

INTERNATIONAL ATOMIC ENERGY AGENCY

NUCLEAR DATA SERVICES

DOCUMENTATION SERIES OF THE IAEA NUCLEAR DATA SECTION

IAEA-NDS-0

Rev. 2002/7

Index to the IAEA-NDS-Documentation Series

H.D. Lemmel, O. Schwerer

This index lists the current versions of the IAEA-NDS-reports which summarize contents and format of nuclear data libraries available from the IAEA Nuclear Data Section.

July 2002

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Online: TELNET or FTP: iaeand.iaea.org
username: IAEANDS for interactive Nuclear Data Information System
usernames: ANONYMOUS for FTP file transfer;
 FENDL2 for FTP file transfer of FENDL-2.0;
 RIPL for FTP file transfer of RIPL
 NDSOHL for FTP access to files sent to NDIS "open area"
Web: <http://www-nds.iaea.org>

Note:

The IAEA-NDS-reports should not be considered as formal publications. When a nuclear data library is sent out by the IAEA Nuclear Data Section, it will be accompanied by an IAEA-NDS-report which should give the data user all necessary documentation on contents, format and origin of the data library.

IAEA-NDS-reports are updated whenever there is additional information of relevance to the users of the data library.

For citations care should be taken that credit is given to the author of the data library and/or to the data center which issued the data library. The editor of the IAEA-NDS-report is usually not the author of the data library.

Neither the originator of the data libraries nor the IAEA assume any liability for their correctness or for any damages resulting from their use.

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Citation guideline:

When quoting a computer-based data library in a publication it is recommended

- to give first the print reference in which the author(s) describe(s) the generation of the data,
- to give thereafter the database reference which contains the numerical data, including the version of the database,
- and then to mention the data center or the online service from which the data were received.

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Index to the IAEA-NDS-Documentation Series

H.D. Lemmel, O. Schwerer

This index lists the current versions of the IAEA-NDS-documentations which summarize contents and formats of nuclear data libraries available from the IAEA Nuclear Data Section.

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0 Suppl 94/3 Index to the superseded documents of the AEA-NDS-Documentation Series
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1 7 96/11 Short Guide to EXFOR
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2 96/11 96/11 EXFOR/CINDA Dictionaries, edited on behalf of the cooperating data centres by
O. Schwerer, H.D. Lemmel

The Dictionary Database is updated quarterly. The most recent version is available on tape or diskette. The 95/1 version is available as hardcopy report

3 96/11 96/11 NDS EXFOR Manual
H.D. Lemmel, ed.

(4) 1 82/6 **System Specification for the NDS EXFOR System.** On IBM computer, no longer used.

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(5) 1 82/6 **System Specifications for the NDS Dictionary System.** On IBM computer, no longer used.

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11 5 90/9 **ENDL-84**, LLNL Evaluated Nuclear Data Library 1984 in ENDF-5 format. Contents and Documentation

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13 5 86/5 **ENDF/B-5 Actinides** (Rev. 86), Contents and Documentation

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15 2 86/5 **ENDF/B-5 Standards Library.** Contents and Documentation

N. DayDay, H.D. Lemmel

Note: More recent standards see ENDF/B-6 Standards Library, see IAEA-NDS-88

15/300 0 81/1 **Microfiche of ENDF-300** (Dec. 1979) Standard reference and other important nuclear data

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- 17 0 79/8 **BLA-78**, Blachot's Library of Fission Product Decay Data, Contents & Documentation
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- (18) 4 86/11 **JENDL-2 (Rev.1)**, the Japanese Evaluated Nuclear Data Library, Contents and Documentation
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- 19 2 80/7 **JUELGAM-79**, Jülich Decay-Gamma Data File 1979. Summary Documentation N. DayDay (JUELGAM-78, Summary Documentation by
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- (20) 2 79/80 **UKNDL format**. (No longer used.)
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- (21) 4 86/9 **KEDAK-4**, the Karlsruhe evaluated neutron data library. Brief summary of contents and format -
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- 22 0 79/12 **PNESD** - Proton Nucleus Elastic Scattering Data, H. Leeb, Vienna, Jan. 1978. Edited by
N. DayDay
- (23) 3 89/12 **ENDF/B-4 General Purpose File** (1974). Summary of contents and documentation
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- (24) 2 84/7 **ENDF/B-5 (Rev.2) Dosimetry File** Contents and Documentation -
N. DayDay, H.D. Lemmel, V.G. Pronyaev.
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- (26) 2 82/10 **DAMSIG81** - ECN Radiation Damage Cross-Section Library.
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- 28 0 79/2 **RESPAR3** and **RESPAR3ED** Libraries, Resonance Parameters from BNL-325 (3rd ed. 1973)
C.S.A. da Silva, R. Paviotti Corcuera

[29 8 98/4 ENDF utility codes release 6.11](#) (173 KB, PDF) for evaluated nuclear data files in the formats ENDF-6 and ENDF-5, by

C.L. Dunford

Purpose: checking and maintenance of data files, retrieval of selected data and graphical plotting, et al.

