



INTERNATIONAL ATOMIC ENERGY AGENCY

NUCLEAR DATA SERVICES

DOCUMENTATION SERIES OF THE IAEA NUCLEAR DATA SECTION

IAEA-NDS-0025
Rev. 2

ENDF/B-5

Fission Products Library
Revision 2

Summary Documentation

Abstract

This document summarizes contents and documentation of the 1984 version of the Fission Products Nuclear Data File of the ENDF/B-5 Library (Rev. 2) maintained by the National Nuclear Data Center (NNDC) at the Brookhaven National Laboratory, USA. This file contains numerical neutron reaction data and decay data for 877 fission product nuclides. The entire file or selective retrievals from it can be obtained on magnetic tape from the IAEA Nuclear Data Section.

O. Schwerer, V.G. Pronyaev, H.D. Lemmel
October 1981, Revised July 1984

Revised by P.K. McLaughlin IAEA/NDS Jan. 2005

The file was revised to conform with ENDF/B format standards. The merged file was corrected for format errors and processed through the code CHECKR to ensure, as far as possible, format compatibility.

Nuclear Data Section
International Atomic Energy Agency
P.O. Box 100
A-1400 Vienna
Austria

e-mail: services@iaeand.iaea.org
fax: (43-1) 26007
cable: INATOM VIENNA
telex: 1-12645
telephone: (43-1) 2600-21710
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.

96/11

Citation guideline:

ENDF/B-5
Fission Products Library
Revision 2

Contents of present document:

I. Introduction

II. Index of the 28 fission product evaluations from
ENDF/B-5 General Purpose File, ("EN5-FP1")

III. Index of the 877 materials ("EN5.2-FP2")

I. INTRODUCTION

The fission products part of the ENDF/B-5 Library includes neutron reaction data (cross sections and various differential data) and decay data for 877 nuclides. The data available from the IAEA Nuclear Data Section are given in 2 separate files:

- 1) 28 fission product nuclides from the ENDF/B-5 General Purpose File. These are complete evaluations of all relevant neutron-induced reactions plus some decay data. This file will be abbreviated in this document by 'EN5-FP1'.
- 2) the ENDF/B-5 Fission Product File consisting of 877 nuclides (metastable states are counted as different nuclides). For these, some neutron reaction data (but no complete evaluations) and/or decay data are given. Of this file, four materials containing decay data only, were revised; the revisions were distributed in March 1984. These revised materials are MAT 9279 (42-Mo-93g), 9607 (53-I-128g), 9869 (66-Dy-165g), 9870 (66-Dy-165m). This file, updated by these four materials, is referred to in this document as 'EN5.2-FP2'.

The differences between the two files 'EN5-FP1' and 'EN5.2-FP2' are summarized on the table on the following page. Note, that the 28 nuclides, of 'EN5-FP1' are also included in 'EN5.2-FP2', but with different data-types.

For 13 isotopes of Zr, Ba, Gd, Dy no data are available in either of the two files.

Available: Both parts of the ENDF/B-5 Fission Products Library are available

- in the original form containing resonance-parameters where applicable;
- in "RECENT output" form, where NDS converted resonance-parameters to cross-section data;
- in "edited" form convenient for reading of listings but not suitable for computer processing.

ENDF/B-5 (Rev. 2) Fission Product Data
Main features of the 2 sub-files EN5-FP1 and EN5-FP2

	EN5-FP1	EN5.2-FP2
Official Name of File	General Purpose Fission Product Data (from ENDF/B-V General Purpose File)	ENDF/B-V Fission Product File
Date of distribution	April 1979	Original version July 1980, Rev. 2 March 1984
No. of materials	28	877 MAT numbers, for 34 of them no data are given
Contents	Complete evaluations of all relevant n-induced reactions. For 6 materials, also decay data are given	Some cross sections (& differential data) and/or decay data
MAT. NO.s	4 digits, starting with 1	4 digits, starting with 9
Common materials:	All 28 materials from EN5-FP1 occur also in EN5.2-FP2, but with different (and uncorrelated) MAT numbers	
Materials common to General Purpose File: Contents		No cross sections. For 21 materials given in EN5-FP1, only a reference to EN5-FP1 is given. For the 6 materials having decay data in EN5-FP1 plus one additional material decay data are given. *)
Total no. of records	31486	105 140
ENDF tape nos.	509, 510	541-546 (July 1980) 566 (March 1984 modifications)
Documentation	ENDF-201, 3rd ed. (July 1979). Extensive documentation at the beginning of each material.	Short documentation at the beginning of each material

*) To further 13 materials, not included in EN5-FP1, only a reference to EN5-GP (unavailable to NDS) is given. (Zr, Ba, Gd, Dy Isotopes)

ENDF/B format

A complete description of the ENDF/B format, including all physical definitions required for the processing of more complicated data types (e.g. differential data) is given in the report BNL-NCS-50496 (ENDF-102)

- 2nd edition (Oct. 1975) for ENDF/B-4
- 3rd edition (1980) for ENDF/B-5.

For quick reference of the ENDF/B format (File Numbers and Reaction Type Numbers of the most important data types) see the document IAEA-NDS-10.

Note: Listings of all ENDF/B format data can also be requested in "edited format". Such listings provide all necessary quantity headings, units, etc. and are self-explanatory.

II. Description of the 28 fission product evaluations from ENDF/B-5 General Purpose File (EN5-FP1)

extracted from the report BNL-NCS-17541 (ENDF-201)t 'ENDF/B Summary Documentation 3rd edition July 1979 compiled by R. Kinsey.

