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A SOURCE LIST OF NUCLEAR DATA BIBLIOGRAPHIES, COMPILATIONS, AND EVALUATIONS

T.W. BURROWS AND N.E. HOLDEN

August 1977

INFORMATION ANALYSIS CENTER REPORT

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, NEW YORK 11973

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NATIONAL NUCLEAR DATA CENTER

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

UNDER CONTRACT NO. EY-76-C-02-0016 WITH THE
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INTRODUCTION

To aid the user of nuclear data, many specialized bibliographies, compilations, and evaluations have been published. This document attempts to bring together a list of such publications with an indication of their availability and cost. The index schema for this document is based on the Physics and Astronomy Classification Scheme-1977 (1).

An attempt has been made to cross reference as well as classify the various publications. To limit the size, those references which would occur under four or more headings have been restricted to a listing under one of the first three categories with explanatory notes. Similarly, almost every reference could be placed under one of these three categories. With the exception noted above, this has not been done.

Superseded references have been excluded, e.g. 'Radioactive Atoms-Supplement I' (2) is not listed having been superseded by 'Nuclear Decay Data for Selected Radionuclides' (3).

In producing this publication, use of Greek letters and super- and subscripts has been avoided. The Greek α , β , and γ are represented by alpha, beta and gamma respectively. Superscripts precede the symbol and are normally separated by a hyphen (e.g. ^2H would appear as 2-H). Subscripts follow the symbol and are not separated by a hyphen (e.g. H_2 would appear as H2 and E_γ as Egamma).

Information on ERDA depositories referenced in this document may be obtained from

Energy Research and Development Administration
Office of Technical Information
Washington, DC 20545

This document originated as an effort to provide the information to the Panel on Reference Nuclear Data whose members are primarily representatives of professional scientific societies in the U.S. Their suggestions for improving the usefulness have been incorporated in this report.

Many attempts have been made to compile similar lists in the past. A few of these publications are listed below as "Compilations of Compilations and Evaluations".

The cutoff date for this publication is June 1, 1977. The authors would appreciate any additions or omissions being brought to their attention.

Acknowledgments

The authors wish to gratefully acknowledge Alyce Daly for her careful proofreading and Marion Blennau and Sonja Santos for providing much of the information on costs and availability. We also thank the staff of the National Nuclear Data Center for their aid and cooperation during this project. We also acknowledge the many previous efforts which made this work much easier. A grateful acknowledgement is also due R. M. Lambrecht for bringing to our attention several references.

References

1. Physics and Astronomy Classification Scheme - 1977, Bull. Amer. Phys. Soc. 22 218-240 (1977).
2. Martin, M. J. "Radioactive Atoms-Supplement I," Oak Ridge Report ORNL-4923 (1973).
3. Martin, M. J. "Nuclear Decay Data for Selected Radionuclides" Oak Ridge Report ORNL-5114 (1976).

Compilations of Compilations and Evaluations

AUTHORS: Behrens, H., Ebel, G.
TITLE: Data Compilations in Physics
REFERENCE: Physik Daten 3-1 1976 (1976)
PUBLISHER: Zentralstelle für Atomkernenergie Dokumentation
7514 Eggenstein-Leopoldshafen
Kernforschungszentrum Karlsruhe,
Federal Republic of Germany

AUTHORS: Lorenz, A.
TITLE: Compilations and Evaluations of Nuclear Structure
and Decay Data
REFERENCE: INDC(NDS)-83
PUBLISHER: International Atomic Energy Agency
Karntnerring 11, A-1010 Vienna, Austria

AUTHORS: Ajzenberg-Selove, F.
TITLE: A Guide to Nuclear Compilations
REFERENCE: Nuclear Spectroscopy and Reactions, J. Cerny ed. Vol. C,
pg. 551 (1974)
PUBLISHER: Academic Press
111 5th Avenue
New York, NY 10003

AUTHORS: Gibbs, R. C., Way, K.
TITLE: A Directory to Nuclear Data Tabulations
REFERENCE: Nuclear Data Table (1958, 1959, 1960)
(Out of print)

AUTHORS: Way, K.
TITLE: New Atomic Tables in 1973, and Nuclear Tables in 1973
REFERENCE: At. Data Nucl. Data Tables 14 i-ii (1974)
PUBLISHER: Academic Press
111 5th Avenue
New York, NY 10003

AUTHORS: Way, K., Carver, K.
TITLE: Directory to Neutron Cross Section Data - December 1973
REFERENCE: At. Data Nucl. Data Tables 12 585-592 (1973)
PUBLISHER: Academic Press
111 5th Avenue
New York, NY 10003

AUTHORS: Chew, D. N. et al.
TITLE: List of Compilations in $\pi+p$, $\pi+n$, and $\pi+d$ Interactions - A
Compilation: Part I and Part II
REFERENCE: LBL-53, p. 1-213 (1973)
PUBLISHER: Technical Information Division
Lawrence Berkeley Laboratory
Berkeley, CA 94720

1. Handbooks, Dictionaries, Tables, and Data Compilations

TITLE: Handbook on Nuclear Activation Cross Sections
NOTE: See entries for individual articles below.

REFERENCE: Int. At. Energy Agency Technical Report Series 156 (1974)

PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria

AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Station
New York, NY 10016

COST: \$26.00

AUTHORS: Blachot, J., et al.

TITLE: Library of Nuclear Data Relating to Fission Products (Vers. 4)
NOTE: Fission yields and decay data

REFERENCE: CEA-N-1882

PUBLISHER: Centre AEN de Compilation de Donnees Neutroniques
B.P. No. 9, F-91190 Gif-sur-Yvette
France

AVAILABILITY: Brookhaven National Laboratory
National Nuclear Data Center
Upton, NY 11973

COST: Contact N.N.D.C. for details (1 magnetic tape).

AUTHORS: Cross Section Evaluation Working Group (Ed. by N.N.C.S.C.-B.N.L.)

TITLE: ENDF/B-IV (Evaluated Nuclear Data File). 4th Ed. (1974)
NOTE: Neutron cross sections, fission yields, and decay data

PUBLISHER: Brookhaven National Laboratory
National Neutron Cross Section Center
Upton, NY 11973

AVAILABILITY: Brookhaven National Laboratory
National Nuclear Data Center
Upton, NY 11973

COST: Limited distribution. Contact the N.N.D.C. for details.

AUTHORS: England, T.R., Schenter, R.E.

TITLE: ENDF/B-IV Fission-Product Files
NOTE: Fission yields, spec. avg. cross sections and decay data

REFERENCE: LA-6116-MS (ENDF-223) (1975)

PUBLISHER: Los Alamos Scientific Laboratory
P.O. Box 1663
Los Alamos, NM 87545

AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161

COST: \$4.00 (Printed Copy), \$2.25 (Microfiche)

AUTHORS: Heath, R.L.

TITLE: Table of the Isotopes
NOTE: Abundances, lifetimes, masses, principle modes of decay

REFERENCE: Handbook of Chemistry and Physics

PUBLISHER: Chemical Rubber Co.
18901 Cranwood Parkway
Cleveland, OH 44128

AVAILABILITY: Contact publisher or local bookstore for latest edition.

1. Handbooks, Dictionaries, Tables, and Data Compilations

AUTHORS: Holden, N.E., Walker, F.W.
TITLE: Chart of the Nuclides, 11th Ed. (1972)
NOTE: Fiss. ylds, therm. sigmas, res. integ., abund., and decay data
PUBLISHER: General Electric Co.
Schenectady, NY 12345
AVAILABILITY: Out of Print

AUTHORS: Holmes, J.A., et al.
TITLE: Tables of Thermonuclear Reaction Rate Data for Neutron-Induced Reactions on Heavy Nuclei
REFERENCE: At. Data Nucl. Data Tables 18(4), 305-412 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Keller, K.A., et al.
TITLE: Q-Values and Excitation Functions of Nuclear Reactions. Excitation Functions for Charged-Particle Induced Reactions
REFERENCE: Landholt-Bornstein, Group I, Vol. 5, Part B (1973)
PUBLISHER: Springer-Verlag KG
Heidelberger Pl 3, D-1000
Berlin 33, Federal Republic of Germany
AVAILABILITY: Springer-Verlag
175 Fifth Ave.
New York, NY 10010
COST: \$123.20

AUTHORS: Keller, K.A., et al.
TITLE: Q-Values and Excitation Functions of Nuclear Reactions. Est. of Unk. Excit. Funct. and Thick Target Yields for p, d, ^3He , and Alpha
REFERENCE: Landholt-Bornstein, Group I, Vol. 5, Part C (1974)
PUBLISHER: Springer-Verlag KG
Heidelberger Pl 3, D-1000
Berlin 33, Federal Republic of Germany
AVAILABILITY: Springer-Verlag
175 Fifth Ave.
New York, NY 10010
COST: \$70.40

AUTHORS: Kim, H.J., et al.
TITLE: Nuclear Cross Sections for Charged-Particle-Induced Reactions
NOTE: $Z = 3-5$ targets. $Z = 1-4$ projectiles.
REFERENCE: Nucl. Data A1(3/4), 203-389 (1965)
PUBLISHER: Academic Press
115 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.

1. Handbooks, Dictionaries, Tables, and Data Compilations

AUTHORS: Kim, H.J., et al.
TITLE: Nuclear Cross Sections for Charged-Particle-Induced Reactions
NOTE: Carbon targets. $Z \geq 1$ projectiles.
REFERENCE: Nucl. Data A2(1/2), 1-241 (1966)
PUBLISHER: Academic Press
115 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue

AUTHORS: Kim, H.J., et al.
TITLE: Nuclear Cross Sections for Charged-Particle-Induced Reactions
NOTE: N and O targets. $Z \geq 1$ projectiles.
REFERENCE: Nucl. Data A3(2), 123-285 (1967)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue

AUTHORS: Lederer, C.M., et al.
TITLE: Table of Isotopes, 6th Ed. (1967)
NOTE: Lev. schemes, reaction/decay data, abund., princ. modes prod
PUBLISHER: John Wiley and Sons, Inc.
605 Third Ave.
New York, NY 10016
AVAILABILITY: Same as Publisher
COST: \$12.25(hard) or \$8.25(paper)

AUTHORS: McGowan, F.K., et al.
TITLE: Nuclear Cross Sections for Charged-Particle Induced Reactions
Mn, Fe, Co
REFERENCE: ORNL-CPX-1 (1964)
PUBLISHER: Oak Ridge National Laboratory, Charged Particle Data Group
P.O. Box X
Oak Ridge, TN 37830
AVAILABILITY: Oak Ridge National Laboratory
P.O. Box X
Oak Ridge, TN 37830
COST: Free. Also at ERDA depositories. May be out of print.

AUTHORS: McGowan, F.K., et al.
TITLE: Nuclear Cross Sections for Charged-Particle Induced Reactions
Ni, Cu
REFERENCE: ORNL-CPX-2 (1964)
PUBLISHER: Oak Ridge National Laboratory, Charged Particle Data Group
P.O. Box X
Oak Ridge, TN 37830
AVAILABILITY: Oak Ridge National Laboratory
P.O. Box X
Oak Ridge, TN 37830
COST: Free. Also at ERDA depositories. May be out of print.