[30 0 98/6 WinMerger](#) (120 KB, PDF), Visual Merging and Retrieval of Information from ENDF Format Libraries. Summary documentation

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(32) 2 81/12 NDS Multigroup Libraries. Contents, Summary & Documentation

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[33 0 98/6 IRSENDF.](#) (97 KB, PDF) Information Retrieval System for ENDF Format Libraries. Summary documentation

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34 2 84/7 EXFOR-V ("VIEN" file), IAEA Evaluated Nuclear Data File for Various International Evaluated Neutron data in EXFOR format

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35 0 81/8 WRENDA Input Guide

N. DayDay, D.W. Muir

36 0 81/9 SPOTS4: Group data library and computer code, preparing ENDF/B-4 data for input to LEOPARD

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37 0 81/2 ENSL and CDRL: Evaluated nuclear structure libraries

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38 1 84/7 ENDF/B-5 Activation File (Rev.2)

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Note: For the ENDF/B-6 Activation File see IAEA-NDS-100

[39 10 00/04 PREPRO2000 - The 2000 ENDF Pre-Processing Codes](#) (PDF, 335 KB) by D.E. Cullen.

40 0 82/1 ENSDF: Physics Processing Codes; A-chain evaluations; ENSDF Dictionary.

J.K. Tuli, M.R. Bhat, A. Lorenz

(41) 1 85/4 The International Reactor Dosimetry File. **IRDF-85, multigroup form**

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- (42) 1 84/7 **ENDF/B-5 Gas Production File (Rev.2)**
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- 43 0 81/12 Computerprogramme zur Bearbeitung der Wirkungsquerschnitts-Dateien **KASCO** und **KARDIF**.
H. Münzel, B. Neumann, H. Klewe-Nebenius, G. Pfennig
(KFK Primärbericht 10.02.11P04B, Kachapag. EXFOR programs, of internal interest only)
- (44) superseded
- 45 0 81/3 **Thresholds and Q-values of nuclear reactions** induced by neutrons, protons, deuterons, tritons, He-3 ions, alpha particles, and photons.
R.J. Howerton
Note: This is the full size introduction to the data file UCRL-50400 Vol. 24 available on microfiche
- 46 0 82/4 **EURLIB-LWR-45/16 and EURLIB-LWR-15/5**, two broad group libraries for LWR-shielding problems.
V. Herrnberger, Würenlingen
- 47 3 95/11 **Atomic Masses 1995**. The 1995 atomic mass evaluation by
G. Audi and A.H. Wapstra
- (48) superseded
- 49 0 82/6 **EURLIB-4**, summary documentation
H.D. Lemmel
- 50 0 86/11 **Fundamental Physical Constants**
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- [51 3 91/3 JNDC-FP2](#) (20 KB, PDF). The JNDC Nuclear Data Library of Fission Products, version 2, 1990
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- 52 1 90/9 **ENSDF Analysis Codes**
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- 53 2 87/12 **The ENDL Transmittal Format**. Brief Summary
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- 54 0 83/3 **ENDL-82**: The LLNL Evaluated Neutron Data Library of 1982. Summary of Contents.
H.D. Lemmel
- 55 0 83/3 **ACTL-82**: The LLNL Evaluated Neutron Activation Cross-Section Library of 1982
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- 56 1 87/12 **ECPL-86**: The LLNL Evaluated Charged-Particle Data Library of 1986
H.D. Lemmel

57 0 83/3 **INDL/F**: Evaluated Neutron Reaction Data Library for INTOR Fusion Neutronics Calculations (1983 version)
V.G. Pronyaev, D.E. Cullen, P.K. McLaughlin

58 5 01/9 **"EN6-PHOTO" and "JEF-2/PHOTO" Photo-Atomic Interaction Data Library** (15 KB, PDF) by the Lawrence Livermore National Laboratory, USA.