Key to lab codes

BNL Brookhaven National Laboratory, USA
 ANL -Argonne National Laboratory, USA
 LLL -Lawrence Livermore Laboratory, USA
 BAW -Babcock and Willcox, USA
 HEDL- Hanford Engineering and Development Laboratory, USA
 INEL- Idaho Nuclear Engineering Laboratory, USA
 RCN -Netherlands Energy Research Foundation, Netherlands

Z	El	A	MAT No.	Lab	Date of evaluation or last re-evaluation	Author
36	Kr	78	1330	BNL	Dec78	A. Prince
36	Kr	80	1331	BNL	Dec78	A. Prince
36	Kr	82	1332	BNL	Dec78	A. Prince
36	Kr	83	1333	BNL	Dec78	A. Prince
36	Kr	84	1334	BNL	Apr78	A. Prince
36	Kr	86	1336	BNL	Jun75	A. Prince
41	Nb	93	1189	ANL,LLL	May74	R. Howerton(LL) and A. Smith
43	Tc	99	1308	HEDL,BAW	Nov78	Schenter,Livolsi,Schmittroth et al.
45	Rh	103	1310	HEDL,BAW	Nov78	Schenter,Livolsi,Schmittroth et al.
47	Ag	107	1371	HEDL,BNL	Nov78	Schenter,Bhat,Prince,Johnsont et al.
47	Ag	109	1373	HEDL,BNL	Nov78	Schenter,Bhat,Prince,Johnsont et al.
48	Cd	113	1318	BNL,HEDL	Nov78	Pearlstein,Mann,Schenter
54	Xe	124	1335	BNL	Mar78	M.R.Bhat and S.F. Mughabghab
54	Xe	126	1339	BNL	Mar78	M.R.Bhat and S.F. Mughabghab
54	Xe	128	1348	BNL	Mar78	M.R.Bhat and S.F. Mughabghab
54	Xe	129	1349	BNL	Mar78	M.R.Bhat and S.F. Mughabghab
54	Xe	130	1350	BNL	Mar78	M.R.Bhat and S.F. Mughabghab
54	Xe	131	1351	BNL	Mar78	M.R.Bhat and S.F. Mughabghab
54	Xe	132	1352	BNL	Mar78	M.R.Bhat and S.F. Mughabghab
54	Xe	134	1354	BNL	Mar78	M.R.Bhat and S.F. Mughabghab
54	Xe	135	1294	BNW	May75	B.R.Leonard,Jr. and K.B.Stewart
54	Xe	136	1356	BNL	Mar78	M.R.Bhat and S.F. Mughabghab
55	Cs	133	1355	HEDL,BNL	Nov78	Schenter,Bhat,Prince,Johnsont et al.
62	Sm	149	1319	HEDL,BNW	Nov78	Schenter,Leonard,Stewart, et al.
63	Eu	151	1357	BNL	Dec77	S.F. Mughabghab
63	Eu	152	1292	BNL	Jun75	H. Takahashi
63	Eu	153	1359	BNL	Feb78	S.F. Mughabghab
63	Eu	154	1293	BNL	Jun75	H. Takahashi

III. Index of the 877 materials included in the file EN5.2-FP2

Key to lab codes (see page 4).

The "DATE" given in col. 5 is the date of evaluation or last revision as extracted from the file by computer. (Note that the date of the last revision was apparently not updated in some cases; compare last column).

Only data for materials with MAT=9279 (42-Mo-93g), 9607 (53-I-128g), 9869 (99-Dy-165g), 9870 (66-Dy-165m) and containing decay data were revised.

Z E 1 A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
27-Co-72g	9001	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
27-Co-73g	9002	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
27-Co-74g	9003	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
27-Co-75g	9004	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
28-Ni-72g	9005	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
28-Ni-73g	9006	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
28-Ni-74g	9007	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
28-Ni-75g	9008	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
28-Ni-76g	9009	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
28-Ni-77g	9010	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
28-Ni-78g	9011	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-72g	9012	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-73g	9013	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-74g	9014	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-75g	9015	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-76g	9016	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-77g	9017	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-78g	9018	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-79g	9019	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-80g	9020	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
29-Cu-81g	9021	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-72g	9022	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-73g	9023	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-74g	9024	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-75g	9025	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-76g	9026	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-77g	9027	Decay data only	INEL	DEC79	C. REICH
30-Zn-78g	9028	Decay data only	INEL	DEC79	C. REICH
30-Zn-79g	9029	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-80g	9030	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-81g	9031	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-82g	9032	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
30-Zn-83g	9033	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
31-Ga-72g	9034	Decay data only	INEL	DEC79	C. REICH
31-Ga-72m	9035	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
31-Ga-73g	9036	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
31-Ga-74g	9037	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
31-Ga-74m	9038	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
31-Ga-75g	9039	Decay data only	INEL	DEC79	C. REICH
31-Ga-76g	9040	Decay data only	INEL	DEC79	C. REICH
31-Ga-77g	9041	Decay data only	INEL	DEC79	C. REICH
31-Ga-78g	9042	Decay data only	INEL	DEC79	C. REICH
31-Ga-79g	9043	Decay data only	INEL	DEC79	C. REICH
31-Ga-80g	9044	Decay data only	INEL	DEC79	C. REICH
31-Ga-81g	9045	Decay data only	INEL	DEC79	C. REICH
31-Ga-82g	9046	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
31-Ga-83g	9047	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
31-Ga-84g	9048	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
31-Ga-85g	9049	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-72g	9050	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHEINER AND F. SCHMITTROTH
32-Ge-73g	9051	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHEINER AND F. SCHMITTROTH
32-Ge-74g	9052	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-74g	9053	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHEINER AND F. SCHMITTROTH
32-Ge-75g	9054	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-75m	9055	Decay data only	INEL	DEC79	C. REICH
32-Ge-76g	9056	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHEINER AND F. SCHMITTROTH
32-Ge-77g	9057	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-77m	9058	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-78g	9059	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH

Z E T A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
32-Ge-79g	9060	Decay data only	INEL	DEC79	C. REICH
32-Ge-79m	9061	Decay data only	INEL	DEC79	C. REICH
32-Ge-80g	9062	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-81g	9063	Decay data only	INEL	DEC79	C. REICH
32-Ge-82g	9064	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-83g	9065	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-84g	9066	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-85g	9067	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-86g	9068	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-87g	9069	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-88g	9070	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
32-Ge-89g	9071	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
33-As-75g	9072	Decay data only	INEL	DEC79	C. REICH
33-As-76g	9073	Decay data only	INEL	DEC79	C. REICH
33-As-77g	9074	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-78g	9075	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-79g	9076	Decay data only	INEL	DEC79	C. REICH
33-As-80g	9077	Decay data only	INEL	DEC79	C. REICH
33-As-81g	9078	Decay data only	INEL	DEC79	C. REICH
33-As-82g	9079	Decay data only	INEL	DEC79	C. REICH
33-As-82m	9079	Decay data only	INEL	DEC79	C. REICH
33-As-83g	9080	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-84g	9081	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-84m	9082	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-85g	9083	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-86g	9084	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-87g	9085	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-88g	9086	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-89g	9087	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
33-As-90g	9088	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-74g	9089	Neutron cross sections only (RP)	HEDL	FEB80	F. M. MANN
34-Se-75g	9090	Decay data only	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
34-Se-76g	9091	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
34-Se-77g	9092	Neutron cross sections only (RP)	INEL	DEC79	C. REICH
34-Se-77m	9093	Decay data only	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
34-Se-78g	9094	Neutron cross sections only (RP)	HEDL	FEB80	F. M. MANN
34-Se-79g	9095	Decay data only	INEL	DEC79	C. REICH
34-Se-79m	9096	Decay data only	INEL	DEC79	C. REICH
34-Se-80g	9097	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
34-Se-81g	9098	Decay data only	HEDL	FEB80	F. M. MANN
34-Se-81m	9099	Decay data only	HEDL	FEB80	F. M. MANN
34-Se-82g	9100	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
34-Se-83g	9101	Decay data only	INEL	DEC79	C. REICH
34-Se-83m	9102	Decay data only	INEL	DEC79	C. REICH
34-Se-84g	9103	Decay data only	INEL	DEC79	C. REICH
34-Se-85g	9104	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-86g	9105	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-87g	9106	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-88g	9107	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-89g	9108	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-90g	9109	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-91g	9110	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-92g	9111	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-93g	9112	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
34-Se-93m	9113	Neutron cross sections only (RP)	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
35-Br-79m	9114	Decay data only	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH

Z E I A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
35-Br-80g	9115	Decay data only	HEDL	FEB80	F. M. MANN
35-Br-80m	9116	Decay data only	HEDL	FEB80	F. M. MANN
35-Br-81g	9117	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
35-Br-82g	9118	Decay data only	INEL	DEC79	C. REICH
35-Br-82m	9119	Decay data only	INEL	DEC79	C. REICH
35-Br-83g	9120	Decay data only	INEL	DEC79	C. REICH
35-Br-84g	9121	Decay data only	INEL	DEC79	C. REICH
35-Br-84m	9122	Decay data only	INEL	DEC79	C. REICH
35-Br-85g	9123	Decay data only	INEL	DEC79	C. REICH
35-Br-85m	9124	Decay data only	INEL	DEC79	C. REICH
35-Br-87g	9125	Decay data only	INEL	DEC79	C. REICH
35-Br-88g	9126	Decay data only	INEL	DEC79	C. REICH
35-Br-89g	9127	Decay data only	INEL	DEC79	C. REICH
35-Br-90g	9128	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
35-Br-91g	9129	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
35-Br-92g	9130	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
35-Br-93g	9131	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
35-Br-94g	9132	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
35-Br-95g	9133	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
35-Br-96g	9134	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
35-Kr-78g	9135	No entry: Reference only	HEDL	FEB80	GENERAL PURPOSE MAT=1330 TAPE=509
36-Kr-79g	9136	Decay data only	HEDL	FEB80	F. M. MANN
36-Kr-79m	9137	Decay data only	HEDL	FEB80	F. M. MANN
36-Kr-80g	9138	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1331 TAPE=509
36-Kr-81g	9139	Decay data only	HEDL	DEC79	C. REICH
36-Kr-81m	9140	Decay data only	INEL	FEB80	F. M. MANN
36-Kr-82g	9141	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1332 TAPE=509
36-Kr-83g	9142	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1333 TAPE=509
36-Kr-83m	9143	Decay data only	HEDL, INEL	DEC79	C. REICH
36-Kr-84g	9144	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1334 TAPE=509
36-Kr-85g	9145	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
36-Kr-85m	9146	Decay data only	INEL	DEC79	C. REICH
36-Kr-86g	9147	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1336 TAPE=509
36-Kr-87g	9148	Decay data only	INEL	DEC79	C. REICH
36-Kr-88g	9149	Decay data only	INEL	DEC79	C. REICH
36-Kr-89g	9150	Decay data only	INEL	DEC79	C. REICH
36-Kr-90g	9151	Decay data only	INEL	DEC79	C. REICH
36-Kr-91g	9152	Decay data only	INEL	DEC79	C. REICH
36-Kr-92g	9153	Decay data only	INEL	DEC79	C. REICH
36-Kr-93g	9154	Decay data only	INEL	DEC79	C. REICH
36-Kr-94g	9155	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
36-Kr-95g	9156	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
36-Kr-96g	9157	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
36-Kr-97g	9158	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
36-Kr-98g	9159	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
37-Rb-85g	9160	Neutron cross sections only (RP)	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
37-Rb-86g	9161	Neutron + decay data	HEDL, INEL	DEC79	C. REICH
37-Rb-86m	9162	Decay data only	HEDL, INEL	FEB80	SCHENTER +, REICH, AND PRINCE
37-Rb-87g	9163	Neutron(RP) + decay data	INEL	DEC79	C. REICH
37-Rb-88g	9164	Decay data only	INEL	DEC79	C. REICH
37-Rb-89g	9165	Decay data only	INEL	DEC79	C. REICH
37-Rb-90g	9166	Decay data only	INEL	DEC79	C. REICH
37-Rb-90m	9167	Decay data only	INEL	DEC79	C. REICH
37-Rb-91g	9168	Decay data only	INEL	DEC79	C. REICH
37-Rb-92g	9169	Decay data only	INEL	DEC79	C. REICH