1. Handbooks, Dictionaries, Tables, and Data Compilations

- AUTHORS: Nuclear Data Group
TITLE: Nuclear Level Schemes A=45 through A=257 from the Nucl. Data Sheets
NOTE: Level schemes and reaction and decay data
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$23.50
- AUTHORS: Nuclear Data Project
TITLE: ENSDF (Evaluated Nuclear Structure Data File)
NOTE: Level schemes and reaction and decay data for A = 3 to 263
PUBLISHER: Oak Ridge National Laboratory, Nuclear Data Project
P.O. Box X
Oak Ridge, TN 37830
AVAILABILITY: Brookhaven National Laboratory
National Nuclear Data Center
Upton, NY 11973
COST: Contact the N.N.D.C. for details
- AUTHORS: Rose, P.F., Burrows, T.W.
TITLE: ENDF/B Fission Product Decay Data
NOTE: Fission yields, spec. avg. cross sections, and decay data
REFERENCE: BNL-NCS-50545 (ENDF-243) (1976)
PUBLISHER: Brookhaven National Laboratory
National Nuclear Data Center
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$11.75(Printed copy), \$3.00(Microfiche) per Vol. (2 volumes)
- AUTHORS: Schopper, H. (Editor)
TITLE: Group I: Nuclear Physics and Technology
NOTE: See other entries for specific volumes.
REFERENCE: Landholt-Bornstein
PUBLISHER: Springer-Verlag KG
Heidelberger Pl 3, D-1000
Berlin 33, Federal Republic of Germany
AVAILABILITY: Springer-Verlag
175 Fifth Ave.
New York, NY 10010
COST: See other entries for prices of specific volumes.
- AUTHORS: Selinov, J.P.
TITLE: Isotopes (3 vols.)
NOTE: Level schemes and decay data.
PUBLISHER: Izdatel'stvo Nauka
Podsosensky pereulok 21
Moscow K-62, USSR
AVAILABILITY: American Institute of Physics
335 East 45th St.
New York, NY

1. Handbooks, Dictionaries, Tables, and Data Compilations

AUTHORS: Seelman-Eggebert, W., et al.
TITLE: Nuklidkarte, 4th Ed. (1974)
NOTE: Fiss. yields, spec. avg. cross sect., abund., and decay data
PUBLISHER: Kernforschungszentrum Karlsruhe
Postfach 3640
D-7500 Karlsruhe, Federal Republic of Germany
AVAILABILITY: Gersbach U. Sohn,
8 Munchen 34, Barer Str. 32
Federal Republic of Germany

AUTHORS: Smith, D.B.
TITLE: Charged Particle Cross Sections. Neon to Chromium
REFERENCE: LA-2424 (1961)
PUBLISHER: Los Alamos Scientific Laboratory
Los Alamos, NM
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$2.50. May be out of print

AUTHORS: UKAEA Reactor Group, Winfrith Atomic Energy Establishment
TITLE: UKNDL (United Kingdom Nuclear Data Library) (1973)
NOTE: Neutron cross sections, fission yields, and decay data
PUBLISHER: UKAEA Reactor Group
Winfrith, Dorchester Dorset
England
AVAILABILITY: Brookhaven National Laboratory
National Nuclear Data Center
Upton, NY 11973
COST: Contact the NNDC for details and availability (4 magnetic tapes).

2. Surveys and Tutorial Papers; Resource Letters

AUTHORS: Marion, J.B., Young, F.C.
TITLE: Nuclear Reaction Analysis
PUBLISHER: John Wiley and Sons, Inc.
605 Third Ave.
New York, NY 10016
AVAILABILITY: Same as Publisher
COST: \$12.00

AUTHORS: Silvester, D.J.
TITLE: Accelerator Production of Medically Useful Radionuclides
REFERENCE: Radiopharmaceuticals and Labeled Compounds, Vol. I (1973); pp. 197-222
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Station
New York, NY 10016
COST: \$23.00

3. Bibliographies

TITLE: Chemical Abstracts
PUBLISHER: American Chemical Society
1155 Sixteenth St. N.W.
Washington, DC 20036
AVAILABILITY: Same as Publisher
COST: approx. \$3545/year.

TITLE: SPIN Tapes (Searchable Physics Information Notice)
NOTE: Computer-based.
PUBLISHER: Physics Information Division, American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Same as Publisher
COST: Contact publisher for formats and details

AUTHORS: Augenstein, K.H., et al.
TITLE: Survey Index of Pion-Nucleon Scattering Data
REFERENCE: Physik Daten 1-1 1975 (1975)
PUBLISHER: Zentralstelle fur Atomkernenergie-Dokumentation
D-7514 Eggenstein-Leopoldshafen
Federal Republic of Germany
AVAILABILITY: Same as Publisher

TITLE: Physics Abstracts of Science Abstracts
PUBLISHER: British Inst. Electr. Eng.
United Kingdom
AVAILABILITY: Fulfillment Manager, Inst. Elect. and Electronic Engineers
445 Hoes Lane
Piscataway, NJ 08854
COST: \$620/year.

AUTHORS: Burrows, T.W., Burt, J.S.
TITLE: The Bibliography of Integral Charged Particle Nuclear Data
REFERENCE: BNL-NCS-50640 (1977)
PUBLISHER: Brookhaven National Laboratory.
National Nuclear Data Center
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$7.50(Printed Copy), \$3.00(Microfiche)

TITLE: Nuclear Science Abstracts
PUBLISHER: Energy Research and Development Administration
Technical Information Center, P.O. Box 62
Oak Ridge, TN 37830
AVAILABILITY: Ceased publication

3. Bibliographies

TITLE: Recon System
NOTE: On-line bibliographic retrieval system.

PUBLISHER: Energy Research and Development Administration
Office of Technical Information
Washington, DC 20545

AVAILABILITY: Only available to ERDA contractors. Contact publisher for details.

AUTHORS: Ewbank, W.B., et al.

TITLE: Nuclear Structure References, 1969-1974

REFERENCE: Nucl. Data Sheets 16, Supplement (1975)

PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003

AVAILABILITY: Same as Publisher

COST: \$28.00

TITLE: CINDA 76/77. An Index to the Literature on Microscopic Neutron Data

NOTE: Computer Index to Neutron Data

PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria

AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Station
New York, NY 10016

COST: \$86.00 (2 Vols., 3 Supplements)

TITLE: INIS Atomindex (International Nuclear Information System)

PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria

AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Station
New York, NY 10016

COST: \$150.00/year (\$120.00 extra for airmail service)

TITLE: Science Citations

PUBLISHER: Institute for Scientific Information
325 Chestnut St.
Philadelphia, PA 19106

AVAILABILITY: Same as Publisher

COST: \$2850/year (combination)

TITLE: DIALOG Information Retrieval System

PUBLISHER: Lockheed Missiles and Space Co.
3251 Hanover St.
Palo Alto, CA 94304

AVAILABILITY: Same as Publisher

COST: approx. \$7.00 per Vol.

3. Bibliographies

AUTHORS: McGowan, F.K., Milner, W.T.
TITLE: Reaction List for Charged-Particle-Induced Nuclear Reactions
REFERENCE: Nucl. Data Tables A11(1), 1-126 (1972)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003

AVAILABILITY: Order Dept. of Publisher
COST: \$7.25 (\$20.00 for 4-issue set covering 1972-1975)

AUTHORS: McGowan, F.K., Milner, W.T.
TITLE: Reaction List for Charged-Particle-Induced Nuclear Reactions
REFERENCE: At. Data Nucl. Data Tables 12(6), 499-583 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003

AVAILABILITY: Order Dept. of Publisher
COST: \$7.25 (\$20.00 for 4-issue set covering 1972-1975)

AUTHORS: McGowan, F.K., Milner, W.T.
TITLE: Charged-Particle Reaction List 1948-1971
REFERENCE: Atomic and Nuclear Data Reprints 2 (1974)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003

AVAILABILITY: Order Dept. of Publisher
COST: \$18.00

AUTHORS: McGowan, F.K., Milner, W.T.
TITLE: Reaction List for Charged-Particle-Induced Nuclear Reactions
REFERENCE: At. Data Nucl. Data Tables 15(3), 189-303 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003

AVAILABILITY: Order Dept. of Publisher
COST: \$7.25 (\$20.00 for 4-issue set covering 1972-1975)

AUTHORS: McGowan, F.K., Milner, W.T.
TITLE: Reaction List for Charged-Particle-Induced Nuclear Reactions
REFERENCE: At. Data Nucl. Data Tables 18(1), 1-136 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003

AVAILABILITY: Order Dept. of Publisher
COST: \$7.25 (\$20.00 for 4-issue set covering 1972-1975)

TITLE: Scientific and Technical Aerospace Reports
PUBLISHER: National Aeronautics and Space Administration
AVAILABILITY: NASA Scientific and Technical Facility
P.O. Box 8757
BWI Airport, MD 21240

3. Bibliographies

AUTHORS: Nuclear Data Project
TITLE: Recent References in Nuclear Data Sheets
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
approx. 3 issues/year. Last issue/year is yearly cumulative
beginning in 1977.
COST: approx. \$90.00/year.

TITLE: ORBIT Search Service
PUBLISHER: System Development Corp.
2500 Colorado Ave.
Santa Monica, CA 90406
AVAILABILITY: Same as Publisher
COST: approx. \$5.00 per Vol.

TITLE: High Energy Abstracts
PUBLISHER: Zentralstelle fur Atomkernenergie-Dokumentation
Kernforschungszentrum, D-7514 Eggenstein-Leopoldshafen
Federal Republic of Germany
AVAILABILITY: Same as Publisher
COST: \$83.25/year

4. Determination of Fundamental Constants

AUTHORS: Cohen, E.R.
TITLE: The 1973 Table of the Fundamental Constants
REFERENCE: At. Data Nucl. Data Tables 18(6), 587-594 (1976)
PUBLISHER: Academic Press
111 Fifth Avenue
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

5. Complex Angular Momentum; Regge Formalism

AUTHORS: Nagels, M.M.
TITLE: Compilation of Coupling Constants and Low-Energy Parameters
1976 Edition
REFERENCE: Physik Daten 4-1 1976 (1976)
PUBLISHER: Zentralstelle fur Atomkernenergie-Dokumentation
D-7514 Eggenstein-Leopoldshafen
Federal Republic of Germany
AVAILABILITY: Same as Publisher
Reprinted from Nucl. Phys. B109, 1-90 (1976)

6. Baryons and Baryon Resonances

AUTHORS: Particle Data Group
TITLE: Review of Particle Properties
REFERENCE: Rev. Mod. Phys. 48, S1-S246 (1976)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Reprints Dept. of Publisher (Reprint # 61)
COST: \$5.50

7. Mesons and Meson Resonances

AUTHORS: Particle Data Group
TITLE: Review of Particle Properties
REFERENCE: Rev. Mod. Phys. 48, S1-S246 (1976)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Reprints Dept. of Publisher (Reprint #61)
COST: \$5.50

8. General and Average Properties of Nuclei; Properties of Nuclear Energy Levels

AUTHORS: Ajzenberg-Selove, F., Busch, C.L.
TITLE: Nuclear Wallet Cards
NOTE: Ground-state level properties.
PUBLISHER: Partially supported by NSF Grant 28027
AVAILABILITY: Authors, Dept. of Physics
University of Pennsylvania
Philadelphia, PA 19174
COST: Free

AUTHORS: Chatterjee, A., et al.
TITLE: Tables of Nuclear Level Density Parameters
REFERENCE: INDC(IND)-20 (1976)
AVAILABILITY: Nuclear Data Section, International Atomic Energy Agency
P.O. Box 590, Karntnerring 11
A-1011 Vienna, Austria

AUTHORS: Perey, C.M., Perey, F.G.
TITLE: Compilation of Phenomenological Optical-Model Parameters, 1954-1975
REFERENCE: At. Data Nucl. Data Tables 17(1), 1-101 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

9. Binding Energy and Masses

AUTHORS: Bauer, M.
TITLE: 1975 Mass Predictions: An Ab-Initio Shell-Model Formula
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 442-449 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Beiner, M., et al.
TITLE: 1975 Mass Predictions: Masses of Spherical Nuclei from the
Energy-Density Model
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 450-454 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Comay, E., Kelson, I.
TITLE: 1975 Mass Predictions: Ensemble Averaging of Mass Values
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 463-466 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Gove, N.B., Wapstra, A.H.
TITLE: The 1971 Atomic Mass Evaluation. Pt. 5
REFERENCE: Nucl. Data Tables A11(2/3), 127-280 (1972)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: v. Groote, H., et al.
TITLE: 1975 Mass Predictions: A New Semiempirical Shell Correction to the
Droplet Model (Gross Theory of Nuclear Magics)
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 418-427 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Howerton, R.J.
TITLE: Thresholds of Nuclear Reactions Induced by Neutrons, Photons,
Protons, Deuterons, Tritons, and Alpha Particles
REFERENCE: UCRL-50400, Vol. 9, (1970)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$3.00 (Printed Copy), \$.35 (Microfiche)