Summary documentation by H.D. Lemmel

Note: Same data library but extending up to 100 GeV see IAEA-NDS-158.

Note: An earlier version of this library was the LLL RSIC Photon Interaction Library of 1983 which was included in ENDF/B-5 and JEF-1.

59 1 85/9 **NNDC Evaluated Charged Particle Reaction**. Data Library (1975)

S. Pearlstein. (Abstract H.D. Lemmel)

60 0 81/12 **UKHEDD-1**. Radioactive heavy element decay data for reactor calculations in ENDF/B-4 format.

A.L. Nichols, M.F. James

61 3 96/1 **CENDL-2** (293 KB, PDF), Chinese Evaluated Nuclear Data Library by the China Nuclear Data Center, updated and supplemented in 1995.

Summary documentation by
Liang Qichang and H.D. Lemmel

62 0 85/10 **ENDF/B-5 Fission Product Yields**.

Summary documentation of contents and format by
O. Schwerer

(63) superseded

64 0 86/1 **GRINTACS**. Thermal neutron activation cross-sections and resonance integrals.

E. Gryntakis. (H.D. Lemmel, ed.)

(65) superseded

66 0 85/6 **EXFOR-INDEX**
Current index to the EXFOR data library

M.M. Seits

Note: This EXFOR index is no longer available due to conversion to a different computer.

67 0 86/8 **RCN-3** - Evaluated Fission-Product Cross- Section Library by H. Gruppelaar, ECN Netherlands, 1982.

H.D. Lemmel (ed.)

68 0 86/8 **RCN-2.CP** - Evaluated Neutron Cross-Section Library for 13 corrosion products, cover-gas nuclides and other nuclides in the primary cooling circuit of a fast power reactor, by H. Gruppelaar et al., ECN Netherlands, 1982.

H.D. Lemmel (ed.)

(69) superseded

(70) superseded

71 0 96/11 **ADLIST**. Notes on C.L. Dunford's Address List System.

H.D. Lemmel, A. Scherbaum

72 0 94/11 "**BNL325 Nuclear Reaction Data Display Program**" - for graphical display of EXFOR and ENDF data under VMS.

C.L. Dunford

73 0 86/9 **ENDF-5 Formats Manual**, Revised update pages of Nov. 1983

B.A. Magurno, "BNL-NCS-50496 [ENDF-102], 2nd Edition Revised, Nov. 1983"

74 0 84/5 **ENDF-4 Formats Manual**

Reprint of D. Garber et al., "BNL-NCS-50496 [ENDF-102], Oct. 1975"

75 1 86/9 **ENDF-5 Formats Manual 1984**

Reprint of R. Kinsey, "BNL-NCS-50496 [ENDF-102] 2nd Edition, Oct. 1979" including the revision by B.A. Magurno, "2nd Edition Revised, Nov. 1983"

76 6 01/4 **ENDF-6 Formats Manual.**

Reprint of V. McLane (ed.), US National Nuclear Data Center, [BNL-NCS-44945-01/04-Rev., ENDF-102](#), Data formats and procedures for the evaluated nuclear data file ENDF-6, July 1990, with revisions up to April 2001, with some introductory pages added by IAEA NDS.

[77 0 3/01 **ENDVER - The ENDF File Verification Support Package**](#)
(16 KB, PDF),

by A. Trkov

78 0 88/3 **Codes CONV45 and CONV56 for a PC.**

V. Goulo (Converting ENDF-4 to ENDF-5 and ENDF-5 to ENDF-6).

D.E. Cullen, Sept. 1986, Rev. 1 June 1987

[79 2 3/01 **Program PLOT4**](#) (354 KB, PDF). (Version 2001-3).

Plots EXFOR data in a computation format with or without ENDF formatted data. (Note: PLOT4 does not plot ENDF formatted data alone!)

[80 1 3/01 **Program X4TOC4**](#) (238 KB, PDF) (Version 2001-3).

Converts nuclear data from EXFOR format to a computation format.

D.E. Cullen, Sept. 1986

81 0 87/5 **Computation format computer codes X4TOC4 and PLOT4**: Implementing and testing on a Personal Computer.

P.K. McLaughlin, May 1987

82 0 87/6 **Program PLOTTAB**. General plotting program.

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83 0 87/6 **Implementing and testing program PLOTTAB**.