Z E 1 A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
37-Rb-93g	9170	Decay data only	INEL	DEC79	C. REICH
37-Rb-94g	9171	Decay data only	INEL	DEC79	C. REICH
37-Rb-95g	9172	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
37-Rb-96g	9173	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
37-Rb-97g	9174	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
37-Rb-98g	9175	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
37-Rb-99g	9176	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
37-Rb-100g	9177	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
37-Rb-101g	9178	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
38-Sr-84g	9179	Neutron cross sections only (RP)	HEDL	FEB80	F. M. MANN
38-Sr-85m	9180	Decay data only	HEDL	FEB80	F. M. MANN
38-Sr-86g	9181	Decay data only	HEDL	FEB80	F. M. MANN
38-Sr-87g	9182	Neutron cross sections only (RP)	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
38-Sr-87m	9183	Neutron cross sections only (RP)	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
38-Sr-88g	9184	Decay data only	INEL	DEC79	C. REICH
38-Sr-89g	9185	Neutron cross sections only (RP)	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
38-Sr-90g	9186	Neutron + decay data	HEDL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
38-Sr-91g	9187	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
38-Sr-92g	9188	Decay data only	INEL	DEC79	C. REICH
38-Sr-93g	9189	Decay data only	INEL	DEC79	C. REICH
38-Sr-94g	9190	Decay data only	INEL	DEC79	C. REICH
38-Sr-95g	9191	Decay data only	INEL	DEC79	C. REICH
38-Sr-96g	9192	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
38-Sr-97g	9193	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
38-Sr-98g	9194	Decay data only	INEL	DEC79	C. REICH
38-Sr-99g	9195	Decay data only	INEL	DEC79	C. REICH
38-Sr-100g	9196	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
38-Sr-101g	9197	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
38-Sr-102g	9198	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
38-Sr-103g	9199	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
38-Sr-104g	9200	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
39-Y-89g	9201	Neutron cross sections only (RP)	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
39-Y-89m	9202	Decay data only	HEDL	FEB80	F. M. MANN
39-Y-90g	9203	Neutron + decay data	INEL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
39-Y-90m	9204	Neutron + decay data	INEL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
39-Y-91g	9205	Decay data only	INEL	DEC79	C. REICH
39-Y-91m	9206	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
39-Y-92g	9207	Decay data only	INEL	DEC79	C. REICH
39-Y-93g	9208	Decay data only	INEL	DEC79	C. REICH
39-Y-93m	9209	Decay data only	INEL	DEC79	C. REICH
39-Y-94g	9210	Decay data only	INEL	DEC79	C. REICH
39-Y-95g	9211	Decay data only	INEL	DEC79	C. REICH
39-Y-95m	9212	Decay data only	INEL	DEC79	C. REICH
39-Y-96g	9213	Decay data only	INEL	DEC79	C. REICH
39-Y-96m	9214	Decay data only	INEL	DEC79	C. REICH
39-Y-97g	9215	Decay data only	INEL	DEC79	C. REICH
39-Y-97m	9216	Decay data only	INEL	DEC79	C. REICH
39-Y-98g	9217	Decay data only	INEL	DEC79	C. REICH
39-Y-98m	9218	Decay data only	INEL	DEC79	C. REICH
39-Y-99g	9219	Decay data only	INEL	DEC79	C. REICH
39-Y-100g	9220	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
39-Y-101g	9221	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
39-Y-102g	9222	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
39-Y-103g	9223	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
39-Y-104g	9224	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH

Z E I A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
39-Y-105g	9225	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
39-Y-105g	9226	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
39-Y-107g	9227	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
40-Zr-90g	9228	No entry: Reference only			GENERAL PURPOSE MAT=1385 TAPE=501
40-Zr-90m	9229	Decay data only	INEL	DEC79	C. REICH
40-Zr-91g	9230	No entry: Reference only			GENERAL PURPOSE MAT=1386 TAPE=501
40-Zr-92g	9231	No entry: Reference only			GENERAL PURPOSE MAT=1387 TAPE=501
40-Zr-93g	9232	Neutron + decay data			GENERAL PURPOSE MAT=1388 TAPE=501
40-Zr-94g	9233	No entry: Reference only			GENERAL PURPOSE MAT=1389 TAPE=501
40-Zr-95g	9234	Neutron + decay data	HEDL, INEL	DEC79	C. REICH
40-Zr-96g	9235	No entry: Reference only			C. REICH
40-Zr-97g	9236	Decay data only	HEDL, INEL	DEC79	C. REICH
40-Zr-98g	9237	Decay data only	INEL	DEC79	C. REICH
40-Zr-99g	9238	Decay data only	INEL	DEC79	C. REICH
40-Zr-100g	9239	Decay data only	INEL	DEC79	C. REICH
40-Zr-101g	9240	Decay data only	BNL	AUG79	T. W. BURROWS
40-Zr-102g	9241	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
40-Zr-103g	9242	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
40-Zr-104g	9243	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
40-Zr-105g	9244	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
40-Zr-106g	9245	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
40-Zr-107g	9246	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
40-Zr-108g	9247	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
40-Zr-109g	9248	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-93g	9249	No entry: Reference only			GENERAL PURPOSE MAT=1189 TAPE=510
41-Nb-93m	9250	Decay data only	INEL, INEL	DEC79	C. REICH
41-Nb-94g	9251	Neutron(RP) + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
41-Nb-94m	9252	Decay data only	INEL, INEL	DEC79	C. REICH
41-Nb-95g	9253	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
41-Nb-95m	9254	Decay data only	INEL	DEC79	C. REICH
41-Nb-96g	9255	Decay data only	INEL	DEC79	C. REICH
41-Nb-97g	9256	Decay data only	INEL	DEC79	C. REICH
41-Nb-97m	9257	Decay data only	INEL	DEC79	C. REICH
41-Nb-98g	9258	Decay data only	INEL	DEC79	C. REICH
41-Nb-98m	9259	Decay data only	INEL	DEC79	C. REICH
41-Nb-99g	9260	Decay data only	INEL	DEC79	C. REICH
41-Nb-99m	9261	Decay data only	BNL	AUG79	T. W. BURROWS
41-Nb-100g	9262	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-100m	9263	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-101g	9264	Decay data only	INEL	DEC79	C. REICH
41-Nb-102g	9265	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-102m	9266	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-103g	9267	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-104g	9268	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-105g	9269	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-105m	9270	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-106g	9271	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-107g	9272	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-108g	9273	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-109g	9274	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-110g	9275	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-111g	9276	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
41-Nb-112g	9277	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-92g	9278	Neutron cross sections only (RP)	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-93g	9279	Decay data only	INEL	APR78	F. M. MANN REICH