9. Binding Energy and Masses

AUTHORS: Janecke, J.
TITLE: 1975 Mass Predictions: Updated Mass Predictions from the Garvey-Kelsey Mass Relations
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 455-462 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Janecke, J., Eynon, B.P.
TITLE: 1975 Mass Predictions: Masses from Inhomogeneous Partial Difference Equations
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 467-473 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Keller, K.A., et al.
TITLE: Q-Values and Excitation Functions of Nuclear Reactions. Q-Values
REFERENCE: Landholt-Bornstein, Group I, Vol. 5, Part A (1973)
PUBLISHER: Springer-Verlag KG
Heidelberger Pl 3, D-1000
Berlin 33, Federal Republic of Germany
AVAILABILITY: Springer-Verlag
175 Fifth Ave.
New York, NY 10010
COST: \$158.40

AUTHORS: Liran, S., Zeldes, N.
TITLE: 1975 Mass Predictions: A Semiempirical Shell-Model Formula
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 431-441 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Maripuu, S. (Special Editor)
TITLE: 1975 Mass Predictions
NOTE: Papers noted in this section. Also table of mass predictions
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 411-608 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

9. Binding Energy and Masses

AUTHORS: Maripuu, S., Way, K.
TITLE: 1975 Mass Predictions, Introduction
REFERENCE: At. Data Nucl. Data Tables 17(5/6), i-ii (1976), Erratum 18,595 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Myers, W.D.
TITLE: 1975 Mass Predictions: Development of the Semiempirical Droplet Model
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 411-417 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Seeger, P.A., Howard, W.M.
TITLE: 1975 Mass Predictions: A Semiempirical Liquid-Drop Plus Shell-Correction Formula
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 428-430 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Viola, V.E. Jr., et al.
TITLE: A Mass Table for $50 \leq Z \leq 118$, $130 \leq A \leq 311$
Derived from Nuclear Energy Systematics
REFERENCE: At. Data Nucl. Data Tables 13(1), 35-65 (1974)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Wapstra, A.H., Gove, N.B.
TITLE: The 1971 Atomic Evaluation, Parts 1-4
REFERENCE: Nucl. Data Tables A9(4/5), 265-468 (1971)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)

9. Binding Energy and Masses

AUTHORS: Wapstra, A.H., Bos, K.
TITLE: 1975 Mass Predictions: A 1975 Midstream Atomic Mass Evaluation
REFERENCE: At. Data Nucl. Data Tables 17(5/6), 474-475 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

10. Spin, Parity, and Isobaric Spin

AUTHORS: Fuller, G.H.
TITLE: Nuclear Spins and Moments
REFERENCE: J. Phys. Chem. Reference Data 5(4), 835-1092 (1976)
PUBLISHER: American Chemical Society
1155 Sixteenth St. N.W.
Washington, DC 20036
AVAILABILITY: Subscription Service Dept. of publisher (Reprint #85)
COST: \$11.50

11. Spectroscopic Factors

AUTHORS: Endt, P.M.
TITLE: Spectroscopic Factors for Single Nucleon Transfer in the $A = 21-44$ Region
REFERENCE: At. Data Nucl. Data Tables 19(1), 23-61 (1977)
PUBLISHER: Academic Press
111 Fifth Avenue
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

12. Electromagnetic Moments

AUTHORS: Christy, A., Hausser, O.
TITLE: Quadrupole Moments of Nuclear Excited States Measured by the Reorientation Effect in Coulomb Excitation
REFERENCE: Nucl. Data Tables A11(2/3), 281-298 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

12. Electromagnetic Moments

AUTHORS: Fuller, G.H.
TITLE: Nuclear Spins and Moments
REFERENCE: J. Phys. Chem. Reference Data 5(4), 835-1092 (1976)
PUBLISHER: American Chemical Society
1155 Sixteenth St. N.W.
Washington, DC 20036
AVAILABILITY: Subscription Service Dept. of publisher (Reprint #85)
COST: \$11.50

AUTHORS: Lobner, K.E.G., et al.
TITLE: Nuclear Intrinsic Quadrupole Moments and Deformation Parameters
REFERENCE: Nucl. Data Tables A7(5), 495-564 (1970)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)

AUTHORS: Shirley, V.S., Lederer, C.M.
TITLE: Table of Nuclear Moments
REFERENCE: LBL-3450 (1974)
PUBLISHER: Lawrence Berkeley Laboratory
Berkeley, CA 94720
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161

AUTHORS: Stevens, J.G., Dunlap, B.D.
TITLE: Nuclear Moments and Moment Ratios as Determined by Mossbauer Spectroscopy
REFERENCE: J. Phys. Chem. Reference Data 5(4), 1093-1121 (1976)
PUBLISHER: American Chemical Society
1155 Sixteenth St. N.W.
Washington, DC 20036
AVAILABILITY: Subscription Service Dept. of publisher (Reprint #86)
COST: \$4.00

13. Collective Structure in Levels (including Rotational Bands)

AUTHORS: Lobner, K.E.G., et al.
TITLE: Nuclear Intrinsic Quadrupole Moments and Deformation Parameters
REFERENCE: Nucl. Data Tables A7(5), 495-564 (1970)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)

13. Collective Structure in Levels (including Rotational Bands)

AUTHORS: Sakai, M.
TITLE: Quasi-ground, Quasi-beta, and Quasi-gamma Bands - 1974
REFERENCE: At. Data Nucl. Data Tables 15(6), 513-542 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Sayer, R.O., et al.
TITLE: Rotational and Quasiroational Bands in Even-Even Nuclei
REFERENCE: At. Data Nucl. Data Tables 15(1), 85-110 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

14. Nuclear Decay and Radioactivity

AUTHORS: Dillman, L.T., von der Lage, F.C.
TITLE: Radionuclide Decay Schemes and Nuclear Parameters for Use in
Radiation Dose Estimates
REFERENCE: MIRD Pamphlet #10 (1975); 125 pp.
PUBLISHER: Society of Nuclear Medicine
305 East 45th St.
New York, NY 10017
AVAILABILITY: Medical Internal Radiation Dose Committee
404 Church Ave., Suite 15
Maryville, TN 37801
COST: \$8.75(with binder), \$6.50(without binder)

AUTHORS: Légrand, J., et al.
TITLE: Table de Radionucléides
PUBLISHER: Centre d'Etudes Nucleaires de Saclay
91 Gif-sur-Yvette
France 91190

AUTHORS: Martin, M.J., Blichert-Toft, P.H.
TITLE: Radioactive Atoms. Auger-Electron, Alpha-, Beta-, Gamma-, and
X-Ray Data.
REFERENCE: Nucl. Data Tables A8(1/2), 1-198 (1970)
PUBLISHER: Academic Press
111 Fifth Ave,
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue).

14. Nuclear Decay and Radioactivity

AUTHORS: Martin, M.J.
TITLE: Nuclear Decay Data for Selected Radionuclides
REFERENCE: ORNL-5114 (1976)
PUBLISHER: Oak Ridge National Laboratory
P.O. Box X
Oak Ridge, TN 37830
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$5.50 (Printed Copy), \$2.25 (Microfiche)

15. Electromagnetic Transitions (See also Gamma Transitions and Level Energies)

AUTHORS: Aldushchenkov, A.V., Voinova, N.A.
TITLE: EO Transitions in Atomic Nuclei
REFERENCE: Nucl. Data Tables A11(2/3), 299-325 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Andrejtscheff, W., Schilling, K.D.
TITLE: Gamma-Ray Transition Probabilities in Deformed Nuclei
REFERENCE: At. Data Nucl. Data Tables 16(6), 515-579 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Endt, P.M., van der Leun, C.
TITLE: Strengths of Gamma-ray Transitions between Bound States
of $A = 21-44$ Nuclei
REFERENCE: At. Data Nucl. Data Tables 13(1), 67-88 (1974)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Haustein, P.E., et al.
TITLE: A Tabulation of Gamma-Gamma Directional Correlation Coefficients
for States of High Angular Momenta
REFERENCE: Nucl. Data Tables A10(4/5), 321-467 (1972)
PUBLISHER: Academic Press
115 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

15. Electromagnetic Transitions (See also Gamma Transitions and Level Energies)

AUTHORS: Skorka, S.J., et al.
TITLE: Compilation of Electromagnetic Transition Rates in Light Nuclei
REFERENCE: Nucl. Data A2(4), 347-401 (1966)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.

16. Lifetimes and Transition Probabilities

AUTHORS: Andrejtscheff, W., Schilling, K.D.
TITLE: Gamma-Ray Transition Probabilities in Deformed Nuclei
REFERENCE: At. Data Nucl. Data Tables 16(6), 515-579 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Berlovich, Eh. E., et al.
TITLE: Table of Lifetimes of Nuclear Levels
REFERENCE: INDC(CCP)-89 (1976)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: Nuclear Data Section
IAEA P.O.B. 590, Karntnerring 11
1011 Vienna, Austria
COST: Free

AUTHORS: Kripic, D.K., et al.
TITLE: E2 Transition Probabilities between Nilsson States in Odd-A Nuclei
REFERENCE: At. Data Nucl. Data Tables 18(6), 509-519 (1976)
PUBLISHER: Academic Press
111 Fifth Avenue
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Large, N.R., Bullock, R.J.
TITLE: Table of Radioactive Nuclides Arranged in Ascending Order
of Half-Life
REFERENCE: Nucl. Data Tables A7(5), 477-494 (1970)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)

17. Multipole Mixing Ratios

AUTHORS: Krane, K.S.
TITLE: E2, M1 Multipole Mixing Ratios in Odd-Mass Nuclei, $A > 150$
REFERENCE: At. Data Nucl. Data Tables 18(2), 137-203 (1976)
PUBLISHER: Academic Press
111 Fifth Avenue
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

18. Gamma Transitions and Level Energies (See also Electromagnetic Transitions)

AUTHORS: Bartholomew, G.A., et al.
TITLE: Compendium of Thermal-Neutron-Capture Gamma-Ray Measurements,
Part 1
REFERENCE: Nucl. Data A3(4/6), 367-650 (1967)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.

AUTHORS: Groshev, L.V., et al.
TITLE: Compendium of Thermal-Neutron-Capture Gamma-Ray Measurements,
Part 2, 3
REFERENCE: Nucl. Data Tables A5(1/2,3), 1-431 (1968)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Bird, J.R., et al.
TITLE: Compilation of keV-Neutron-Capture Gamma-Ray Spectra
REFERENCE: Nucl. Data Tables A11(6), 433-529 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Bowman, W.W., MacMurdo, K.W.
TITLE: Radioactive-Decay Gammas Ordered by Energy and Nuclide
REFERENCE: At. Data Nucl. Data Tables 13(2/3), 89-292 (1974)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

18. Gamma Transitions and Level Energies (See also Electromagnetic Transitions)

- AUTHORS: Erdtmann, G., Soyka, W.
TITLE: The Gamma-Ray Lines of Radionuclides
REFERENCE: JUL-1003-AC (1973)
PUBLISHER: KFA
Juelich, Germany
AVAILABILITY: National Technical Information Service (U. S. Sales Only)
5285 Port Royal Road
Springfield, VA 22161
COST: \$53.00 per volume(3 volumes)
- AUTHORS: Erdtmann, G., Soyka, W.
TITLE: The Gamma-Ray Lines of Radionuclides, Ordered by Atomic
and Mass Number. Pt. 1
REFERENCE: J. Radioanal. Chem. 26, 375-495 (1975)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Erdtmann, G., Soyka, W.
TITLE: The Gamma-Ray Lines of Radionuclides, Ordered by Atomic
and Mass Number. Pt. 2
REFERENCE: J. Radioanal. Chem. 27, 137-286 (1975)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Filby, R.H., et al.
TITLE: Gamma-Ray Energy Tables for Neutron Activation Analysis
REFERENCE: WSUNRC-97(2) (1970)
PUBLISHER: Washington State Univ.
Pullman Nuclear Radiation Center
Pullman, WA 99163
AVAILABILITY: Same as Publisher
- AUTHORS: Heath, R.L.
TITLE: Gamma-Ray Spectrum Catalogue. Vol. 2
REFERENCE: ANCR-1000-2, Ed. 3 (1975)
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$25.00

18. Gamma Transitions and Level Energies (See also Electromagnetic Transitions)

AUTHORS: Lis, S.A., et al.
TITLE: Gamma-Ray Tables for Neutron, Fast-Neutron and Photon Activation Analysis. Part 1
REFERENCE: J. Radioanal. Chem. 24(1), 125-251 (1975)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Lis, S.A., et al.
TITLE: Gamma-Ray Tables for Neutron, Fast-Neutron and Photon Activation Analysis. Part 2
REFERENCE: J. Radioanal. Chem. 25(2), 303-428 (1975)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Marion, J.B.
TITLE: Gamma-Ray Calibration Energies
REFERENCE: Nucl. Data A4(3), 301-319 (1968)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$4.00/issue.