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- 84** 0 87/7 **LINTAB, HEATER and PLOTTAB code package** Computer codes for model parameters and cross-section data.
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- 85** 0 87/7 **Implementing and testing the LINTAB, HEATER and PLOTTAB code package.**
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- 86** 0 87/11 **GRAZ-87.** A data library for evaluated cross-sections and reaction rates of charged particle reactions with light elements. Z=1 to 5, by R. Feldbacher, Technical University of Graz, Austria.
K. Okamoto (ed.)
- 87** 6 01/1 **[DROSG-2000: Neutron source reactions](#)** (73 KB) Data files with computer codes for 57 accelerator-based neutron source reactions, Version 2.0, by M. Drosig. Available [online](#) or on diskette. Supersedes earlier version DROSG-96.
- 88** 4 02/2 **[ENDF/B-6 Standards Library 1987](#)** (15 KB, PDF), by the U.S. National Nuclear Data Center. Summary of contents and documentation, with hyperlinks to the data.
H.D. Lemmel, P.K. McLaughlin
- 89** 0 87/11 **XCOM:** Photon cross-sections on a PC, version 1.2 of 87/5/9,
by M.J. Berger and J.H. Hubbell. (H.D. Lemmel ed.)
- 90** 8 94/1 **[BROND-2.2](#)** (105 KB, PDF): USSR evaluated neutron data library of 1992 in ENDF-6 format, with revisions of 1993.
V.N. Manokhin, A.I. Blokhin et al. (H.D. Lemmel ed.)
- 91** 0 87/10 **[Chinese evaluated fission-product yield library](#)** (852 KB, PDF), 1987.
Wang Dao, Zhang Dongming, (H.D. Lemmel, ed.)
- 92** 0 90/8 **WIMKAL-88.** The 1988 version of the WIMS-KAERI Library.
Summary of contents - Jung-Do Kim
- 93** 0 88/5 **ALICE-87** (Livermore), precompound nuclear model code, version for PC.
M. Blann, D.E. Cullen, V. Goulo
Note: A more recent version is ALICE-91 which should be requested from the NEA Data Bank.
- 94** 0 88/5 **ICAR**-code for combinatorial calculations of level densities, version for PC.
G. Reffo, M.W. Herman, V. Goulo
- 95** 0 88/5 **EMPIRE**, pre-equilibrium/compound nuclear model code, version for PC.
A. Marcinkowski, V. Goulo
- 96** 0 89/10 **ACTIV87** - Fast neutron activation cross-section file by V.N. Manokhin et al., for 206 neutron-induced threshold reactions, in ENDF-5 format, up to 20 MeV.

O. Schwerer (ed.)

Graphical plots see IAEA Tech. Rep. 273 Handbook on Nuclear Activation Data (1987) pp. 305-411.

97 1 90/9 ENDF/B-6 TSL1:The ENDF/B-6 Thermal Neutron Scattering Law Library of 1990 by General Atomic.

Summary documentation by V. Goulo, H.D. Lemmel
Most of this library (though not all) superseded by "Release 2" of the ENDF/B-6 Thermal Neutron Scattering Sublibrary by R.E. MacFarlane, see IAEA-NDS-197.

98 1 87/12 Cf-252 neutron spectrum. The californium-252 spontaneous fission neutron spectrum evaluated by
W. Mannhart, PTB Braunschweig. (H.D. Lemmel, ed.)

99 0 88/1 STAPRE, statistical pre-equilibrium code, and **SCAT2,** optical nuclear model code, version for PC.
V. Goulo

[100 11 01/11 ENDF/B-6.](#) (85 KB, PDF) The U.S. evaluated nuclear data library for neutron reaction data, 1990, including revisions up to November 2001 (Last release of ENDF/B-VI)
Summary of contents - H.D. Lemmel, P.K. McLaughlin, V.G. Pronyaev

101 0 91/2 ANDEX, a PC software assisting the nuclear data compilation in EXFOR.
V. Osorio

102 0 92/4 BRADY. Fission-product yield and fission-neutron data for minor actinides. Data files on PC diskettes
by M.C. Brady, R.Q. Wright, T.R. England, 1989/1991.
Description of the PC diskettes
by H.D. Lemmel

103 89-1 89/9 EXFOR Manual
V. McLane, US National Nuclear Data Center.
See also IAEA-NDS-3

104 1 95/7 ENSDF. The evaluated nuclear structure data file maintained by the U.S. National Nuclear Data Center.
H.D. Lemmel (ed.)

