326 | Jan65 | LRL | Bowman. |
| $Am^{241}$ | Γ(Piss)/Γ | 4.0 6 | 6.2 6 | S | | AreaAnalysis | 3 | PR 137B 326 | Jan65 | LRL | Bowman. |
| $Am^{241}$ | Γ(Piss)σ(0)/Γ | 3.1 -1 | 1.3 0 | | | Crystal Spec | 3 | HW-59126 3 | 59 | HAN | Leonard. |
| $Am^{241}$ | gΓ(f)Γ(n,l=0)/Γ | -6.6 -1 | -6.6 -1 | | | Shape Analys | 1 | PR 137B 326 | Jan65 | LRL | Bowman. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Am^{241}$ | Γ | 3.1 -1 | 1.3 0 | | | Crystal Spec | 3 | HW-59126 3 | 59 | HAN | Leonard. |
| $Am^{241}$ | Γ | 3.1 -1 | 1.3 0 | | | Shape Analys | 3 | PR 137B 326 | Jan65 | LRL | Bowman. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Am^{241}$ | Resonance Energy | 1.7 0 | 4.4 0 | | | | 2 | 66PARIS/II-129 | Oct66 | KUR | Gerasimov. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Am^{241}$ | Strength Funct | 6.0 0 | 6.0 0 | | | TimeOfFlight | 1 | ORNL-2718 26 | 59 | ORL | Harvey,J.A.+ |
| $Am^{241}$ | Strength Funct | 2.0 1 | 2.0 1 | | | AreaAnalysis | 1 | ORNL-3085 42 | 61 | ORL | Slaughter. |
| $Am^{241}$ | Level Spacing | 6.0 0 | 6.0 0 | | | TimeOfFlight | 1 | ORNL-2718 26 | 59 | ORL | Harvey,J.A.+ |
| $Am^{241}$ | Level Spacing | 5.5 0 | 5.5 0 | | | AreaAnalysis | 1 | ORNL-3085 42 | 61 | ORL | Slaughter. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 79 530 | Aug50 | BRK | Street. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | | 1 | PR 81 893 | Mar51 | CR | Hanna. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 85 135 | Jan52 | BRK | Street. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Fission Det | 1 | PR 81 893 | Mar51 | CR | Hanna. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Fission Det | 1 | PR 81 893 | Mar51 | CR | Hanna. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 4 | | | Fission Det | 2 | PR 85 135 | Jan52 | BRK | Street. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Fission Det | 1 | PR 85 135 | Jan52 | BRK | Street. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}$(n,f) | Back-to-Back | 1 | PR 94 735 | May54 | BRK | Higgins. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Back-to-Back | 1 | PR 107 1294 | Sep57 | LRL | Hulet. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Back-to-Back | 1 | PR 107 1294 | Sep57 | LRL | Hulet. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION CROSS SECT (CONTINUED) | | | | | | | | | | |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Ion Chamber | 1 | WOLFSBERG 65J | Oct65 | LAS | Wolfsberg. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Ion Chamber | 1 | JNE 20 588 | Jul66 | LAS | Wolfsburg. |
| $Am^{242}$ | Sigma | 2.0 1 | 9.3 5 | | | TimeOfFlight | 1860 | HEMMENDINGER 66H | Aug66 | LAS | Seeger.+ |
| $Am^{242}$ | Sigma | 1.9 -2 | 2.8 3 | S | | SparkChamber | 1141 | 66PARIS/II-149 | Oct66 | LRL | Bowman. |
| $Am^{242}$ | Sigma | 3.6 3 | 6.5 6 | S | $Pu^{239}$ | SparkChamber | 51 | 66PARIS/II-149 | Oct66 | LRL | Bowman. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Au(n,\gamma)$ | | 1 | AE 23 316 | Oct67 | CCP | Bak,M.A.+ |
| $Am^{242}$ | Sigma | 1.9 -2 | 5.7 6 | | $Pu^{239}$ | SparkChamber | 1091 | PR 166 1219 | Feb68 | LRL | Bowman. |
| $Am^{242}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Au(n,\gamma)$ | | 1 | AE 23 316 | Oct67 | CCP | Bak,M.A.+ |
| $Am^{242}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | PR 166 1219 | Feb68 | LRL | Bowman. |
| | NU-BAR | | | | | | | | | | |
| $Am^{242}$ | Unspecified | 2.5 -2 | 2.5 -2 | | $Cf^{252}(Nu)$ | CrystalScint | 1 | UCRL-50001-66-1A | May66 | LRL | Fultz. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 81 893 | Mar51 | CR | Hanna. |
| $Am^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 85 135 | Jan52 | BRK | Street. |
| | n-WIDTH | | | | | | | | | | |
| $Am^{242}$ | $\Gamma(n)$ | 1.7 5 | 3.3 6 | | | Shape Analys | 6 | PR 166 1219 | Feb68 | LRL | Bowman. |