AUTHORS: de Meijer, R.J., et al.
TITLE: Tables for Reaction Gamma-Ray Spectroscopy, Part I
REFERENCE: At. Data Nucl. Data Tables 13(1), 1-33 (1974) Erratum 14, 89 (1974)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: de Meijer, R.J., et al.
TITLE: Tables for Reaction Gamma-Ray Spectroscopy, Part II
REFERENCE: At. Data Nucl. Data Tables 15(5), 391-442 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

18. Gamma Transitions and Level Energies (See also Electromagnetic Transitions)

- AUTHORS: de Meijer, R.J., Drentje, A.G.
TITLE: Tables for Reaction Gamma Ray Spectroscopy, Part III
REFERENCE: At. Data Nucl. Data Tables 17(3), 211-269 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Meixner, Chr.
TITLE: Gamma Energies
REFERENCE: JUL-1087-Rx, Vols. I and II (1976)
PUBLISHER: KFA
Juelich, Germany
AVAILABILITY: Nuclear Data Section, International Atomic Energy Agency
P.O. Box 590, Karntnerring 11
A-1011 Vienna, Austria
- AUTHORS: Prokofjev, P., et al.
TITLE: Spectra of Electromagnetic Transitions and Level Schemes following
Thermal Neutron Capture by Nuclides with A=143-193 (1973)
PUBLISHER: Zinatne, Izdevnieciba
Turgeneva iela 19, Riga
Latvia, USSR
- AUTHORS: Wakat, M.A.
TITLE: Catalogue of Gamma-Rays Emitted by Radionuclides
REFERENCE: Nucl. Data Tables A8(5/6), 445-666 (1971)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)
- AUTHORS: Warburton, E.K., et al.
TITLE: Gamma Rays from Fusion-Evaporation Reactions in $32 < A < 46$ Nuclei
REFERENCE: At. Data Nucl. Data Tables 14(2), 147-160 (1974)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

19. Internal Conversion and Extranuclear Effects

- AUTHORS: Band, I.M., et al.
TITLE: Internal Conversion Coefficients of Gamma-Rays for Atomic Numbers $Z \leq 30$
REFERENCE: AN SSSR, Leningrad, Inst. Yadernoj Fiziki 235 (1976)
PUBLISHER: Atomizdat
Ul Zdanova 5-7
Moscow K-45, USSR
AVAILABILITY: American Institute of Physics
335 East 45th St.
New York, NY 10017
- AUTHORS: Band, I.M., et al.
TITLE: Internal Conversion Coefficients for Atomic Number $Z \leq 30$
REFERENCE: At. Data Nucl. Data Tables 18(5), 433-458 (1976)
PUBLISHER: Academic Press
111 Fifth Avenue
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Dragoun O., et al.
TITLE: Tables of Internal Conversion Coefficients for N-Subshell Electrons $Z = 60$ to $Z = 100$ ($E_{\gamma} \leq 500$ keV)
REFERENCE: Atomic and Nuclear Data Reprints 1, 245-328 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$15.00
- AUTHORS: Dragoun O., et al.
TITLE: Contributions of Outer Atomic Shells to Total Internal Conversion Coefficients. $Z = 37$ to $Z = 100$ ($E_{\gamma} \leq 500$ keV)
REFERENCE: Atomic and Nuclear Data Reprints 1, 329-346 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$15.00
- AUTHORS: Ewbank, W.B.
TITLE: Appendix A. Corrected Values for $Z = 93$ L-Shell
NOTE: Corrections to Hager-Seltzer Table.
REFERENCE: Atomic and Nuclear Data Reprints 1, 236-237 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$15.00

19. Internal Conversion and Extranuclear Effects

AUTHORS: Ewbank, W.B.
TITLE: Appendix B. L-Subshell Ratios from Hager and Seltzer. L1/L2 and L2/L3. $E_{\gamma} \leq 500$ keV. $Z = 30$ to $Z = 100$ in steps of 5.
REFERENCE: Atomic and Nuclear Data Reprints 1, 238-243 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$15.00

AUTHORS: Hager, R.S., Seltzer, E.C.
TITLE: Internal Conversion Tables. K-,L-,M-Shell Conversion Coefficients for $Z = 30$ to $Z = 103$ ($E_{\gamma} \leq 1500$ keV)
REFERENCE: Atomic and Nuclear Data Reprints 1, 1-235 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$15.00

AUTHORS: Trusov, V.F.
TITLE: Internal Conversion Coefficients for High-Energy Transitions
REFERENCE: Atomic and Nuclear Data Reprints 1, 347-380 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$15.00

AUTHORS: Way, K. (Editor)
TITLE: Internal Conversion Coefficients for Multipolarities $E1, \dots, E4, M1, \dots, M4$
REFERENCE: Atomic and Nuclear Data Reprints 1 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$15.00

20. Beta Decay; Electron and Muon Capture (See also Nuclear Decay and Radioactivity)

AUTHORS: Azuelos, G., Kitching, J.E.
TITLE: The Probability of Positron Annihilation-in-Flight for Allowed Beta Decay
REFERENCE: At. Data Nucl. Data Tables 17(2), 103-105 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

20. Beta Decay: Electron and Muon Capture (See also Nuclear Decay and Radioactivity)

AUTHORS: Bambynek, W., et al.
TITLE: Orbital Electron Capture by the Nucleus
REFERENCE: Rev. Mod. Phys. 49, 77-221 (1977)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Reprint Dept. of Publisher (Reprint #75)
COST: \$4.75

AUTHORS: Behrens, H., Janecke, J.
TITLE: Numerical Tables for Beta-Decay and Electron Capture
REFERENCE: Landolt-Bornstein, Group I, Vol. 4 (1969)
PUBLISHER: Springer-Verlag KG
Heidelberger Pl 3, D-1000
Berlin 33, Federal Republic of Germany
AVAILABILITY: Springer-Verlag
175 Fifth Ave.
New York, NY 10010

AUTHORS: Behrens, H., Szybisz, L.
TITLE: Shapes of Beta Spectra
REFERENCE: Physik Daten 6-1 1976 (1976)
PUBLISHER: Zentralstelle fur Atomkernenergie-Dokumentation
Kernforschungszentrum, D-7514 Eggenstein-Leopoldshafen
Federal Republic of Germany
AVAILABILITY: Same as Publisher

AUTHORS: Hogan, O.L.
TITLE: Beta Spectra II. Spectra of Individual Negatron Emitters
REFERENCE: USNRDL-TR-802 (1964)
PUBLISHER: U.S. Naval Radiological Defense Laboratory
San Francisco, CA
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$6.00 (Photocopy); also available as micronegative

AUTHORS: Hogan, O.L.
TITLE: Beta Spectra V. Spectra of Individual Positron Emitters
REFERENCE: USNRDL-TR-1101 (1966)
PUBLISHER: U.S. Naval Radiological Defense Laboratory
San Francisco, CA
AVAILABILITY: Unclassified

AUTHORS: Mantel, J.
TITLE: The Beta Ray Spectrum and the Average Beta Energy of Several
Isotopes of Interest in Medicine and Biology
REFERENCE: Int. J. Appl. Radiat. Isot. 23, 407-413 (1972)
PUBLISHER: Pergamon Press Ltd.
Headington Hill Hall
Oxford OX3 0BW, United Kingdom
AVAILABILITY: Pergamon Press
Maxwell House, Fairview Park
New York, NY 10523

20. Beta Decay: Electron and Muon Capture (See also Nuclear Decay and Radioactivity)

AUTHORS: Raman, S., et al.
TITLE: Superaligned $0^+ \rightarrow 0^+$ and Isospin Forbidden $J(\pi) \rightarrow J(\pi)$ Fermi Transitions
REFERENCE: At. Data Nucl. Data Tables 16(5), 451-494 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

21. Alpha Decay (See also Nuclear Decay and Radioactivity)

AUTHORS: Gauvin, H., et al.
TITLE: Characteristics of Alpha Activities for Neutron Deficient Nuclei with $65 \leq Z \leq 91$
REFERENCE: Ann. Phys. 9, 241-270 (1975)
PUBLISHER: Masson Publ., Inc.
120 bd St-Germain, 75280 Paris Cedex 06.
France
AVAILABILITY: Masson Publ., Inc.
14 East 60th St.
New York, NY 10022
COST: 400 French francs

AUTHORS: Post, J.C.
TITLE: Table of Alpha-Emitting Nuclides According to Alpha-Energy
REFERENCE: Actinides Rev. 1(1), 55-69 (1967)
PUBLISHER: Elsevier Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: Ceased publication

AUTHORS: Rytz, A.
TITLE: Catalogue of Recommended Alpha Energy and Intensity Values
REFERENCE: At. Data Nucl. Data Tables 12(5), 479-498 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

22. Other Topics in Nuclear Decay and Radioactivity (See also Nuclear Decay)

AUTHORS: Hardy, J.C.
TITLE: Delayed Proton and Alpha Precursors
REFERENCE: Nucl. Data Tables A11(4), 327-349 (1972)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Kantele, J., Tannila, O.
TITLE: Isomeric States Listed According to Increasing Half-life
REFERENCE: Nucl. Data A4(4), 359-395 (1968)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$4.00/issue.

AUTHORS: Singru, R.M., et al.
TITLE: Positron-Annihilation Tables
NOTE: Positron-Angular Correlation and -Lifetime Data Tables
REFERENCE: At. Data Nucl. Data Tables 17(4), 271-409 (1974)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Tomlinson, L.
TITLE: Delayed Neutron Precursors
REFERENCE: At. Data Nucl. Data Tables 12(2), 179-194 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same As Publisher
COST: Not available. Contact publisher for reprint price & availability.

23. General Properties of Fission

AUTHORS: Britt, H.C.
TITLE: Properties of Fission Isomers
REFERENCE: At. Data Nucl. Data Tables 12(5), 404-414 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

24. Nuclear Reactions and Scattering involving Few Nucleon Systems

AUTHORS: Horsley, A.
TITLE: Neutron Cross Sections of Hydrogen in Energy Range 0.0001 eV to 20 MeV
REFERENCE: Nucl. Data A2(3), 243-262 (1966)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.

AUTHORS: Horsley, A.
TITLE: Neutron Cross Sections of Deuterium in Energy Range 0.0001 eV to 20 MeV
REFERENCE: Nucl. Data A4(4), 321-357 (1968)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$4.00/issue.