[105 3 00/6 ENDF/B-6 charged-particle sublibraries](#) (17 KB, PDF), 1999 version,
by D. Dodder, G. Hale, LANL, and R.M. White, D.A. Resler, LLNL. Additions by G.M. Hale, M. Drog, M.B. Chadwick and P.G. Young, LLNL
This document summarizes the ENDF/B-6 sublibraries for nuclear reaction data of protons, deuterons and tritons.
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[106 3 95/6 ENDF/B-6 FPY](#) (17 KB, PDF), The ENDF/B-6 fission-product yield sublibraries,
by T.R. England and B.F. Rider, by NNDC 1991, including revisions up to May 1995. Two parts: one for neutron-induced fission, another for spontaneous fission.
Summary by H.D. Lemmel

[107 12 01/1 Index to BROND-2.2, CENDL-2.1, ENDF/B-6, JEF-2.2, JENDL-3.2, IRDF, EFF-2.4 and FENDL/E](#) (154 KB, PDF).

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[108 0 92/8 ENDF/B-6 decay data library](#) (12 KB, PDF).

Summary by H.D. Lemmel

109 90/2 90/2 CINDA Manual

S. Webster, NEA Data Bank

[110 5 94/8 JENDL-3.2](#) (430 KB, PDF). The Japanese evaluated neutron data library. Update 1994.

Summary of contents H.D. Lemmel (ed.)

111 2 94/9 "Strong gammas". List of strong gamma-rays emitted from radionuclides. Documentation of the PC diskette.

T. Ichimiya, T. Narita and K. Kitao,
(report JAERI-M-94-059).

112 2 94/10 "XG-Standards". A PC programme by Hartmut Lemmel presenting the "X-Ray and Gamma-Ray Standards for Detector Calibration" published in IAEA-TECDOC-619 by an IAEA Co-ordinated Research Project 1986-1990.

H.D. Lemmel (ed.)

[113 2 97/3 ENDF/B-6 high-energy data library.](#) (10 KB, PDF)

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115 0 89/4 Lone: Prompt gamma rays from thermal-neutron capture.

M.A. Lone et al. (H.D. Lemmel, ed.)

116 0 89/4 Tuli: Thermal-neutron capture gamma-rays.

J.K. Tuli (H.D. Lemmel, ed.)

117 0 90/5 GAMCAT. Gamma and alpha rays from radioactive decay. Fachinformationszentrum Karlsruhe. Note: GAMCAT is for sale by FIZ; it is not available from IAEA.

118 0 89/8 ENSGAM89. The ENSDF Radioactivity Database for IBM-PC and Computer Network Access.

P. Ekström, L. Spanier. Lund University

119 0 90/7 NJOY: A comprehensive system for the processing of ENDF formatted nuclear data. (A summary description of NJOY.)

D.W. Muir

[120 3 96/2 JEF-2.2](#) (610 KB, PDF). The evaluated neutron nuclear data library of the NEA Data Bank.

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[121 1 94/9 JEF-2 thermal neutron scattering law data](#) (78 KB, PDF)

by J. Keinert and M. Mattes.

Brief summary of contents.

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[122 1 94/9 JEF-2 radioactive decay data library by the NEA Data Bank](#) (34 KB, PDF).

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H.D. Lemmel

[123 1 94/9 JEF-2 fission product yield data library by the NEA Data Bank](#) (66 KB, PDF).

Brief summary of contents.
H.D. Lemmel

124 0 91/4 **UKFY2**, the UK Fission Product Yield Library, version 2, 1991.

Summary documentation by M. Lammer

125 0 90/11 **UENDL/NAA**, the USSR evaluated nuclear data library for neutron activation analysis by V.M. Bychkov et al.

Summary documentation by A.B. Pashchenko

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127 0 93/11 **INGDB-90**. The international neutron nuclear data base for geophysics applications. Database and documentation assembled by

N.P. Kocherov, P.K. McLaughlin

128 2 96/2 **FENDL/E**. Evaluated nuclear data library of neutron nuclear interaction cross-sections and photon production cross-sections and photon-atom interaction cross-sections for fusion applications. Version 1.1 of Nov. 1994.

A.B. Pashchenko, H. Wienke, S. Ganesan, P.K. McLaughlin

129 3 96/2 **FENDL/MG**. Library of multigroup cross-sections in GENDF and MATXS format for neutron-photon transport calculations, version 1.1 of March 1995, generated by R.E. MacFarlane by processing FENDL/E1.1.