| $Am^{242}$ | $\Gamma(n,l=0)$ | 1.7 5 | 3.3 6 | | | Shape Analys | 6 | PR 166 1219 | Feb68 | LRL | Bowman. |
| | FISSION WIDTH | | | | | | | | | | |
| $Am^{242}$ | $\Gamma(Fiss)$ | 1.7 5 | 3.3 6 | | | Shape Analys | 6 | PR 166 1219 | Feb68 | LRL | Bowman. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Am^{242}$ | $\Gamma$ | 1.7 -1 | 3.3 6 | | | Shape Analys | 6 | PR 166 1219 | Feb68 | LRL | Bowman. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Am^{242}$ | $\sigma(0)$ | 1.7 5 | 3.3 6 | | | Shape Analys | 6 | PR 166 1219 | Feb68 | LRL | Bowman. |
| | $(n,\gamma)$ REACTION | | | | | | | | | | |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 79 530 | Aug50 | BRK | Street. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | N | | Activation | 1 | PR 79 530 | Aug50 | BRK | Street. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 581 | Jul54 | BRK | Harvey,B.G. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR/CM- 2 8 | May55 | CR | Butler. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 2 | PR/CM- 3 12 | Sep55 | CR | Butler. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | CJP 35 147 | Feb57 | CR | Butler. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Co^{59}$ | Mass Spec | 2 | CJP 35 147 | Feb57 | CR | Butler. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | Ratio | | 1 | JIN 26 219 | 64 | ANL | Vandenbosch. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 4 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Au(n,\gamma)$ | | 1 | AE 23 316 | Oct67 | CCP | Bak,M.A.+ |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | IN-1126 19(1) | Dec67 | MTR | Schuman. |
| $Am^{243}$ | Sigma | 3.0 5 | 4.0 6 | | Absolute | Fission Det * | 13 | NP A134 541 | Sep69 | BUC | Boca,I.+ |
| $Am^{243}$ | Sigma | 3.0 5 | 4.0 6 | | Ratio | Fission Det * | 13 | NP A134 541 | Sep69 | BUC | Boca,I.+ |
| $Am^{243}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 1 | PR/CM- 3 12 | Sep55 | CR | Butler. |
| $Am^{243}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Am^{243}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Co^{59}$ | Activation | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Am^{243}$ | Reson Integral | 5.0 -1 | 5.0 -1 | N | $Co^{59}$ | Mass Spec | 1 | CJP 35 147 | Feb57 | CR | Butler. |
| $Am^{243}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | $Au(n,\gamma)$ | | 1 | AE 23 316 | Oct67 | CCP | Bak,M.A.+ |
| $Am^{243}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | | 2 | IN-1126 19(1) | Dec67 | MTR | Schuman. |
| $Am^{243}$ | Reson Integral | 8.3 -1 | 8.3 -1 | | $Co^{59}$ | Activation | 1 | 68WASH-1279 | Mar68 | SRL | Folger. |
| | (n,2n) REACTION | | | | | | | | | | |
| $Am^{243}$ | Sigma | 1.4 7 | 1.4 7 | | | Activation | 1 | NP 63 173 | Mar65 | DUB | Linev,A.P.+ |
| $Am^{243}$ | Sigma | 8.0 6 | 1.4 7 | | | Accelerator | 11 | NP A 97 444 | Apr67 | DUB | Flerov. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | PR 85 135 | Jan52 | BRK | Street. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Back-to-Back | 1 | PR 107 1294 | Sep57 | LRL | Hulet. |
| $Am^{243}$ | Sigma | 3.0 5 | 1.7 6 | | $U^{235}(n,f)$ | Back-to-Back | 65 | PR 124 1129 | Nov61 | ANL | Butler,D.K.+ |
| $Am^{243}$ | Sigma | 1.0 6 | 1.5 7 | | $U^{238}(n,f)$ | Ion Chamber | 2 | YF 5 966 | May67 | CCP | Pomushkin. |
| $Am^{243}$ | Sigma | 1.5 7 | 1.5 7 | | $U^{238}(n,f)$ | Diff Sig Int | 1 | YF 5 966 | May67 | CCP | Pomushkin. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | PR 114 505 | Apr59 | ANL | Cote. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | 68WASH-1279 | Mar68 | SRL | Folger. |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| $Am^{243}$ | Reson Integral | 5.0 -1 | 5.0 -1 | | | TimeOfFlight | 1 | PR 114 505 | Apr59 | ANL | Cote. |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Am^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | | | TimeOfFlight | 1 | PR 114 505 | Apr59 | ANL | Cote. |