AUTHORS: Hopkins, J.C., Breit, G.
TITLE: 1-H(n,n)1-H Scattering Observables Required for High-Precision Fast-Neutron Measurements
REFERENCE: Nucl. Data Tables A9(2), 137-145 (1971)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)

AUTHORS: Liskien, H., Paulsen, A.
TITLE: Neutron Production Cross Sections and Energies for the Reactions T(p,n)3-He, D(d,n)3-He, and T(d,n)4-He
REFERENCE: Nucl. Data Tables A11(7), 569-619 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: MacGregor, M.H., et al.
TITLE: Determination of the Nucleon-Nucleon Scattering Matrix.
X. (p,p) and (n,p) Analysis from 1 to 450 MeV
REFERENCE: Phys. Rev. 182, 1714-1728 (1969)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Same as Publisher

24. Nuclear Reactions and Scattering involving Few Nucleon Systems

AUTHORS: Seamon, R.E., et al.
TITLE: Phenomenological Phase-Parameter Fits to N-N Data up to 350 MeV
REFERENCE: Phys. Rev. 165, 1579-1586 (1968)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Same as Publisher

AUTHORS: Seagrave, J.D.
TITLE: The Elastic Channel in Nucleon-Deuteron Scattering
REFERENCE: LA-DC-10638 (1969); 118 pp.
PUBLISHER: Los Alamos Scientific Laboratory
P.O. Box 1663
Los Alamos, NM 87544
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$1.45 (Microfiche)

25. Photonuclear Reactions and Photon Scattering

AUTHORS: Abramov, A.I.
TITLE: Results Obtained in Studies of Photonuclear Reactions Near Threshold
REFERENCE: INDC(CCP)-52 (1975)
PUBLISHER: International Nuclear Data Committee, Int. At. Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: Nuclear Data Section
IAEA, P.O.B. 590
1011 Vienna, Austria

AUTHORS: Antonescu, V.
TITLE: Photonuclear Reactions
REFERENCE: Int. At. Energy Agency Bibliographic Report Series 10 (1963)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Station
New York, NY 10016
COST: \$11.00

AUTHORS: Antonescu, V.
TITLE: Photonuclear Reactions - Vol II
REFERENCE: Int. At. Energy Agency Bibliographic Report Series 27 (1967)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Station
New York, NY 10016
COST: \$11.00

25. Photonuclear Reactions and Photon Scattering

- AUTHORS: Berman, B.L.
TITLE: Atlas of Photoneutron Cross Sections Obtained with Monoenergetic Photons
REFERENCE: At. Data Nucl. Data Tables 15(4), 319-390 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Brown, R.T.
TITLE: Differential Cross Sections for Coherent Photon Scattering by Elements $Z = 2$ through $Z = 26$
REFERENCE: At. Data Nucl. Data Tables 15(2), 111-139 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Buelow, B., Forkman, B.
TITLE: Photonuclear Cross-Sections
REFERENCE: Int. At. Energy Agency Technical Report Series 156, 475-588 (1974)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$26.00
- AUTHORS: Davydov, M.G., et al.
TITLE: The Characteristics of Photo-Activation of Light Elements
AVAILABILITY: Nuclear Data Section, International Atomic Energy Agency
P.O. Box 590, Karntnerring 11
A-1011 Vienna, Austria
- AUTHORS: Fuller, E.C., et al.
TITLE: Photonuclear Reaction Data, 1973
REFERENCE: Nat. Bur. Stand., Spec. Publ. 380 (1973)
PUBLISHER: Halstead Press
Division of John Wiley and Sons
AVAILABILITY: John Wiley and Sons, Inc.
605 Third Ave.
New York, NY 10016
COST: \$30.00
- AUTHORS: Plechaty, E.F., et al.
TITLE: Tables and Graphs of Photon Interaction Cross Sections from 1.0 keV to 100 MeV Derived from the LLL Evaluated Nuclear Data Library
REFERENCE: UCRL-50400, Vol. 6, Rev. 1 (1975)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$13.60 (Printed Copy), \$2.25 (Microfiche)

25. Photonuclear Reactions and Photon Scattering

AUTHORS: Storm, E., Israel, H.I.
TITLE: Photon Cross Sections from 1 keV to 100 MeV for
Elements $Z = 1$ to $Z = 100$
REFERENCE: Nucl. Data Tables A7(6), 565-681 (1970)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)

AUTHORS: Viegele, W.J.
TITLE: Photon Cross Sections from 0.1 keV to 1 MeV for Elements $Z = 1$
to $Z = 94$
REFERENCE: At. Data 5(1), 51-111 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

26. Electron and Positron Scattering

AUTHORS: Lambrecht, R.M.
TITLE: Antimatter-Matter Interactions. I. Positrons and Positronium
A Bibliography
REFERENCE: BNL-50510 (1974)
PUBLISHER: Brookhaven National Laboratory
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$7.75 (Printed Copy), \$2.25 (Microfiche)

27. Nucleon-Induced Reactions and Scattering (See also Neutron Physics)

AUTHORS: Jarmie, N., Seagrave, J.D.
TITLE: Charged Particle Cross Sections
REFERENCE: LA-2014 (1956)
PUBLISHER: Los Alamos Scientific Laboratory
Los Alamos, NM 87544
AVAILABILITY: Out of Print
May be available at ERDA depositories.

AUTHORS: Lorenzen, J., Brune, D.
TITLE: Excitation Functions for Charged-Particle-Induced Nuclear Reactions
Light Elements at Low Projectile Energies
REFERENCE: Int. At. Energy Agency Technical Report Series 156, 325-473 (1974)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$26.00

27. Nucleon-Induced Reactions and Scattering (See also Neutron Physics)

AUTHORS: Silverberg, R., Tsao, C.H.
TITLE: Cross sections of Proton-Nucleus Interactions at High Energies
REFERENCE: NRL-7593 (AD-777030) (1975)
PUBLISHER: Naval Research Laboratory
Washington, DC 20375
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$4.25

AUTHORS: Stang, L.G., et al.
TITLE: The Production of Radioisotopes by Spallation
REFERENCE: BNL-50195 (1969)
PUBLISHER: Brookhaven National Laboratory
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$3.00 (Printed Copy), \$0.65 (Microfiche)

28. Inelastic Proton Scattering and (p,n) Reactions

AUTHORS: Liskien, H., Paulsen, A.
TITLE: Neutron Production Cross Sections and Energies for the Reactions
T(p,n)3-He, D(d,n)3-He, and T(d,n)4-He
REFERENCE: Nucl. Data Tables A11(7), 569-619 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Liskien, H., Paulsen, A.
TITLE: Neutron Production Cross Sections and Energies for
the Reactions 7-Li(p,n)7-Be and 7-Li(p,n)7-Be*
REFERENCE: At. Data Nucl. Data Tables 15(1), 57-84 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

29. Radiative Capture

AUTHORS: Antonescu, V.
TITLE: Capture Reactions
REFERENCE: Int. At. Energy Agency Bibliographic Report Series 12 (1964)
PUBLISHER: International Atomic Energy Agency

Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Station
New York, NY 10016

COST: \$4.00

AUTHORS: Bartholomew, G.A.; et al.
TITLE: Compendium of Thermal-Neutron-Capture Gamma-Ray Measurements,
Part 1

REFERENCE: Nucl. Data A3(4/6), 367-650 (1967)

PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003

AVAILABILITY: Same as Publisher

COST: \$3.00/issue.

AUTHORS: Groshev, L.V., et al.
TITLE: Compendium of Thermal-Neutron-Capture Gamma-Ray Measurements,
Part 2, 3

REFERENCE: Nucl. Data Tables A5(1/2,3), 1-431 (1968)

PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003

AVAILABILITY: Same as Publisher

COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Bird, J.R., et al.
TITLE: Compilation of keV-Neutron-Capture Gamma-Ray Spectra

REFERENCE: Nucl. Data Tables A11(6), 433-529 (1973)

PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003

AVAILABILITY: Same as Publisher

COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Prokofjev, P., et al.

TITLE: Spectra of Electromagnetic Transitions and Level Schemes following
Thermal Neutron Capture by Nuclides with A=143-193 (1973)

PUBLISHER: Zinatne, Izdevnieciba
Turgeneva iela 19, Riga
Latvia, USSR

30. Deuteron- and Triton-Induced Reactions and Scattering

AUTHORS: Jarmie, N., Seagrave, J.D.
TITLE: Charged Particle Cross Sections
REFERENCE: LA-2014 (1956)
PUBLISHER: Los Alamos Scientific Laboratory
Los Alamos, NM
AVAILABILITY: Out of Print
May be available at ERDA depositories.

AUTHORS: Lorenzen, J., Brune, D.
TITLE: Excitation Functions for Charged-Particle-Induced Nuclear Reactions
Light Elements at Low Projectile Energies
REFERENCE: Int. At. Energy Agency Technical Report Series 156, 325-473 (1974)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$26.00

AUTHORS: Melkanoff, M.A., et al.
TITLE: Deuteron Absorption Coefficients and Reaction Cross Sections
Calculated with Optical Model Potentials
REFERENCE: Nucl. Data A2(3), 263-279 (1966)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.

31. Helion- and Alpha-Induced Reactions and Scattering

AUTHORS: Jarmie, N., Seagrave, J.D.
TITLE: Charged Particle Cross Sections
REFERENCE: LA-2014 (1956)
PUBLISHER: Los Alamos Scientific Laboratory
Los Alamos, NM 87544
AVAILABILITY: Out of Print
May be available at ERDA depositories.

AUTHORS: Lorenzen, J., Brune, D.
TITLE: Excitation Functions for Charged-Particle-Induced Nuclear Reactions
Light Elements at Low Projectile Energies
REFERENCE: Int. At. Energy Agency Technical Report Series 156, 325-473 (1974)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$26.00

32. Heavy-Particle-Induced Reactions and Scattering

AUTHORS: Neubert, W.
TITLE: Peak Cross Sections for (H¹,xn) Reactions
REFERENCE: Nucl. Data Tables A11(7), 531-552 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Warburton, E.K., et al.
TITLE: Gamma Rays from Fusion-Evaporation Reactions in 32 < A < 46 Nuclei
REFERENCE: At. Data Nucl. Data Tables 14(2), 147-160 (1974)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

33. Spontaneous Fission

AUTHORS: Britt, H.C.
TITLE: Properties of Fission Isomers
REFERENCE: At. Data Nucl. Data Tables 12(5), 404-414 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

34. Neutron-Induced Fission

AUTHORS: Crouch, E.A.C.
TITLE: Assessment of Known Independent Yields and the Calculation of
Those Unknown in the Fission of ²³²Th, ²³³U, ²³⁸U, ²³⁹Pu, ²⁴⁰Pu, ²⁴¹Pu
REFERENCE: AERE-R-7680 (1974)
PUBLISHER: Scientific Adm. Office, AERE, Harwell
Oxfordshire OX 11 0RA
United Kingdom
AVAILABILITY: Same as Publisher
COST: Free

AUTHORS: Meek, M.E., Rider, B.F.
TITLE: Compilation of Fission Product Yields
REFERENCE: NEDO-12154-1 (1974)
PUBLISHER: Vallecitos Nuclear Center
Pleasanton, CA 94566
AVAILABILITY: Technical Publications
Vallecitos Nuclear Center
Pleasanton, CA 94566

34. Neutron-Induced Fission

AUTHORS: Walker, W.H.
TITLE: Fission Product Data for Thermal Reactors. Pt. 2 - Chain Yields
REFERENCE: AECL-3037; Pt. 2 (1969)
PUBLISHER: Atomic Energy of Canada, Limited
Chalk River, Ontario, Canada
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$2.00

35. Properties of A $\leq$ 5 Nuclei

AUTHORS: Ajzenberg-Selove, F., Lauritsen, T.
TITLE: Energy Levels of Light Nuclei A = 5-10
REFERENCE: Nucl. Phys. A227(1), 1-244 (1974)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Fiarman, S., Meyerhof, W.E.
TITLE: Energy Levels of Light Nuclei A = 4
REFERENCE: Nucl. Phys. A206(1), 1-64 (1973)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Fiarman, S., Hanna, S.S.
TITLE: Energy Levels of Light Nuclei A = 3
REFERENCE: Nucl. Phys. A251(1), 1-64 (1975)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Horsley, A.
TITLE: Neutron Cross Sections of Hydrogen in Energy Range 0.0001 eV
to 20 MeV
REFERENCE: Nucl. Data A2(3), 243-262 (1966)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.

35. Properties of A ≤ 5 Nuclei

AUTHORS: Horsley, A.
 TITLE: Neutron Cross Sections of Deuterium in Energy Range 0.0001 eV to 20 MeV
 REFERENCE: Nucl. Data A4(4), 321-357 (1968)
 PUBLISHER: Academic Press
 111 Fifth Ave.
 New York, NY 10003
 AVAILABILITY: Same as Publisher
 COST: \$4.00/issue.