Summary documentation by A.B. Pashchenko, H. Wienke and S. Ganesan.

130 0 91/4 **PEND-B6**. Cross-section data files derived from ENDF/B-6 resonance-parameter data files.

S. Ganesan, D.W. Muir, P.K. McLaughlin

131 0 92/1 **INDXENDF**, a PC code for indexing nuclear data files in ENDF-6 format,

by R. Paviotti Corcuera et al.

Summary documentation by H.D. Lemmel

132 0 93/11 **ENDF/B-6 decay data**

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133 0 93/11 **ASIYAD**, a fission-product yield data library by A.F. Grashin et al. in ENDF/B6 format.

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134 0 93/3 **UKPADD-2**: UK Activation product decay data files.

A.L. Nichols

- 135** 0 94/9 **IDGAM**: A PC code and database to help nuclide identification in activation analysis.
R. Paviotti Corcuera, M. de Moraes Cunha, K.A. Jayanthi
- 136** 1 95/7 **MENDL-2** (HTML, 17 KB): Neutron reaction data library for nuclear activation and transmutation at intermediate energies,
by Yu.N. Shubin et al.
Summary documentation by H.D. Lemmel
- 137** 2 95/7 **ADL-3**. Neutron activation data library
by O.T. Grudzevich, A.V. Zeleneckij, A.V. Ignatjuk, A.B. Pashchenko.
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- 138** 0 94/7 **JENDL-3.2/FPY, the JENDL-3.2 fission-product yield data library** (65 KB, PDF), compiled
by T. Nakagawa (JAERI).
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- 139** 0 93/1 **JENDL-3 gas production** (106 KB, PDF): the data library of neutron induced gas production reactions extracted from the JENDL-3 library.
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- 140** 0 93/1 **JENDL-3 dosimetry** (132 KB, PDF): the JENDL-3 sublibrary for reactor neutron dosimetry by foil activation,
by M. Nakazawa et al.
Brief summary of contents (H.D. Lemmel, H. Wienke)
- 141** 4 99/3 **IRDF-90** (PDF, 21 KB), the International Reactor Dosimetry File, Version 2 of 1993. Recommended values of neutron activation cross-sections with covariance information for selected materials used for reactor neutron dosimetry by foil activation. Also selected radiation damage cross-sections and benchmark neutron spectra.
Summary documentation N.P. Kocherov,
P.K. McLaughlin
- 142** 0 92/6 **PRONDOS**, evaluations of some selected neutron activation reactions for dosimetry,
by V.G. Pronjaev et al. 1988/1989.
Summary by H.D. Lemmel
- 143** 0 95/3 **WIND**. Evaluated neutron cross-section data up to 100 MeV for incineration of actinides. With one data file of proton-induced reactions for U-238.
By A.Yu. Konobeyev et al., FEI Obninsk.
- 144** 0 93/12 **ESTAR, PSTAR, ASTAR**, a PC package for calculating stopping powers and ranges of electrons, protons and helium ions. Version 2.
M.J. Berger
- 145** 1 95/5 **GDR - Giant Dipole Resonance Parameters for gamma rays**. A data file by
S.S. Dietrich and B.L. Berman, USA, compiled on PC

diskette by the China Nuclear Data Center.

Summary documentation A.B. Pashchenko

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Summary by H.D. Lemmel

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A.B. Pashchenko, P.K. McLaughlin.

11000 neutron activation reactions on 636 target nuclides.

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D.E. Cullen

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User's Manual of the online service offered by the U.S. National Nuclear Data Center (NNDC) of the Brookhaven National Laboratory, and by the IAEA Nuclear Data Section, on their major nuclear data libraries and related information.

C.L. Dunford, T.W. Burrows

151 0 94/2 **ERES**, a PC code for the compilation of experimental nuclear reaction data in EXFOR format.

Li Shubing, Liang Qichang, Liu Tingjin

152 0 94/9 **WIMSD Nb Bi**: WIMSD data for Nb and Bi derived from ENDF/B-6.1, JEF-2.2 and JENDL-3.2.

Jung-Do Kim, Choong-Sup Gil

153 0 02/2 [Theoretical evaluation of Neutron and Proton Induced Fission Cross-Sections for Pb - Pu Targets in Energy Range 20 - 200 MeV](#) (180 KB, PDF), by S. Yavshits. Contains hyperlink to numerical data (9 proton-induced and 12 neutron-induced evaluated cross sections in ENDF-6 format).