| $Am^{243}$ | Sigma | 1.4 -3 | 1.5 1 | | Absolute | TimeOfFlight | 200 | PR 114 505 | Apr59 | ANL | Cote. |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Am^{243}$ | $\Gamma(\gamma)$ | 9.8 -1 | 1.7 0 | | | AreaAnalysis | 3 | PR 114 505 | Apr59 | ANL | Cote. |
| | n-WIDTH | | | | | | | | | | |
| $Am^{243}$ | $\Gamma(n)$ | 1.1 -2 | 1.5 1 | | | AreaAnalysis | 12 | PR 114 505 | Apr59 | ANL | Cote. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Am^{243}$ | $\Gamma$ | 1.1 -2 | 1.5 1 | | | AreaAnalysis | 12 | PR 114 505 | Apr59 | ANL | Cote. |
| $Am^{243}$ | $\Gamma 2\sigma(0)$ | 1.4 0 | 1.4 0 | | | AreaAnalysis | 2 | PR 114 505 | Apr59 | ANL | Cote. |
| $Am^{243}$ | $\Gamma 2\sigma(0)$ | 1.4 0 | 1.4 0 | | | Shape Analys | 1 | PR 114 505 | Apr59 | ANL | Cote. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Am^{243}$ | $\sigma(0)$ | 1.1 -2 | 1.5 1 | | | AreaAnalysis | 12 | PR 114 505 | Apr59 | ANL | Cote. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Am^{243}$ | Strength Fn(l=0) | 7.5 0 | 7.5 0 | | | | 1 | PR 114 505 | Apr59 | ANL | Cote. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION CROSS SECT | | | | | | | | | | |
| $Am^{244}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{233}$ | Back-to-Back | 1 | JIN 23 187 | 61 | ANL | Vandenbosch. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | FISSION CROSS SECT | | | | | | | | | | |
| $Cm^{242}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Fission Det | 1 | PR 81 893 | Mar51 | CR | Hanna. |
| $Cm^{242}$ | Sigma | 1.5 7 | 1.5 7 | | $U^{238}(n,f)$ | Diff Sig Int | 1 | YF 5 966 | May67 | CCP | Pomushkin. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Cm^{243}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Back-to-Back | 1 | PR 107 1294 | Sep57 | LRL | Hulet. |
| | n-WIDTH | | | | | | | | | | |
| $Cm^{243}$ | $\Gamma(n,l=0)$ | 2.3 0 | 6.0 0 | | | | 6 | TAN 12 280 | Jun69 | MTR | Berreth. |
| | FISSION WIDTH | | | | | | | | | | |
| $Cm^{243}$ | $\Gamma$(Fiss) | 2.3 6 | 6.0 6 | | | | 8 | TAN 12 280 | Jun69 | MTR | Berreth. |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $Cm^{244}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 94 974 | May54 | ANL | Stevens. |
| $Cm^{244}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| $Cm^{244}$ | Reson Integral | 8.3 -1 | 8.3 -1 | | $Co^{59}$ | Burn-up | 1 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Cm^{244}$ | Sigma | 1.0 6 | 1.5 7 | | $U^{238}(n,f)$ | Ion Chamber | 2 | YF 5 966 | May67 | CCP | Pomushkin. |
| $Cm^{244}$ | Sigma | 1.0 6 | 1.5 7 | | $U^{238}(n,f)$ | Diff Sig Int | 2 | YF 5 966 | May67 | CCP | Pomushkin. |
| $Cm^{244}$ | Sigma | 2.3 1 | 1.4 3 | | $Li^{6}(n,a)$ | TimeOfFlight | 43 | 68WASH- 567 | Mar68 | LAS | Pullwood. |
| $Cm^{244}$ | Sigma | 1.0 6 | 1.5 7 | | $U^{235}(n,f)$ | Solidstate C | 4 | 68WASH- 597 | Mar68 | LAS | Koontz. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cm^{244}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | 68WASH-1279 | Mar68 | SRL | Polger. |
| $Cm^{244}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| | TOTAL CROSS-SECT | | | | | | | | | | |
| $Cm^{244}$ | Sigma | 4.3 0 | 7.8 2 | | Absolute | TimeOfFlight | 330 | PR 134B1281 | Jun64 | ANL | Cote. |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Cm^{244}$ | $\Gamma(\gamma)$ | 7.7 0 | 3.5 1 | | | AreaAnalysis | 3 | PR 134B1281 | Jun64 | ANL | Cote. |
| | n-WIDTH | | | | | | | | | | |
| $Cm^{244}$ | $\Gamma(n)$ | 7.7 0 | 2.7 2 | | | AreaAnalysis | 15 | PR 134B1281 | Jun64 | ANL | Cote. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Cm^{244}$ | $\Gamma$ | 7.7 0 | 3.5 1 | | | AreaAnalysis | 3 | PR 134B1281 | Jun64 | ANL | Cote. |
| | OTHER RESON PARAM | | | | | | | | | | |