Z E I A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
42-Mo-93m	9280	Decay data only	HEDL, RCN	FEB80	F. M. MANN
42-Mo-94g	9281	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
42-Mo-95g	9282	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
42-Mo-96g	9283	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
42-Mo-97g	9284	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
42-Mo-98g	9285	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
42-Mo-99g	9286	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
42-Mo-100g	9287	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
42-Mo-101g	9288	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
42-Mo-102g	9289	Decay data only	INEL	DEC79	C. REICH
42-Mo-103g	9290	Decay data only	INEL	DEC79	C. REICH
42-Mo-104g	9291	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-105g	9292	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-106g	9293	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-107g	9294	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-108g	9295	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-109g	9296	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-110g	9297	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-111g	9298	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-112g	9299	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-113g	9300	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-114g	9301	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
42-Mo-115g	9302	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-99g	9303	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-99m	9304	Decay data only	INEL	DEC79	C. REICH
43-Tc-100g	9305	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-101g	9306	Decay data only	INEL	DEC79	C. REICH
43-Tc-102g	9307	Decay data only	INEL	DEC79	C. REICH
43-Tc-102m	9308	Decay data only	INEL	DEC79	C. REICH
43-Tc-103g	9309	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-104g	9310	Decay data only	INEL	DEC79	C. REICH
43-Tc-105g	9311	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-106g	9312	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-107g	9313	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-108g	9314	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-109g	9315	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-110g	9316	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-111g	9317	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-112g	9318	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-113g	9319	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-114g	9320	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-115g	9321	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-116g	9322	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-117g	9323	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
43-Tc-118g	9324	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
44-Ru-96g	9325	Neutron cross sections only	HEDL	FEB80	F. M. MANN
44-Ru-97g	9326	Decay data only	HEDL	FEB80	F. M. MANN
44-Ru-98g	9327	Neutron cross sections only	HEDL	FEB80	F. M. MANN
44-Ru-99g	9328	Neutron cross sections only (RP)	HEDL, RCN	APR74	R. E. SCHENTER AND F. SCHMITTROTH
44-Ru-100g	9329	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
44-Ru-101g	9330	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
44-Ru-102g	9331	Neutron cross sections only (RP)	HEDL, RCN	DEC79	SCHENTER, SCHMITTROTH, AND REICH
44-Ru-103g	9332	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
44-Ru-104g	9333	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
44-Ru-105g	9334	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH

Z E I A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
44-RU-106g	9335	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTTH, AND REICH
44-RU-107g	9336	Decay data only	INEL	DEC79	C. REICH
44-RU-108g	9337	Decay data only	INEL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-109g	9338	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-109m	9339	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-110g	9340	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-111g	9341	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-112g	9342	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-113g	9343	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-114g	9344	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-115g	9345	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-116g	9346	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-117g	9347	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-118g	9348	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-119g	9349	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
44-RU-120g	9350	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-103g	9351	No entry: Reference only			GENERAL PURPOSE MAT-1310 TAPE-510
45-Rh-103m	9352	Decay data only	INEL	DEC79	C. REICH
45-Rh-104g	9353	Decay data only	INEL	DEC79	C. REICH
45-Rh-104m	9354	Decay data only	INEL	DEC79	C. REICH
45-Rh-105g	9355	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTTH, AND REICH
45-Rh-105m	9356	Decay data only	INEL	DEC79	C. REICH
45-Rh-106g	9357	Decay data only	INEL	DEC79	C. REICH
45-Rh-106m	9358	Decay data only	INEL	DEC79	C. REICH
45-Rh-107g	9359	Decay data only	INEL	DEC79	C. REICH
45-Rh-108g	9360	Decay data only	INEL	DEC79	C. REICH
45-Rh-108m	9361	Decay data only	INEL	DEC79	C. REICH
45-Rh-109g	9362	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-109m	9363	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-110g	9364	Decay data only	INEL	DEC79	C. REICH
45-Rh-110m	9365	Decay data only	INEL	DEC79	C. REICH
45-Rh-111g	9366	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-112g	9367	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-113g	9368	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-114g	9369	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-115g	9370	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-116g	9371	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-117g	9372	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-118g	9373	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-119g	9374	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-120g	9375	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-121g	9376	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-122g	9377	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
45-Rh-123g	9378	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTTH
46-Pd-102g	9379	Neutron cross sections only	HEDL	FEB80	F. M. MANN
46-Pd-103g	9380	Decay data only	HEDL	FEB80	F. M. MANN
46-Pd-104g	9381	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTTH
46-Pd-105g	9382	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTTH
46-Pd-106g	9383	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTTH
46-Pd-107g	9384	Neutron + decay data	HEDL, INEL +	FEB80	SCHENTER, SCHMITTROTTH, AND REICH
46-Pd-107m	9385	Decay data only	HEDL, RCN	FEB80	F. M. MANN
46-Pd-108g	9386	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTTH
46-Pd-109g	9387	Decay data only	INEL	DEC79	C. REICH
46-Pd-109m	9388	Decay data only	INEL	DEC79	C. REICH
46-Pd-110g	9389	Neutron cross sections only	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTTH

Z E 1 A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
46-Pd-111g	9390	Decay data only	INEL	DEC79	C. REICH
46-Pd-111m	9391	Decay data only	INEL	DEC79	C. REICH
46-Pd-112g	9392	Decay data only	INEL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-113g	9393	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-114g	9394	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-115g	9395	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-116g	9396	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-117g	9397	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-118g	9398	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-119g	9399	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-120g	9400	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-121g	9401	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-122g	9402	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-123g	9403	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-124g	9404	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
46-Pd-125g	9405	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-107g	9406	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-107m	9407	No entry: Reference only	HEDL	FEB80	F. M. MANN
47-Ag-107m	9408	Decay data only	INEL	DEC79	C. REICH
47-Ag-108g	9409	Decay data only	INEL	DEC79	C. REICH
47-Ag-108m	9410	Decay data only	INEL	DEC79	C. REICH
47-Ag-109g	9411	No entry: Reference only	INEL	DEC79	C. REICH
47-Ag-109m	9412	Decay data only	INEL	DEC79	C. REICH
47-Ag-110g	9413	Decay data only	INEL	DEC79	C. REICH
47-Ag-110m	9414	Decay data only	INEL	DEC79	C. REICH
47-Ag-111g	9415	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
47-Ag-111m	9416	Decay data only	INEL	DEC79	C. REICH
47-Ag-112g	9417	Decay data only	INEL	DEC79	C. REICH
47-Ag-113g	9418	Decay data only	INEL	DEC79	C. REICH
47-Ag-113m	9419	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-114g	9420	Decay data only	INEL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-115g	9421	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-118m	9422	Decay data only	HEDL	DEC79	C. REICH
47-Ag-116g	9423	Decay data only	INEL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-116m	9424	Decay data only	HEDL	DEC79	C. REICH
47-Ag-117g	9425	Decay data only	INEL	DEC79	C. REICH
47-Ag-117m	9426	Decay data only	INEL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-118g	9427	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-118m	9428	Decay data only	HEDL	FEB80	F. M. MANN
47-Ag-119g	9429	Decay data only	INEL	DEC79	C. REICH
47-Ag-120g	9430	Decay data only	INEL	DEC79	C. REICH
47-Ag-120m	9431	Decay data only	HEDL	FEB80	F. M. MANN
47-Ag-121g	9432	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-122g	9433	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-123g	9434	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-124g	9435	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-125g	9436	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-126g	9437	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-127g	9438	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
47-Ag-128g	9439	Decay data only	HEDL	FEB80	F. M. MANN
48-Cd-106g	9440	Neutron cross sections only	HEDL	FEB80	F. M. MANN
48-Cd-107g	9441	Decay data only	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
48-Cd-108g	9442	Neutron cross sections only	HEDL	DEC79	C. REICH
48-Cd-109g	9443	Decay data only	INEL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
48-Cd-110g	9444	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH

Z E I A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
48-Cd-111g	9445	Neutron cross sections only (RP)	HEDL	APR74	R.E.SCHENTER AND F.SCHMITTROTH
48-Cd-111m	9446	Decay data only	HEDL	FEB80	F.M. MANN
48-Cd-112g	9447	Neutron cross sections only (RP)	HEDL	APR74	R.E.SCHENTER AND F.SCHMITTROTH
48-Cd-113g	9448	Decay data only			GENERAL PURPOSE MAT=1318 TAPE=510
48-Cd-113m	9449	Decay data only			C. REICH
48-Cd-114g	9450	Neutron cross sections only (RP)	INEL	DEC79	R.E.SCHENTER AND F.SCHMITTROTH
48-Cd-115g	9451	Decay data only	HEDL	APR74	R.E.SCHENTER AND F.SCHMITTROTH
48-Cd-115m	9452	Neutron + decay data	INEL	DEC79	C. REICH
48-Cd-116g	9453	Neutron cross sections only (RP)	HEDL	DEC79	SCHENTER,SCHMITTROTH,AND REICH
48-Cd-117g	9454	Decay data only	INEL	APR74	R.E.SCHENTER AND F.SCHMITTROTH
48-Cd-117m	9455	Decay data only	INEL	DEC79	C. REICH
48-Cd-118g	9456	Decay data only	INEL	DEC79	C. REICH
48-Cd-119g	9457	Decay data only	INEL	DEC79	C. REICH
48-Cd-119m	9458	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-120g	9459	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-121g	9460	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-121m	9461	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-122g	9462	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-123g	9463	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-124g	9464	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-125g	9465	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-126g	9466	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-127g	9467	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-128g	9468	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-129g	9469	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-130g	9470	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-131g	9471	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
48-Cd-132g	9472	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
49-In-113g	9473	Neutron cross sections only (RP)	HEDL	APR74	R.E.SCHENTER AND F.SCHMITTROTH
49-In-113m	9474	Decay data only	INEL	DEC79	C. REICH
49-In-114g	9475	Decay data only	HEDL	FEB80	F.M. MANN
49-In-114m	9476	Decay data only	HEDL	FEB80	F.M. MANN
49-In-115g	9477	Neutron(RP) + decay data	HEDL	DEC79	SCHENTER,SCHMITTROTH,AND REICH
49-In-115m	9478	Decay data only	INEL	DEC79	C. REICH
49-In-116g	9479	Decay data only	INEL	DEC79	C. REICH
49-In-116m	9480	Decay data only	INEL	DEC79	C. REICH
49-In-116m	9481	Decay data only	HEDL	APR80	F.M. MANN
49-In-117g	9482	Decay data only	INEL	DEC79	C. REICH
49-In-117m	9483	Decay data only	INEL	DEC79	C. REICH
49-In-118g	9484	Decay data only	INEL	DEC79	C. REICH
49-In-118m	9485	Decay data only	INEL	DEC79	C. REICH
49-In-118m	9486	Decay data only	INEL	DEC79	C. REICH
49-In-119g	9487	Decay data only	INEL	DEC79	C. REICH
49-In-119m	9488	Decay data only	INEL	DEC79	C. REICH
49-In-120g	9489	Decay data only	INEL	DEC79	C. REICH
49-In-120m	9490	Decay data only	INEL	DEC79	C. REICH
49-In-121g	9491	Decay data only	INEL	DEC79	C. REICH
49-In-121m	9492	Decay data only	INEL	DEC79	C. REICH
49-In-122g	9493	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
49-In-122m	9494	Decay data only	INEL	DEC79	C. REICH
49-In-123g	9495	Decay data only	INEL	DEC79	C. REICH
49-In-123m	9496	Decay data only	INEL	DEC79	C. REICH
49-In-124g	9497	Decay data only	INEL	DEC79	C. REICH
49-In-124m	9498	Decay data only	HEDL	FEB80	F.M. MANN AND F.SCHMITTROTH
49-In-125g	9499	Decay data only	INEL	DEC79	C. REICH