(154) not assigned

155 0 94/9 **ENDF/B-5, the "ENDF/B-5 General Purpose File"** by the U.S. National Nuclear Data Center. Table of Contents. Note: Superseded by ENDF/B-6, see document IAEA-NDS-100.

156 0 94/9 **EADL**: Evaluated atomic data library of LLNL, USA, by S.T. Perkins, D.E. Cullen, M.H. Chen, J.H. Hubbel, J. Rathkopf, J. Scofield. Contents: Atomic subshell and relaxation data, fluorescence yields, binding energies, transition probabilities, etc.

H.D. Lemmel (ed.)

157 0 94/9 **EEDL**: Evaluated electron data library of LLNL, USA, by S.T. Perkins, D.E. Cullen, S.M. Seltzer.

Contents: Electron-atom interaction cross-sections and related

parameters, for all elements.
H.D. Lemmel (ed.)

158 0 94/9 **EPDL**: Evaluated photon data library of LLNL, USA,
by D.E. Cullen, M.H. Chen, J.H. Hubbell, S.T.
Perkins, E.F. Plechaty, J.A. Rathkopf, J.H. Scofield.
Contents: Photo-atomic cross-sections from 10 eV to 100 GeV and
related parameters, photoelectric cross-sections for each
shell, etc.

H.D. Lemmel (ed.)

Note: An extract from this library up to 100 MeV was prepared
for ENDF/B-6 and JEF-2; see IAEA-NDS-58.

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S.T. Perkins, D.E. Cullen.

ENDL type formats for EADL, EEDL, EPDL.

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This PC package primarily displays nuclear decay data from
ENSDF/NUDAT.

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Robert R. Kinsey.

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(PDF, 127 KB) evaluated

by I. Angeli, Debrecen, Hungary, 1999

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Am, Cm and Pu isotopes,

by V. Maslov et al, Minsk, Belarus.

Summary documentation by H.D. Lemmel and O.

Schwerer

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fusion applications. Version 1 of Nov. 1991. Includes:
D(d,n), D(d,p), T(d,n), T(t,2n), HE-3(d,p). Extracted from ENDF/B-
6 and processed

by R.M. White and D.A. Resler.

Summary documentation by A.B. Pashchenko

167 0 95/1 **FENDL/D**. Decay data library for fusion (and other)
applications. Version 1 of Jan. 1992. Prepared for use with
the neutron activation data library FENDL/A.

Summary documentation by A.B. Pashchenko

168 3 96/2 **FENDL/A-MCNP and FENDL/A-VITJ E**, the processed
neutron activation cross-section data files for the FENDL
project, generated

by F.M. Mann et al.

Summary documentation by A.B. Pashchenko, H.

Wienke, S. Ganesan

- 169** 3 96/2 **FENDL/MC**. Neutron cross-section libraries for neutron-photon transport calculations, version 1.1 of March 1995, derived from FENDL/E-1.1
by R.E. MacFarlane for use by the Monte Carlo code MCNP4A.
Summary documentation: A.B. Pashchenko, H. Wienke, S. Ganesan
- 170** 0 95/6 **EFF-2.4**, the European Fusion File, 1994, including revisions up to May 1995.
H. Gruppelaar, for the European Fusion Programme.
Summary documentation by H.D. Lemmel
- 171** 1 99/1 **Neutron Metrology File NMF-90** (PDF, 34 KB), an integrated database and software package for neutron spectrum adjustment and radiation damage calculations on PC.
E.M. Zsolnay, E.J. Szondi, H.J. Nolthenius .
- 172** 0 96/10 **"Kondrashov Gammas"**. PC database for gamma-rays from radionuclides,
by V. Kondrashov, for use with the code DIMEN.
Summary documentation by H.D. Lemmel
- 173** 0 97/3 **FENDL/A-2.0** (HTML, 110 KB). Neutron Activation Cross Section Data Library for Fusion Applications, version of March 1996. Contains cross section data for 13006 activation reactions for 739 target nuclides from H-1 to Cm-248.
Summary documentation by A.B. Pashchenko, H. Wienke, J. Kopecky, J.-Ch. Sublet and R.A. Forrest
- 174** 0 97/3 **FENDL2/A-MCNP, FENDL2/A-VITJ E and FENDL2/A-VITJ FLAT** (HTML, 16 KB). The processed FENDL-2 neutron activation cross-section data files.
Summary documentation A.B. Pashchenko, H. Wienke
- 175** 1 98/6 **FENDL/E-2.0** (HTML, 61 KB). Evaluated nuclear data library of neutron-nucleus interaction cross sections, photon production cross sections and photon-atom interaction cross sections for fusion applications.
Summary documentation A.B. Pashchenko, H. Wienke
- 176** 0 98/4 **FENDL/MG-2.0 and FENDL/MC-2.0** (HTML, 186 KB). The processed cross-section libraries for neutron-photon transport calculations.
Summary documentation M. Herman and H. Wienke
- 177** 0 97/3 **FENDL/C-2.0** (PDF, 28 KB). Charged-particle reaction data library for fusion applications. Version of March 1997. Data extracted from ENDF/B-6 evaluations
by R.M. White and D.A. Resler, LLNL, and G.M. Hale, LANL.
Summary documentation A.B. Pashchenko, H. Wienke
- 178** 0 97/3 **FENDL/D-2.0** (HTML, 13 KB). Decay data library for fusion applications. Version of June 1996.
Prepared by R.A. Forrest and processed by F.M. Mann.
Summary documentation A.B. Pashchenko, H. Wienke