| $Cm^{244}$ | Resonance Energy | 3.6 2 | 7.7 2 | | | AreaAnalysis | 6 | PR 134B1281 | Jun64 | ANL | Cote. |
| $Cm^{244}$ | $\sigma(0)$ | 7.7 0 | 3.5 1 | | | AreaAnalysis | 3 | PR 134B1281 | Jun64 | ANL | Cote. |
| | AVERAGED PARAM | | | | | | | | | | |
| $Cm^{244}$ | Strength Funct | 1.4 2 | 1.4 2 | | | AreaAnalysis | 1 | PR 134B1281 | Jun64 | ANL | Cote. |
| $Cm^{244}$ | Level Spacing | 5.0 1 | 5.0 1 | | | AreaAnalysis | 1 | PR 134B1281 | Jun64 | ANL | Cote. |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $Cm^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 94 974 | May54 | ANL | Stevens. |
| $Cm^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| $Cm^{245}$ | Reson Integral | 8.3 -1 | 8.3 -1 | | $Co^{59}$ | Activation | 1 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Cm^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Cm^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | N | $Pu^{239}$ | Back-to-Back | 1 | PR 107 1294 | Sep57 | LRL | Hulet. |
| $Cm^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| $Cm^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| $Cm^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Back-to-Back | 1 | JIN 30 2553 | Oct68 | ANL | Diamond. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cm^{245}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| | n-WIDTH | | | | | | | | | | |
| $Cm^{245}$ | $\Gamma(n,l=0)$ | 2.0 0 | 2.0 0 | | | | 1 | TAN 12 120 | Jun69 | MTR | Berreth. |
| $Cm^{245}$ | $\Gamma(n,l=0)$ | 4.7 0 | 9.2 0 | | | | 2 | TAN 12 280 | Jun69 | MTR | Berreth. |
| | FISSION WIDTH | | | | | | | | | | |
| $Cm^{245}$ | $\Gamma$(Fiss) | 2.0 6 | 9.2 6 | | | | 3 | TAN 12 280 | Jun69 | MTR | Berreth. |
| | (n,$\gamma$) REACTION | | | | | | | | | | |
| $Cm^{246}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 94 974 | May54 | ANL | Stevens. |
| $Cm^{246}$ | Rescn Integral | 8.3 -1 | 8.3 -1 | | $Co^{59}$ | Burn-up | 1 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cm^{246}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | $\gamma$-WIDTH | | | | | | | | | | |
| $Cm^{246}$ | $\Gamma(\gamma)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 134B1281 | Jun64 | ANL | Cote. |
| | n-WIDTH | | | | | | | | | | |
| $Cm^{246}$ | $\Gamma(n)$ | 2.7 1 | 8.4 1 | | | AreaAnalysis | 2 | PR 134B1281 | Jun64 | ANL | Cote. |
| $Cm^{246}$ | $\Gamma(n)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 134B1281 | Jun64 | ANL | Cote. |
| $Cm^{246}$ | $\Gamma(n,l=0)$ | 4.3 0 | 4.3 0 | | | | 1 | TAN 12 280 | Jun69 | MTR | Berreth. |
| | TOTAL WIDTH | | | | | | | | | | |
| $Cm^{246}$ | $\Gamma$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 134B1281 | Jun64 | ANL | Cote. |
| | OTHER RESCN PARAM | | | | | | | | | | |
| $Cm^{246}$ | Resonance Energy | 3.6 1 | 2.0 7 | | | | 2 | PR 134B1281 | Jun64 | ANL | Cote. |
| $Cm^{246}$ | $\sigma(0)$ | 4.3 0 | 4.3 0 | | | Shape Analys | 1 | PR 134B1281 | Jun64 | ANL | Cote. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AVERAGED PARAM | | | | | | | | | | |
| $Cm^{246}$ | Strength Funct | 4.2 1 | 4.2 1 | | | | 1 | PR 134B1281 | Jun64 | ANL | Cote. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cm^{247}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | 55GENEVA/ 7-261 | Aug55 | ANL | Bentley. |
| $Cm^{247}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Cm^{247}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| $Cm^{247}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| $Cm^{247}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Back-to-Back | 1 | JIN 30 2553 | Oct68 | ANL | Diamond. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cm^{247}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cm^{248}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 55GENEVA/ 7-261 | Aug55 | BRK | Bentley. |