AUTHORS: Hopkins, J.C., Breit, G.
 TITLE: 1-H(n,n)1-H Scattering Observables Required for High-Precision Fast-Neutron Measurements
 REFERENCE: Nucl. Data Tables A9(2), 137-145 (1971)
 PUBLISHER: Academic Press
 111 Fifth Ave.
 New York, NY 10003
 AVAILABILITY: Same as Publisher
 COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)

AUTHORS: MacGregor, M.H., et al.
 TITLE: Determination of the Nucleon-Nucleon Scattering Matrix. X. (p,p) and (n,p) Analysis from 1 to 450 MeV
 REFERENCE: Phys. Rev. 182, 1714-1728 (1969)
 PUBLISHER: American Institute of Physics
 335 East 45th St.
 New York, NY 10017
 AVAILABILITY: Same as Publisher

AUTHORS: Seamon, R.E., et al.
 TITLE: Phenomenological Phase-Parameter Fits to N-N Data up to 350 MeV
 REFERENCE: Phys. Rev. 165, 1579-1586 (1968)
 PUBLISHER: American Institute of Physics
 335 East 45th St.
 New York, NY 10017
 AVAILABILITY: Same as Publisher

AUTHORS: Seagrave, J.D.
 TITLE: The Elastic Channel in Nucleon-Deuteron Scattering
 REFERENCE: LA-DC-10638 (1969); 118 pp.
 PUBLISHER: Los Alamos Scientific Laboratory
 P.O. Box 1663
 Los Alamos, NM 87544
 AVAILABILITY: National Technical Information Service
 5185 Port Royal Road
 Springfield, VA 22161

36. Properties of 6 ≤ A ≤ 19 Nuclei

- AUTHORS: Ajzenberg-Selove, F.
TITLE: Energy Levels of Light Nuclei A=13-15
REFERENCE: Nucl. Phys. A268(1), 1-204 (1976)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Ajzenberg-Selove, F.
TITLE: Energy Levels of Light Nuclei A = 16-17
REFERENCE: Nucl. Phys. A281(1), 1-148 (1977)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Ajzenberg-Selove, F.
TITLE: Energy Levels of Light Nuclei A = 18-20
REFERENCE: Nucl. Phys. A190(1), 1-196 (1972)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Ajzenberg-Selove, F., Lauritsen, T.
TITLE: Energy Levels of Light Nuclei A = 5-10
REFERENCE: Nucl. Phys. A227(1), 1-244 (1974)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Ajzenberg-Selove, F.
TITLE: Energy Levels of Light Nuclei A = 11-12
REFERENCE: Nucl. Phys. A248(1), 1-156 (1975)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.

37. Properties of 20 ≤ A ≤ 38 Nuclei

AUTHORS: Ajzenberg-Selove, F., Lauritsen, T.
TITLE: Energy Levels of Light Nuclei A = 18-20
REFERENCE: Nucl. Phys. A190(1), 1-196 (1972)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Endt, P.M., van der Leun, C.
TITLE: Energy Levels of A = 21-44 Nuclei
REFERENCE: Nucl. Phys. A214(1), 1-625 (1973)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.

38. Properties of 39 ≤ A ≤ 58 Nuclei

AUTHORS: Bambynek, W., Legrand, J.
TITLE: Cobalt-58 Decay
REFERENCE: At. Energy Rev. 11(3), 524-575 (1973)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$8.00

AUTHORS: Endt, P.M., van der Leun, C.
TITLE: Energy Levels of A = 21-44 Nuclei
REFERENCE: Nucl. Phys. A214(1), 1-625 (1973)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.

38. Properties of 39 ≤ A ≤ 58 Nuclei

AUTHORS: Nuclear Data Project and others
TITLE: Nuclear Data Sheets for A = 45-58
REFERENCE: Nucl. Data B3(5) to present (1970-1977)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: See page ii of the latest issue of the Nuclear Data Sheets
for "Cumulated Index to A-Chains"

AUTHORS: Roost, E., Lagoutine, F.
TITLE: Chromium-51 Decay
REFERENCE: At. Energy Rev. 11(3), 642-690 (1973)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$8.00

39. Properties of 59 ≤ A ≤ 89 Nuclei

AUTHORS: Hansen, H.H., Legrand, J.
TITLE: Cobalt-60 Decay
REFERENCE: At. Energy Rev. 11(3), 576-641 (1973)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$8.00

AUTHORS: Nuclear Data Project and others
TITLE: Nuclear Data Sheets for A = 59-89
REFERENCE: Nucl. Data B5, 109 to present (1971-1977)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: See page ii of the latest issue of the Nuclear Data Sheets
for "Cumulated Index to A-Chains"

40. Properties of 90 ≤ A ≤ 149 Nuclei

AUTHORS: Grigoryan, Yu.I., et al.
TITLE: Decay of 115-Cd and its Isomer
REFERENCE: INDC(CCP)-73 (1976)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: Nuclear Data Section
IAEA, P.O.B. 590, Karntnerring 11
1011 Vienna, Austria
COST: Free

AUTHORS: Grigoryan, Yu.I., et al.
TITLE: Critical Evaluation of Radioactive Decay Constants for
99-Mo, 144-Ce, 144-Pr and 144-Pm
REFERENCE: INDC(CCP)-74 (1976)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: Nuclear Data Section
IAEA, P.O.B. 590, Karntnerring 11
1011 Vienna, Austria
COST: Free

AUTHORS: Nuclear Data Project and others
TITLE: Nuclear Data Sheets for A = 90-149
REFERENCE: Nucl. Data B2(4) to present (1967-1977)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: See page ii of the latest issue of the Nuclear Data Sheets
for "Cumulated Index to A-Chains"

41. Properties of 150 ≤ A ≤ 189 Nuclei

AUTHORS: Nuclear Data Project and others
TITLE: Nuclear Data Sheets for A = 150-189
REFERENCE: Nucl. Data B1(1) to present (1966-1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: See page ii of the latest issue of the Nuclear Data Sheets
for "Cumulated Index to A-Chains"

42. Properties of 190 $\leq$ A $\leq$ 219 Nuclei

AUTHORS: Nuclear Data Project and others
TITLE: Nuclear Data Sheets for A = 190-219
REFERENCE: Nucl. Data B5, 207 to present (1971-1977)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: See page ii of the latest issue of the Nuclear Data Sheets
for "Cumulated Index to A-Chains"

43. Properties of 220 $\leq$ A Nuclei

AUTHORS: Gorbachev, V.M., et al.
TITLE: Basic Characteristics of the Isotopes of Heavy Elements
2nd Ed. (1975)
PUBLISHER: Atomizdat
Ul Zdanova 5-7
Moscow K-45, USSR
AVAILABILITY: American Institute of Physics
335 East 45th St.
New York, NY 10017

AUTHORS: Nuclear Data Project and others
TITLE: Nuclear Data Sheets for A $\geq$ 220
REFERENCE: Nucl. Data B1(5) to present (1966-1977)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: See page ii of the latest issue of the Nuclear Data Sheets
for "Cumulated Index to A-Chains"

44. Neutron Physics (See also Nucleon-Induced Reactions and Scattering)

AUTHORS: Four-Center Network (Edited by the N.N.D.C.-B.N.L.)
TITLE: CSISRS (Cross Section Information Storage and Retrieval System)
NOTE: Neutron cross section data
PUBLISHER: Brookhaven National Laboratory
National Nuclear Data Center
Upton, NY 11973
AVAILABILITY: Same as Publisher
COST: Contact N.N.D.C. for details (approx. 2 million data points)

AUTHORS: Alley, W.E., Lessler, R.M.
TITLE: Neutron Activation Cross Sections
REFERENCE: Nucl. Data Tables A11(8/9), 621-826 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

44. Neutron Physics (See also Nucleon-Induced Reactions and Scattering)

- AUTHORS: Bormann, M., Scobell, W.
TITLE: Tables and Graphs of Cross Sections for (n,p), (n,alpha) and (n,2n) Reactions in the Neutron Energy Region 1-37 MeV
REFERENCE: Int. At. Energy Agency Technical Report Series 156, 87-272 (1974)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$26.00
- AUTHORS: Calamand, A.
TITLE: Cross Sections for Fission Neutron Spectrum Induced Reactions
REFERENCE: Int. At. Energy Agency Technical Report Series 156, 273-324 (1974)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$26.00
- AUTHORS: Cullen, D.E., et al.
TITLE: Graphical, Experimental Data for the Major Neutron-Induced Interactions ($Z \leq 55$)
REFERENCE: UCRL-50400, Vol. 7, Part A (1974)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$10.60 (Printed Copy), \$0.95 (Microfiche)
- AUTHORS: Cullen, D.E., et al.
TITLE: ECSIL: A System for Storage, Retrieval, and Display of Experimental Neutron Data
REFERENCE: UCRL-50400, Vol. 1, Rev. 3 (1976)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$6.00 (Printed Copy), \$3.00 (Microfiche)
- AUTHORS: Cullen, D.E., et al.
TITLE: Major Neutron-Induced Interactions ($Z > 55$): Graphical, Experimental Data
REFERENCE: UCRL-50400, Vol. 7, Part B, Rev. 1 (1976)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$11.00 (Printed Copy), \$2.25 (Microfiche)

44. Neutron Physics (See also Nucleon-Induced Reactions and Scattering)

AUTHORS: Cullen, D.E., et al.
TITLE: Graphical, Experimental Data for Supplemental Neutron-Induced Reactions
REFERENCE: UCRL-50400, Vol. 8 (1974)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$13.60 (Printed Copy), \$1.45 (Microfiche)

AUTHORS: Cullen, D.E.
TITLE: Supplemental Neutron-Induced Interactions ($Z > 55$): Graphical, Experimental Data
REFERENCE: UCRL-50400, Vol. 8, Part B, Rev. 1 (1976)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$9.00 (Printed Copy), \$2.25 (Microfiche)

AUTHORS: Erdtmann, G.
TITLE: Neutron Activation Tables
PUBLISHER: Verl. Chemie
Kernchemie in Einzeldarstellungen
Weinheim, Federal Republic of Germany
AVAILABILITY: Nuclear Data Section, International Atomic Energy Agency
P.O. Box 590, Karntnerring 11
A-1011 Vienna, Austria

AUTHORS: Filby, R.H., et al.
TITLE: Gamma-Ray Energy Tables for Neutron Activation Analysis
REFERENCE: WSUNRC-97(2) (1970)
PUBLISHER: Washington State Univ.
Pullman Nucl. Rad. Center
Pullman, WA 99163
AVAILABILITY: Same as Publisher

AUTHORS: Fu, C.Y., Perey, F.G.
TITLE: Evaluation of Neutron and Gamma-Ray-Production Cross Section Data for Lead
REFERENCE: At. Data Nucl. Data Tables 16(5), 409-450 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

44. Neutron Physics (See also Nucleon-Induced Reactions and Scattering)

AUTHORS: Fu, C.Y.
TITLE: Consistent Calculations of (n,x) and (n,xgamma) Cross Sections for
40-Ca, $E_n = 1-20$ MeV
REFERENCE: At. Data Nucl. Data Tables 17(2); 127-156 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Garber, D.I., et al.
TITLE: Angular Distributions in Neutron-Induced Reactions, Vol. 1
 $Z = 1$ to 20
REFERENCE: BNL-400, Vol. 1, Ed. 3 (1970)
PUBLISHER: Brookhaven National Laboratory
National Neutron Cross Section Center
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$3.00(Paper), \$.95(Microfiche)

AUTHORS: Garber, D.I., et al.
TITLE: Angular Distributions in Neutron-Induced Reactions, Vol. 2
 $Z = 21$ to 94
REFERENCE: BNL-400, Vol. 2, Ed. 3 (1970)
PUBLISHER: Brookhaven National Laboratory
National Neutron Cross Section Center
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$10.00(Paper), \$.95(Microfiche)

AUTHORS: Garber, D.I., Kinsey, R.R.
TITLE: Neutron Cross Sections, Vol. 2
REFERENCE: BNL-325, Vol. 2, Ed. 3 (1976)
PUBLISHER: Brookhaven National Laboratory
National Neutron Cross Section Center
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$13.60(Paper), \$1.45(Microfiche)

AUTHORS: Goel, B., Krieg, B.
TITLE: KEDAK: Status of the Nuclear Data Library KEDAK-3
REFERENCE: KFK-2234 (1975)
PUBLISHER: Zentralstelle fur Atomkernenergie-Dokumentation
Kernforschungszentrum, D-7514 Eggenstein-Leopoldshafen
Federal Republic of Germany
AVAILABILITY: Same as Publisher

44. Neutron Physics (See also Nucleon-Induced Reactions and Scattering)

- AUTHORS: Gryntakis, E.M., Kim, J.T.
TITLE: A Compilation of Resonance Integrals, Part I (Z=1-52)
REFERENCE: J. Radioanal. Chem. 29, 175 (1976)
PUBLISHER: North Holland Publishing Co.
P.O. Box 211
Amsterdam, Netherlands
AVAILABILITY: North Holland Publishing Co.
52 Vanderbilt Ave.
New York, NY 10017
COST: Not available. Contact publisher for reprint price & availability.
- AUTHORS: Gyulassy, M., et al.
TITLE: Experimental Data, Idexes and Techniques of Obtaining a Selected Set of Neutron Resonance Parameters
REFERENCE: UCRL-50400, Vol. 11 (1972)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$3.00 (Printed Copy), \$0.95 (Microfiche)
- AUTHORS: Gyulassy, M., Perkins, S.T.
TITLE: An Atlas of Unresolved Neutron Resonance Parameters
REFERENCE: UCRL-50400, Vol. 13 (1972)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$3.00 (Printed Copy), \$0.95 (Microfiche)
- AUTHORS: Horsley, A.
TITLE: Neutron Cross Sections of Hydrogen in Energy Range 0.0001 eV to 20 MeV
REFERENCE: Nucl. Data A2(3), 243-262 (1966)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.
- AUTHORS: Horsley, A.
TITLE: Neutron Cross Sections of Deuterium in Energy Range 0.0001 eV to 20 MeV
REFERENCE: Nucl. Data A4(4), 321-357 (1968)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$4.00/issue.