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[192 0 99/9 TLAPrfl: Package for Calculation of Depth Profile for Thin Layer Activation](#) (PDF, 15 KB, with hyperlink for downloading compressed code package) by G. Wallace. Summary of contents by V.G. Pronyaev.

[193 0 99/3 RRDF-98. Russian Reactor Dosimetry File](#) (HTML with links to TXT and PDF files) by K.I. Zolotarev, A.V. Ignatyuk, V.N. Maonkhin, A.B. Pashchenko.
Summary documentation by A.B. Pashchenko

[194 0 99/2 Program EPICSHOW](#) (PDF, 86 KB) A Computer Code to Allow Interactive Viewing EPIC Data Libraries (Version 98-1), by D.E. Cullen.
Summary documentation by V.G. Pronyaev, P.K. McLaughlin

[195 0 98/8 XMudat: Photon attenuation data on PC](#) (HTML, 9 KB) by R. Nowotny, Univ. Vienna

[196 1 01/11 EPDL97: The Evaluated Photon Data Library, '97 version](#) (PDF, 28 KB) by D.E. Cullen, J.H. Hubbell, L. Kissel, LLNL (USA)

[197 0 95/6 ENDF/B-6 TSL Release 2](#) (17 KB, PDF): The ENDF/B-6 thermal neutron scattering law library, release 2 of May 1995, by R.E MacFarlane, LANL, released by NNDC.
Summary documentation by H.D. Lemmel.
Supersedes the earlier version documented in IAEA-NDS-97 which, however, includes some more materials not included in the present file.

[198 0 01/2 POINT2000](#) (72 KB, PDF): A temperature-dependent ENDF/B-VI, Release 7, Cross Section Library, by D.E. Cullen.
Summary documentation by P. McLaughlin

[199 1 02/3 The FOND-2.2 Evaluated Neutron Data Library](#) (125 KB, PDF): Russian library of evaluated neutron data files for generating sets of constants in the ABBN constants system, by V.N. Koscheev, M.N. Nikolaev, A.M. Tsiboulia, G.V. Savoskina. Data were selected from various Russian and foreign libraries. Contains hyperlinks to data files for 679 materials in ENDF-6 format.

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[201 0 97/3 NRABASE 2.0](#). Charged-particle nuclear reaction data for ion beam analysis.
By A.F. Gurbich, Obninsk, Russia

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by Yu.A. Korovin et al., Obninsk, Russia.
This library contains hydrogen, helium-3 and helium-4 production cross sections as well as nonelastic and total displacement cross sections for neutrons in the energy range from threshold to 1 GeV, for 259 isotopes from Al-27 to Bi-209.

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Calculated proton cross sections in ENDF-6 format for 505 nuclei (Z=13-84) for energies up to 200 MeV.

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248 97/12 97/12 **SGNucDat Version 2**. Safeguards Nuclear Data for Windows. A: actinide nuclear data (decay data, selected neutron cross-section data, fission-neutron data); B: fission-product nuclear data (decay data and selected neutron cross-section data); C: fission-product yield data. - PC code
by G. Pospischil (1996)
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B. Keyword Index

Note: The numbers refer to the document numbers of the IAEA-NDS-series which are explained in part A.

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