| | NU-BAR | | | | | | | | | | |
| $Cm^{248}$ | Prompt+Delayed | 0.0 | 0.0 | | $Cf^{252}(Nu)$ | * | 1 | NSE 43 54 | Jan71 | LAS | Orth,C.J. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cm^{248}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cm^{249}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | ANL-7330 | May67 | ANL | Diamond. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cm^{250}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| | NU-BAR | | | | | | | | | | |
| $Cm^{250}$ | Prompt+Delayed | 0.0 | 0.0 | | $Cf^{252}(Nu)$ | * | 1 | NSE 43 54 | Jan71 | LAS | Orth,C.J. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cm^{251}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Cm^{251}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Bk^{249}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 96 1576 | Dec54 | ANL | Magnusson,L.B.+ |
| $Bk^{249}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | DP/MS/66-69 | Oct66 | SRL | Ice,C.H. |
| $Bk^{249}$ | Reson Integral | 5.5 -1 | 5.5 -1 | | $Co^{59}$ | Burn-up | 1 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Bk^{249}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 581 | Jul54 | BRK | Harvey,B.G. |
| $Bk^{249}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Bk^{250}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Back-to-Back | 1 | JIN 30 2553 | Oct68 | ANL | Diamond. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Cf^{249}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 581 | Jul54 | BRK | Harvey,B.G. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Cf^{249}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 581 | Jul54 | BRK | Harvey,B.G. |
| $Cf^{249}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{233}$ | Back-to-Back | 1 | JIN 27 33 | Jan65 | ANL | Metta,D.+ |
| $Cf^{249}$ | Sigma | 0.0 | 0.0 | | | | 1 | JIN 27 33 | Jan65 | ARG | Metta,D.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cf^{249}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 581 | Jul54 | BRK | Harvey,B.G. |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cf^{250}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 96 1576 | Dec54 | ANL | Magnusson,L.B.+ |
| $Cf^{250}$ | Reson Integral | 9.2 -1 | 9.2 -1 | | $Co^{59}$ | Burn-up | 1 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Cf^{250}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | JIN 27 33 | Jan65 | ANL | Metta,D.+ |
| | NU-BAR | | | | | | | | | | |
| $Cf^{250}$ | Prompt+Delayed | 0.0 | 0.0 | | $Cf^{252}$(Nu) | | * 1 | NSE 43 54 | Jan71 | LAS | Orth,C.J. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cf^{250}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | 68WASH-1279 | Mar68 | SRL | Polger. |
| $Cf^{250}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cf^{251}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Mass Spec | 1 | PR 96 1576 | Dec54 | MTR | Magnusson,L.B.+ |
| $Cf^{251}$ | Reson Integral | 9.2 -1 | 9.2 -1 | | $Co^{59}$ | Burn-up | 1 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $Cf^{251}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Pu^{239}$ | Back-to-Back | 1 | JIN 27 33 | Jan65 | ANL | Metta,D.+ |
| $Cf^{251}$ | Sigma | 0.0 | 0.0 | | | | 1 | JIN 27 33 | Jan65 | ARG | Metta,D.+ |
| $Cf^{251}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cf^{251}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | 68WASH-1279 | Mar68 | SRL | Polger. |
| $Cf^{251}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cf^{252}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 581 | Jul54 | BRK | Harvey,B.G. |
| $Cf^{252}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 96 1576 | Dec54 | ANL | Magnusson,L.B.+ |
| $Cf^{252}$ | Reson Integral | 9.2 -1 | 9.2 -1 | | $Co^{59}$ | Burn-up | 1 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | FISSION FRAGMENTS | | | | | | | | | | |