44. Neutron Physics (See also Nucleon-Induced Reactions and Scattering)

- AUTHORS: Howerton, R.J., et al.
TITLE: Evaluated Nuclear Cross Section Library
REFERENCE: UCRL-50400, Vol. 4 (1971)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$3.00 (Printed Copy) , \$0.65 (Microfiche)
- AUTHORS: Howerton, R.J., et al.
TITLE: The LLL Evaluated Nuclear Data Library (ENDL): Graphs of Cross Sections from the Library
REFERENCE: UCRL-50400, Vol. 15, Part B (1976)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$10.60 (Printed Copy), \$2.25 (Microfiche)
- AUTHORS: Jessen, P., et al.
TITLE: Experimental Excitation Functions for (n,p), (n,t), (n,alpha), (n,2n), (n,np), and (n,n alpha) Reactions
REFERENCE: Nucl. Data A1(2), 103-202 (1965)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.
- AUTHORS: Kenna, B.T., Harrison, P.E.
TITLE: Neutron Activation Analysis
REFERENCE: SAND-76-0254 (1976)
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
- AUTHORS: Karlsruhe
TITLE: KEDAK-3 (Karlsruhe Evaluated Nuclear Data Library)
NOTE: Computer-based. See KFK-2234 for details.
REFERENCE: KFK-2234 (1975)
PUBLISHER: Zentralstelle fur Atomkernenergie-Dokumentation
Kernforschungszentrum, D-7514 Eggenstein-Leopoldshafen
Federal Republic of Germany
AVAILABILITY: Brookhaven National Laboratory
National Nuclear Data Center
Upton, NY 11973
COST: Contact the National Nuclear Data Center for Details

44. Neutron Physics (See also Nucleon-Induced Reactions and Scattering)

AUTHORS: Liskien, H., et al.
TITLE: Compilation of Threshold Reaction Neutron Cross-Sections for Neutron Dosimetry and Other Applications
REFERENCE: EANDC-95-U (1974)
AVAILABILITY: National Technical Information Service (U.S. sales only)
5285 Port Royal Road
Springfield, VA 22161
COST: \$19.75

TITLE: ECSIL (Experimental Cross-Section Information Library) (1976)
NOTE: Computer based. See UCRL-50400 for data and documentation
PUBLISHER: Lawrence Livermore Laboratory
University of California
Livermore, CA 94550
AVAILABILITY: Same as Publisher

TITLE: ENDL-76 (Neutron Data Library) (1976)
NOTE: Computer based. See UCRL-50400 for data and documentation
PUBLISHER: Lawrence Livermore Laboratory
University of California
Livermore, CA 94550
AVAILABILITY: Same as Publisher

AUTHORS: MacGregor, M.H., et al.
TITLE: Neutron-Induced Interactions: Bibliography of Experimental Data
REFERENCE: UCRL-50400, Vol. 2, Rev. 2 (1974)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$18.75 (Printed Copy), \$2.25 (Microfiche)

AUTHORS: MacGregor, M.H., et al.
TITLE: Neutron-Induced Reactions: Index of Experimental Data
REFERENCE: UCRL-50400, Vol. 3, Rev. 2 (1976)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$18.75 (Printed Copy), \$2.25 (Microfiche)

AUTHORS: Magurno, B.A. (Editor)
TITLE: ENDF/B-IV Dosimetry File
REFERENCE: BNL-NCS-50446 (ENDF-216) (1975)
PUBLISHER: Brookhaven National Laboratory
National Neutron Cross Section Center
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$8.75/\$11.75 (Domestic/Foreign Printed Copy), \$1.45 (Microfiche)

44. Neutron Physics (See also Nucleon-Induced Reactions and Scattering)

- AUTHORS: Magurno, B.A.
TITLE: ENDF/B-IV Cross Section Measurement Standards
REFERENCE: BNL-NCS-50464 (ENDF-225) (1975)
PUBLISHER: Brookhaven National Laboratory
National Neutron Cross Section Center
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$6.50/\$9.00 (Domestic/Foreign Printed Copy), \$2.25 (Microfiche)
- AUTHORS: Mughabghab, S.F., Garber, D.I.
TITLE: Neutron Cross Sections, Vol. 1
REFERENCE: BNL-325, Vol. 1, Ed. 3 (1973)
PUBLISHER: Brookhaven National Laboratory
National Neutron Cross Section Center
Upton, NY 10073
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$13.60
- AUTHORS: Pearlstein, S.
TITLE: Extended Table of Calculated (n,2n) Cross Sections
REFERENCE: Nucl. Data A3(3), 327-341 (1967)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.
- AUTHORS: Perkins, S.T., Gyulassy, M.
TITLE: An Atlas of Resolved Neutron Resonance Parameters
REFERENCE: UCRL-50400, Vol. 12 (1974)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$3.00 (Printed Copy), \$0.95 (Microfiche)
- AUTHORS: Sher, R.
TITLE: 2,200 m/s Neutron Activation Cross-Sections
REFERENCE: Int. At. Energy Agency Technical Report Series 156, 1-13 (1974)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$26.00

44. Neutron Physics (See also Nucleon-Induced Reactions and Scattering)

AUTHORS: Walker, W.H.
TITLE: Fission Product Data for Thermal Reactors. Pt. 1 - Cross Sections
REFERENCE: AECL-3037, Pt. 1 (1969)
PUBLISHER: Atomic Energy of Canada, Limited
Chalk River, Ontario, Canada
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$2.00

45. Neutron Scattering (See also Neutron Physics)

AUTHORS: Hopkins, J.C., Breit, G.
TITLE: 1-H(n,n)1-H Scattering Observables Required for High-Precision
Fast-Neutron Measurements
REFERENCE: Nucl. Data Tables A9(2), 137-145 (1971)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)

AUTHORS: MacGregor, M.H., et al.
TITLE: Determination of the Nucleon-Nucleon Scattering Matrix.
X. (p,p) and (n,p) Analysis from 1 to 450 MeV
REFERENCE: Phys. Rev. 182, 1714-1728 (1969)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Same as Publisher

AUTHORS: Seamon, R.E., et al.
TITLE: Phenomenological Phase-Parameter Fits to N-N Data up to 350 MeV
REFERENCE: Phys. Rev. 165, 1579-1586 (1968)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Same as Publisher

AUTHORS: Seagrave, J.D.
TITLE: The Elastic Channel in Nucleon-Deuteron Scattering
REFERENCE: LA-DC-10638 (1969); 118 pp.
PUBLISHER: Los Alamos Scientific Laboratory
P.O. Box 1663
Los Alamos, NM 87544
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$1.45 (Microfiche)

46. Neutron Absorption--(See also Neutron Physics)

AUTHORS: Albinsson, H.
TITLE: Infinite-Dilution Resonance Integrals
REFERENCE: Int. At. Energy Agency Technical Report Series 156, 15-86 (1974)
PUBLISHER: International Atomic Energy Agency
Karntnerring 11
1011 Vienna, Austria
AVAILABILITY: UNIPUB
P.O. Box 433, Murray Hill Sta.
New York, NY 10016
COST: \$26.00

47. Nuclear Reactors

AUTHORS: Beynon, T.D.
TITLE: The Nuclear Physics of Fast Reactors
REFERENCE: Rep. Prog. Phys. 37, 951-1034 (1974)
PUBLISHER: The Institute of Physics
47 Belgrave Square
London SW1X8QX, United Kingdom
AVAILABILITY: American Institute of Physics
335 East 45th St.
New York, NY 10017
COST: Not available. Contact distributor for price & availability.

AUTHORS: Plechaty, E.F., et al.
TITLE: Tabular and Graphical Presentation of 175 Neutron Group Constants
Derived from the LLL Evaluated Neutron Data Library (ENDL)
REFERENCE: UCRL-50400, Vol. 16 (1976)
PUBLISHER: Lawrence Livermore Laboratory
P.O. Box 808
Livermore, CA 94550
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$10.60 (Printed Copy), \$2.25 (Microfiche)

48. Energy Loss and Energy Range Relations

AUTHORS: Bichsel, H., Tschalaer, C.
TITLE: Range-Energy Table for Heavy Particles in Silicon
REFERENCE: Nucl. Data A3(3), 343-360 (1967)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$3.00/issue.

48. Energy Loss and Energy Range Relations

AUTHORS: Hungerford, E.V., Mayes, B.W.
TITLE: Target Thickness Angular Spread Tables for Proton and Pion Beams
REFERENCE: At. Data Nucl. Data Tables 15(5), 477-512 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Janni, J.F.
TITLE: Calculations of Energy Loss, Range, Path Length, Straggling, Multiple Scattering, and the Probability of Inl. Nuclear Collisions
REFERENCE: AFWL-TR-65-150 (1966)
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$3.00(Paper), \$.65(Micronegative)

AUTHORS: Lo, H.H., Fite, W.L.
TITLE: Electron-Capture and Loss Cross Sections for Fast, Heavy Particles Passing through Gases
REFERENCE: At. Data 1(3), 305-328 (1970)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Neuwirth, W., et al.
TITLE: Stopping Cross Sections of Elements with $Z = 2$ to 87 for Li Ions with Energies between 80 keV and 840 keV
REFERENCE: Physik Daten 2-1 1976 (1976)
PUBLISHER: Zentralstelle fur Atomkernenergie-Dokumentation
D-7514 Eggenstein-Leopoldshafen
Federal Republic of Germany
AVAILABILITY: Same as Publisher

AUTHORS: Northcliffe, L.C., Schilling, R.F.
TITLE: Range and Stopping-Power Tables for Heavy Ions
REFERENCE: Nucl. Data Tables A7(3), 233-463 (1970)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)

AUTHORS: Williamson, C.F., et al.
TITLE: Tables of Ranges and Stopping Power of Chemical Elements for Charged Particles of Energy 0.05 to 500 MeV
REFERENCE: CEA-R-3042 (1966)
PUBLISHER: Commissariat a L'Energie Atomique
France
AVAILABILITY: Documentation Francaise, Secretariat du Gouvernement, Direction de la Documentation, 16 rue Lord Byron
Paris, France
COST: Available at ERDA depositories.

48. Energy Loss and Energy Range Relations

AUTHORS: Ziegler, J.F., Chu, W.K.
TITLE: Stopping Cross Sections and Backscattering Factors for 4-He
Ions in Matter $Z = 1-92$, $E(4\text{-He}) = 400-4000$ keV
REFERENCE: At. Data Nucl. Data Tables 13(5), 463-489 (1974)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

49. X-ray Spectra

AUTHORS: Bambynek, W., et al.
TITLE: X-ray Fluorescence Yields, Auger and Coster-Kronig Transition
Probabilities
REFERENCE: Rev. Mod. Phys. 44, 716-813 (1972)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Same as Publisher
COST: Not available. Contact Reprint Dept. of publisher.

AUTHORS: Carlson, T.A., Nestor Jr., C.W.
TITLE: Calculation of K and L X-rays for Elements of $Z = 95$ to 135
REFERENCE: At. Data Nucl. Data Tables 19(2), 153-173 (1977)
PUBLISHER: Academic Press
111 Fifth Ave,
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Salem, S.I., Lee, P.L.
TITLE: Experimental Widths of K and L X-ray Lines
REFERENCE: At. Data Nucl. Data Tables 18(3), 233-241 (1976)
PUBLISHER: Academic Press
111 Fifth Avenue
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

50. Fluorescence, Phosphorescence (including Quenching)

AUTHORS: Bambynek, W., et al.
TITLE: X-ray Fluorescence Yields, Auger and Coster-Kronig Transition
Probabilities
REFERENCE: Rev. Mod. Phys. 44, 716-813 (1972)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Same as Publisher
COST: Not available. Contact Reprint Dept. of publisher.