| $Cf^{252}$ | Yield | 0.0 | 0.0 | | | Mass Spec | 182 | CJP 41 2080 | 63 | CRC | Fraser,J.S.+ |
| | NU-BAR | | | | | | | | | | |
| $Cf^{252}$ | Prompt | 0.0 | 0.0 | | | | 1 | 61VIENNA/I-125 | Aug61 | ANL | Butler,D.+ |
| $Cf^{252}$ | Prompt | 0.0 | 0.0 | | Absolute | Scint Tank | * 1 | NSE 16 124 | May63 | FOA | Asplund-Nilsson,I.+ |
| $Cf^{252}$ | Prompt | 0.0 | 0.0 | | Absolute | | 1 | NP 48 443 | Oct63 | LAS | Hopkins,J.C.+ |
| $Cf^{252}$ | Prompt | 0.0 | 0.0 | | | | * 1 | JNE 20 549 | Jul66 | ALD | Fieldhouse,P.+ |
| $Cf^{252}$ | Prompt | 0.0 | 0.0 | | | | * 1 | JNE 22 73 | Feb68 | ALD | White,P.H.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | 1 | PR 97 242 | Jan55 | LRL | Crane,W.W.T.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | 1 | PR 97 727 | Feb55 | LRL | Crane,W.W.T.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | 1 | PR 98 521 | May55 | LRL | Hicks,D.A.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | 1 | PR 101 1012 | Feb56 | LAS | Diven. |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | 1 | PR 101 1016 | Feb56 | LRL | Hicks,D.A.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | 1 | PR 101 1804 | Mar56 | LRL | Crane,W.W.T.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | 1 | 58GENEVA/15-212 | Sep58 | LRL | Bowman,H.R.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | * 1 | JNE 15 102 | 61 | ALD | Moat,A.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | 1 | PR 126 197 | Apr62 | ANL | Meadows,J.W.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | Absolute | | * 1 | 65SALZB/II- 25 | Mar65 | HAR | Colvin,D.W.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | Absolute | | 1 | 66PARIS/I- 297 | Oct66 | ANL | De Volpi,A.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | | * 1 | 66PARIS/I- 307 | Oct66 | HAR | Colvin,D.W.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | Data in Comm | Coincidences | * 1 | AAEC/E- 172 | Mar67 | AUA | Boldeman,J.W.+ |
| $Cf^{252}$ | Unspecified | 0.0 | 0.0 | | | ManganesBath | 1 | EE VOLPI 69L | Dec69 | ANL | De Volpi. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cf^{252}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $Cf^{253}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | 68WASH-1285 | Mar68 | SRL | Smith,J.A.+ |
| | (n,γ) REACTION | | | | | | | | | | |
| $Cf^{254}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 581 | Jul54 | BRK | Harvey,B.G. |
| | NU-BAR | | | | | | | | | | |
| $Cf^{254}$ | Prompt+Delayed | 0.0 | 0.0 | | $Cf^{252}$(Nu) | | * 1 | NSE 43 54 | Jan71 | LAS | Orth,C.J. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $E^{253}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 581 | Jul54 | BRK | Harvey,B.G. |
| $E^{253}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR/CM- 2 6 | May55 | CR | |
| $E^{253}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | NP A 96 440 | Apr67 | ANL | Fields. |
| $E^{253}$ | Reson Integral | 5.5 -1 | 5.5 -1 | | $Co^{59}$ | Burn-up | 1 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | ABSORPTION X-SECT | | | | | | | | | | |
| $E^{253}$ | Sigma | 2.5 -2 | 2.5 -2 | | $Co^{59}$ | Activation | 2 | 68WASH-1279 | Mar68 | SRL | Polger. |
| | (n,γ) REACTION | | | | | | | | | | |
| $E^{254}$ | Sigma | 2.5 -2 | 2.5 -2 | | | Activation | 1 | PR 95 581 | Jul54 | BRK | Harvey,B.G. |
| | FISSION CROSS SECT | | | | | | | | | | |
| $E^{254}$ | Sigma | 2.5 -2 | 2.5 -2 | | $U^{235}(n,f)$ | Back-to-Back | 2 | JIN 30 2553 | Oct68 | ANL | Diamond. |

| Nucl | Quantity | Emin | Emax | S | Normalisation | Method | Data Pnts | Reference | Date | Lab | Author |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (n,γ) REACTION | | | | | | | | | | |
| $Fm^{256}$ | Sigma | 2.5 -2 | 2.5 -2 | | | | 1 | PR 98 1519 | Jun55 | BRK | Choppin. |