51. Line Shapes, Widths, and Shifts

AUTHORS: Salem, S.I., Lee, P.L.
TITLE: Experimental Widths of K and L X-ray Lines
REFERENCE: At. Data Nucl. Data Tables 18(3), 233-241 (1976)
PUBLISHER: Academic Press
111 Fifth Avenue
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

52. Photoionization and Photodetachment

AUTHORS: Allison, A.C., Dalgarno, A.
TITLE: Photodissociation of Vibrationally Excited H₂, HD, and D₂ by
Absorption into Continua of Lyman and Werner Systems
REFERENCE: At. Data 1(1), 91-102 (1969)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

53. Auger Effect and Inner-Shell Ionization

AUTHORS: Bambynek, W., et al.
TITLE: X-ray Fluorescence Yields, Auger and Coster-Kronig
Transition Probabilities
REFERENCE: Rev. Mod. Phys. 44, 716-813 (1972)
PUBLISHER: American Institute of Physics
335 East 45th St.
New York, NY 10017
AVAILABILITY: Same as Publisher
COST: Not available. Contact Reprint Dept. of publisher.

AUTHORS: Chen, M.H., et al.
TITLE: Theoretical L-Shell Coster-Kronig Energies. $11 \leq Z \leq 103$
REFERENCE: At. Data Nucl. Data Tables 19(1), 97-151 (1977)
PUBLISHER: Academic Press
111 Fifth Ave,
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Hardt, T.L., Watson, R.L.
TITLE: Cross Sections for L-Shell X-Ray and Auger-Electron Production by
Heavy Ions
REFERENCE: At. Data Nucl. Data Tables 17(2), 107-125 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

54. Other Topics in Atomic Spectra and Interaction of Atoms with Photons

AUTHORS: Hubbell, J.H., et al.
TITLE: Atomic Form Factors, Incoherent Scattering Functions, and Photon Scattering Cross Sections
REFERENCE: J. Phys. Chem. Reference Data 4(2), 471-538 (1975)
PUBLISHER: American Chemical Society
1155 Sixteenth St. N.W.
Washington, DC 20036
AVAILABILITY: Subscription Service Dept. of publisher

AUTHORS: Hubbell, J.H.
TITLE: Photon Mass Attenuation and Mass Energy Absorption Coefficients for H, C, N, O, Ar, and Seven Mixtures from 0.1 keV to 20 MeV
REFERENCE: Radiation Research 70, 58-81 (1977)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher

AUTHORS: Hubbell, J.H.
TITLE: Photon Cross Sections, Attenuation Coefficients, and Energy Absorption Coefficients from 10 keV to 100 GeV
REFERENCE: NSRDS-NBS-29 (1969)
PUBLISHER: U.S. Government Printing Office
Washington, DC 20402
AVAILABILITY: Same as Publisher
COST: \$.75

AUTHORS: Hubbell, J.H.
TITLE: Survey of Photon-Attenuation-Coefficient Measurements
10 eV to 100 GeV
REFERENCE: At. Data 3(3), 241-297 (1971)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Hudson, R.D., Kieffer, L.J.
TITLE: Compilation of Atomic Ultraviolet Photoabsorption Cross Sections for Wavelengths Between 3000 and 10 Angstroms
REFERENCE: At. Data 2(3), 205-262 (1971)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

55. Raman and Rayleigh Spectra (including Optical Scattering)

AUTHORS: Ford, A.L., Browne, J.C.
TITLE: Rayleigh and Raman Cross Sections for the Hydrogen Molecule
REFERENCE: At. Data 5(3), 305-313 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

56. Electronic Excitation and Ionization(including Beam-Foil Excitation and Ionization)

AUTHORS: Dehmelt, R.C., et al.
TITLE: Experimental Stripping Cross Sections for Atoms and Ions
in Gases, 1950-1970
REFERENCE: At. Data 5(3), 231-289 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Rutledge, C.H., Watson, R.L.
TITLE: Cross Sections for K-Shell Ionization by 1-H, 2-H, 3-He,
and 4-He Ion Impact
REFERENCE: At. Data Nucl. Data Tables 12(2), 195-216 (1973)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
COST: Not available. Contact publisher for reprint price & availability.

57. Atomic Masses, Mass Spectra, Abundances, and Isotopes

AUTHORS: Holden, N.E.
TITLE: Isotopic Composition of the Elements and Their Variation in Nature:
A Preliminary Report
REFERENCE: BNL-NCS-50605 (1977)
PUBLISHER: Brookhaven National Laboratory
National Nuclear Data Center
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$4.00(Printed copy), \$3.00(Microfiche)

58. Positronium, Muonium, Muonic Atoms and Molecules

AUTHORS: Lambrecht, R.M.
TITLE: Antimatter-Matter Interactions. I. Positrons and Positronium
A Bibliography
REFERENCE: BNL-50510 (1974)
PUBLISHER: Brookhaven National Laboratory
Upton, NY 11973
AVAILABILITY: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
COST: \$7.75 (Printed Copy), \$2.25 (Microfiche)

59. Mesonic Atoms and Molecules, Hyperonic Atoms and Molecules

AUTHORS: Vogel, P.
TITLE: Tables of Electron Screening and Higher-Order Vacuum Polarization
Potentials in Mesonic Atoms
REFERENCE: At. Data Nucl. Data Tables 14(5/6), 599-604 (1974) Erratum 16, 580 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

60. Transport Properties

AUTHORS: Allison, A.C., Smith, F.J.
TITLE: Transport Properties of Atomic Hydrogen
REFERENCE: At. Data 3(4), 317-321 (1971)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Ellis, H.W., et al.
TITLE: Transport Properties of Gaseous Ions over a Wide Energy Range
REFERENCE: At. Data Nucl. Data Tables 17(3), 177-210 (1976)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

AUTHORS: Viehland, L.A., et al.
TITLE: Tables of Transport Collision Integrals for (n,6,4)
Ion-Neutral Potentials
REFERENCE: At. Data Nucl. Data Tables 16(6), 495-514 (1975)
PUBLISHER: Academic Press
111 Fifth Ave.
New York, NY 10003
AVAILABILITY: Same as Publisher
COST: Not available. Contact publisher for reprint price & availability.

61. Radiation Dosimetry

- AUTHORS: Berger, M.J.
TITLE: Energy Deposition in Water by Photons from Point Isotropic Sources
REFERENCE: J. Nucl. Med. 9, Suppl. 1, 15-25 (1968)
PUBLISHER: Society of Nuclear Medicine
305 East 45th St.
New York, NY 10017
AVAILABILITY: Medical Internal Radiation Dose Committee
404 Church Ave., Suite 15
Maryville, TN 37801
COST: \$1.50 (MIRD Pamphlet #2)
- AUTHORS: Berger, M.J.
TITLE: Distribution of Absorbed Dose Around Point Sources of Electrons and Beta Particles in Water and Other Media
REFERENCE: J. Nucl. Med. 12, Suppl. 5, 5-23 (1971)
PUBLISHER: Society of Nuclear Medicine
305 East 45th St.
New York, NY 10017
AVAILABILITY: Medical Internal Radiation Dose Committee
404 Church Ave., Suite 15
Maryville, TN 37801
COST: \$1.50 (MIRD Pamphlet #7)
- AUTHORS: Brownell, G.L., et al.
TITLE: Absorbed Fractions for Photon Dosimetry.
REFERENCE: J. Nucl. Med. 9, Suppl. 1, 27-39 (1968)
PUBLISHER: Society of Nuclear Medicine
305 East 45th St.
New York, NY 10017
AVAILABILITY: Medical Internal Radiation Dose Committee
404 Church Ave., Suite 15
Maryville, TN 37801
COST: \$1.50 (MIRD Pamphlet #3)
- AUTHORS: Dillman, L.T., von der Lage, F.C.
TITLE: Radionuclide Decay Schemes and Nuclear Parameters for Use in Radiation Dose Estimates
REFERENCE: MIRD Pamphlet #10 (1975); 125 pp.
PUBLISHER: Society of Nuclear Medicine
305 East 45th St.
New York, NY 10017
AVAILABILITY: Medical Internal Radiation Dose Committee
404 Church Ave., Suite 15
Maryville, TN 37801
COST: \$8.75(with binder), \$6.50(without binder)
- AUTHORS: Ellet, W.H., Humes, R.M.
TITLE: Absorbed Fraction for Small Volumes Containing Photon Emitting Radioactivity
REFERENCE: J. Nucl. Med. 12, Suppl. 5, 25-32 (1971)
PUBLISHER: Society of Nuclear Medicine
305 East 45th St.
New York, NY 10017
AVAILABILITY: Medical Internal Radiation Dose Committee
404 Church Ave., Suite 15
Maryville, TN 37801
COST: \$1.50 (MIRD Pamphlet #8)

61. Radiation Dosimetry

- AUTHORS: Lathrop, K.A., et al.
 TITLE: Radiation Dose to Humans from 75-Se-1-Selenomethionide
 REFERENCE: J. Nucl. Med. 13, Suppl. 6, 7-30 (1972)
 PUBLISHER: Society of Nuclear Medicine
 305 East 45th St.
 New York, NY 10017
 AVAILABILITY: Medical Internal Radiation Dose Committee
 404 Church Ave., Suite 15
 Maryville, TN 37801
 COST: \$3.00 (MIRD Pamphlet #9)
- AUTHORS: Loevinger, R., Berman, M.
 TITLE: A Schema for Absorbed Dose Calculations for Biologically Distributed Radionuclides.
 REFERENCE: J. Nucl. Med. 9, Suppl. 1, 7-14 (1968)
 PUBLISHER: Society of Nuclear Medicine
 305 East 45th St.
 New York, NY 10017
 AVAILABILITY: Medical Internal Radiation Dose Committee
 404 Church Ave., Suite 15
 Maryville, TN 37801
 COST: \$1.50 (MIRD Pamphlet #1)
- AUTHORS: Martin, M.J., Blichert-Toft, P.H.
 TITLE: Radioactive Atoms. Auger-Electron, Alpha-, Beta-, Gamma-, and X-Ray Data.
 REFERENCE: Nucl. Data Tables A8(1/2), 1-198 (1970)
 PUBLISHER: Academic Press
 111 Fifth Ave,
 New York, NY 10003
 AVAILABILITY: Same as Publisher
 COST: \$5.00 (single issue), \$9.00 (double issue), \$13.00 (triple issue)
- AUTHORS: Martin, M.J.
 TITLE: Nuclear Decay Data for Selected Radionuclides
 REFERENCE: ORNL-5114 (1976)
 PUBLISHER: Oak Ridge National Laboratory
 P.O. Box X
 Oak Ridge, TN 37830
 AVAILABILITY: National Technical Information Service
 5285 Port Royal Road
 Springfield, VA 22161
 COST: \$5.50
- AUTHORS: Snyder, W.S., et al.
 TITLE: Estimates of Absorbed Fractions for Monoenergetic Photon Sources Uniformly Distributed in Various Organs of a Heterogeneous Phantom
 REFERENCE: J. Nucl. Med. 10, Suppl. 3, 5-52 (1969)
 PUBLISHER: Society of Nuclear Medicine
 305 East 45th St.
 New York, NY 10017
 AVAILABILITY: Medical Internal Radiation Dose Committee
 404 Church Ave., Suite 15
 Maryville, TN 37801
 COST: \$1.50 (MIRD Pamphlet #5)

61. Radiation Dosimetry

AUTHORS: Snyder, W.S., et al.
TITLE: Absorbed Dose per Unit Cumulated Activity for Selected
Radionuclides and Organs
REFERENCE: MIRD Pamphlet #11 (1975); 255 pp.
PUBLISHER: Society of Nuclear Medicine
305 East 45th St.
New York, NY 10017
AVAILABILITY: Medical Internal Radiation Dose Committee
404 Church Ave., Suite 15
Maryville, TN 37801
COST: \$10.20(with binder), \$7.95(without binder)