Z E I A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
49-In-125m	9500	Decay data only	INEL	DEC79	C. REICH
49-In-126g	9501	Decay data only	INEL	DEC79	C. REICH
49-In-127g	9502	Decay data only	INEL	DEC79	C. REICH
49-In-127m	9503	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
49-In-128g	9504	Decay data only	INEL	DEC79	C. REICH
49-In-128m	9505	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
49-In-129g	9506	Decay data only	INEL	DEC79	C. REICH
49-In-129m	9507	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
49-In-130g	9508	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
49-In-131g	9509	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
49-In-132g	9510	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
49-In-133g	9511	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
49-In-134g	9512	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-112g	9513	Neutron cross sections only (RP)	HEDL	FEB80	F. M. MANN
50-Sn-113g	9514	Decay data only	HEDL	FEB80	F. M. MANN
50-Sn-113m	9515	Decay data only	HEDL	FEB80	F. M. MANN
50-Sn-114g	9516	Neutron cross sections only (RP)	HEDL	FEB80	F. M. MANN
50-Sn-115g	9517	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
50-Sn-116g	9518	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
50-Sn-117g	9519	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
50-Sn-117m	9520	Decay data only	INEL	DEC79	C. REICH
50-Sn-118g	9521	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
50-Sn-119g	9522	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
50-Sn-119m	9523	Decay data only	INEL	DEC79	C. REICH
50-Sn-120g	9524	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
50-Sn-121g	9525	Decay data only	INEL	DEC79	C. REICH
50-Sn-121m	9526	Decay data only	INEL	DEC79	C. REICH
50-Sn-122g	9527	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
50-Sn-123g	9528	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
50-Sn-123m	9529	Decay data only	INEL	DEC79	C. REICH
50-Sn-124g	9530	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
50-Sn-125g	9531	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
50-Sn-125m	9532	Decay data only	INEL	DEC79	C. REICH
50-Sn-126g	9533	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
50-Sn-127g	9534	Decay data only	INEL	DEC79	C. REICH
50-Sn-127m	9535	Decay data only	INEL	DEC79	C. REICH
50-Sn-128g	9536	Decay data only	INEL	DEC79	C. REICH
50-Sn-129g	9537	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-129m	9538	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-130g	9539	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-130m	9540	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-131g	9541	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-131m	9542	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-132g	9543	Decay data only	INEL	DEC79	C. REICH
50-Sn-133g	9544	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-134g	9545	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-135g	9546	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
50-Sn-136g	9547	Decay data only	HEDL	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
51-Sb-121g	9548	Neutron cross sections only (RP)	HEDL, RCN	DEC79	C. REICH
51-Sb-122g	9549	Decay data only	INEL	DEC79	C. REICH
51-Sb-122m	9550	Decay data only	INEL	DEC79	C. REICH
51-Sb-123g	9551	Neutron cross sections only (RP)	HEDL, RCN	DEC79	C. REICH
51-Sb-124g	9552	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
51-Sb-124m	9553	Decay data only	HEDL	FEB80	F. M. MANN
51-Sb-124m	9554	Decay data only	HEDL	FEB80	F. M. MANN

Z E 1 A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
51-Sb-125g	9555	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
51-Sb-126g	9556	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
51-Sb-126m	9557	Decay data only	INEL	DEC79	C. REICH
51-Sb-127g	9558	Decay data only	INEL	DEC79	C. REICH
51-Sb-127m	9559	Decay data only	INEL	DEC79	C. REICH
51-Sb-128g	9560	Decay data only	INEL	DEC79	C. REICH
51-Sb-128m	9561	Decay data only	INEL	DEC79	C. REICH
51-Sb-129g	9562	Decay data only	INEL	DEC79	C. REICH
51-Sb-130g	9563	Decay data only	INEL	DEC79	C. REICH
51-Sb-130m	9564	Decay data only	INEL	DEC79	C. REICH
51-Sb-131g	9565	Decay data only	INEL	DEC79	C. REICH
51-Sb-132g	9566	Decay data only	INEL	DEC79	C. REICH
51-Sb-132m	9567	Decay data only	INEL	DEC79	C. REICH
51-Sb-133g	9568	Decay data only	INEL	DEC79	C. REICH
51-Sb-134g	9569	Decay data only	INEL	DEC79	C. REICH
51-Sb-134m	9570	Decay data only	INEL	DEC79	C. REICH
51-Sb-135g	9571	Decay data only	INEL	DEC79	C. REICH
51-Sb-136g	9572	Decay data only	INEL	DEC79	C. REICH
51-Sb-137g	9573	Decay data only	INEL	DEC79	C. REICH
51-Sb-138g	9574	Decay data only	INEL	DEC79	C. REICH
51-Sb-139g	9575	Decay data only	INEL	DEC79	C. REICH
52-Te-120g	9576	Neutron cross sections only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-120m	9577	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-121m	9578	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-122g	9579	Neutron cross sections only (RP)	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-123g	9580	Neutron(RP) + decay data	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-123m	9581	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-124g	9582	Neutron cross sections only (RP)	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
52-Te-125g	9583	Neutron cross sections only (RP)	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
52-Te-125m	9584	Decay data only	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
52-Te-126g	9585	Neutron cross sections only (RP)	INEL	DEC79	C. REICH
52-Te-127g	9586	Decay data only	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
52-Te-127m	9587	Neutron + decay data	INEL	DEC79	C. REICH
52-Te-128g	9588	Neutron cross sections only (RP)	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
52-Te-129g	9589	Decay data only	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
52-Te-129m	9590	Neutron + decay data	INEL	DEC79	C. REICH
52-Te-130g	9591	Neutron cross sections only (RP)	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
52-Te-131g	9592	Decay data only	HEDL	APR74	R.E. SCHENTER AND F. SCHMITTROTH
52-Te-131m	9593	Decay data only	INEL	DEC79	C. REICH
52-Te-132g	9594	Neutron + decay data	INEL	DEC79	C. REICH
52-Te-133g	9595	Decay data only	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
52-Te-133m	9596	Decay data only	INEL	DEC79	C. REICH
52-Te-134g	9597	Decay data only	INEL	DEC79	C. REICH
52-Te-135g	9598	Decay data only	INEL	DEC79	C. REICH
52-Te-136g	9599	Decay data only	INEL	DEC79	C. REICH
52-Te-137g	9600	Decay data only	INEL	DEC79	C. REICH
52-Te-138g	9601	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-139g	9602	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-140g	9603	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-141g	9604	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
52-Te-142g	9605	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
53-I-127g	9606	Neutron cross sections only (RP)	HEDL, RCN	FEB80	F. M. MANN AND F. SCHMITTROTH
53-I-128g	9607	Decay data only	INEL	APR78	R.E. SCHENTER AND F. SCHMITTROTH
53-I-129g	9608	Neutron(RP) + decay data	HEDL, INEL +	FEB80	SCHENTER, SCHMITTROTH, AND REICH
53-I-130g	9609	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH

Z	E1	A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
53	I	-	9610	Decay data only	HEDL	FEB80	F. M. MANN
53	I	-	9611	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
53	I	-	9612	Decay data only	INEL	DEC79	C. REICH
53	I	-	9613	Decay data only	HEDL	FEB80	F. M. MANN
53	I	-	9614	Decay data only	INEL	DEC79	C. REICH
53	I	-	9615	Decay data only	HEDL	FEB80	F. M. MANN
53	I	-	9616	Decay data only	INEL	DEC79	C. REICH
53	I	-	9617	Decay data only	INEL	DEC79	C. REICH
53	I	-	9618	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
53	I	-	9619	Decay data only	INEL	DEC79	C. REICH
53	I	-	9620	Decay data only	INEL	DEC79	C. REICH
53	I	-	9621	Decay data only	INEL	DEC79	C. REICH
53	I	-	9622	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
53	I	-	9623	Decay data only	INEL	DEC79	C. REICH
53	I	-	9624	Decay data only	INEL	DEC79	C. REICH
53	I	-	9625	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
53	I	-	9626	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
53	I	-	9627	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
53	I	-	9628	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
53	I	-	9629	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
54	Xe	-	9630	No entry: Reference only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
54	Xe	-	9631	Decay data only	HEDL	FEB80	GENERAL PURPOSE MAT=1335 TAPE=509
54	Xe	-	9632	Decay data only	HEDL	FEB80	F. M. MANN
54	Xe	-	9633	No entry: Reference only	HEDL	FEB80	GENERAL PURPOSE MAT=1339 TAPE=509
54	Xe	-	9634	Decay data only	HEDL	FEB80	F. M. MANN
54	Xe	-	9635	Decay data only	HEDL	FEB80	F. M. MANN
54	Xe	-	9636	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1348 TAPE=509
54	Xe	-	9637	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1349 TAPE=509
54	Xe	-	9638	Decay data only	INEL	DEC79	GENERAL PURPOSE MAT=1350 TAPE=509
54	Xe	-	9639	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1351 TAPE=509
54	Xe	-	9640	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1352 TAPE=509
54	Xe	-	9641	Decay data only	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
54	Xe	-	9642	No entry: Reference only	INEL	DEC79	C. REICH
54	Xe	-	9643	Neutron + decay data	INEL	DEC79	GENERAL PURPOSE MAT=1354 TAPE=509
54	Xe	-	9644	Decay data only	INEL	DEC79	C. REICH
54	Xe	-	9645	No entry: Reference only	INEL	DEC79	C. REICH
54	Xe	-	9646	Decay data only	INEL	DEC79	GENERAL PURPOSE MAT=1294 TAPE=509
54	Xe	-	9647	Decay data only	INEL	DEC79	C. REICH
54	Xe	-	9648	Decay data only	INEL	DEC79	C. REICH
54	Xe	-	9649	No entry: Reference only	INEL	DEC79	C. REICH
54	Xe	-	9650	Decay data only	INEL	DEC79	C. REICH
54	Xe	-	9651	Decay data only	INEL	DEC79	C. REICH
54	Xe	-	9652	Decay data only	INEL	DEC79	C. REICH
54	Xe	-	9653	Decay data only	INEL	DEC79	C. REICH
54	Xe	-	9654	Decay data only	INEL	DEC79	C. REICH
54	Xe	-	9655	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
54	Xe	-	9656	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
54	Xe	-	9657	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
54	Xe	-	9658	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
54	Xe	-	9659	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
54	Xe	-	9660	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
54	Xe	-	9661	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
55	Cs	-	9662	No entry: Reference only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
55	Cs	-	9663	Neutron + decay data	HEDL, INEL	DEC79	GENERAL PURPOSE MAT=1355 TAPE=510
55	Cs	-	9664	Decay data only	INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH

Z E I A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
55-Cs-135g	9665	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
55-Cs-135m	9666	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
55-Cs-136d	9667	Neutron(RP) + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
55-Cs-136m	9668	Decay data only	HEDL, INEL	FEB80	F. M. MANN
55-Cs-137g	9669	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
55-Cs-138g	9670	Decay data only	INEL	DEC79	C. REICH
55-Cs-138m	9671	Decay data only	INEL	DEC79	C. REICH
55-Cs-139g	9672	Decay data only	INEL	DEC79	C. REICH
55-Cs-140g	9673	Decay data only	INEL	DEC79	C. REICH
55-Cs-141g	9674	Decay data only	INEL	DEC79	C. REICH
55-Cs-142g	9675	Decay data only	INEL	DEC79	C. REICH
55-Cs-143g	9676	Decay data only	INEL	DEC79	C. REICH
55-Cs-144g	9677	Decay data only	INEL	DEC79	C. REICH
55-Cs-145g	9678	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
55-Cs-146g	9679	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
55-Cs-147g	9680	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
55-Cs-148g	9681	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
55-Cs-149g	9682	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
55-Cs-150g	9683	Decay data only	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
56-Ba-134g	9684	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
56-Ba-135g	9685	Neutron cross sections only (RP)	INEL	DEC79	C. REICH
56-Ba-135m	9686	Decay data only	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
56-Ba-136g	9687	Neutron cross sections only (RP)	INEL	DEC79	C. REICH
56-Ba-136m	9688	Decay data only	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
56-Ba-137g	9689	Neutron cross sections only (RP)	INEL	DEC79	C. REICH
56-Ba-137m	9690	Decay data only	INEL	DEC79	C. REICH
56-Ba-138g	9691	No entry: Reference only	INEL	DEC79	C. REICH
56-Ba-139g	9692	Decay data only	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
56-Ba-140g	9693	Neutron + decay data	INEL	DEC79	C. REICH
56-Ba-141g	9694	Decay data only	INEL	DEC79	C. REICH
56-Ba-142g	9695	Decay data only	INEL	DEC79	C. REICH
56-Ba-143g	9696	Decay data only	INEL	DEC79	C. REICH
56-Ba-144g	9697	Decay data only	INEL	DEC79	C. REICH
56-Ba-145g	9698	Decay data only	INEL	DEC79	C. REICH
56-Ba-146g	9699	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
56-Ba-147g	9700	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
56-Ba-148g	9701	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
56-Ba-149g	9702	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
56-Ba-150g	9703	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
56-Ba-151g	9704	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
56-Ba-152g	9705	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
56-Ba-138g	9706	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-139g	9707	Neutron cross sections only (RP)	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-140g	9708	Neutron + decay data	HEDL, RCN	FEB80	F. M. MANN
57-La-141g	9709	Decay data only	INEL	DEC79	C. REICH
57-La-142g	9710	Decay data only	INEL	DEC79	C. REICH
57-La-143g	9711	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-144g	9712	Decay data only	INEL	DEC79	C. REICH
57-La-145g	9713	Decay data only	INEL	DEC79	C. REICH
57-La-146g	9714	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-147g	9715	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-148g	9716	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-149g	9717	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-150g	9718	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-151g	9719	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH

Z E I A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
57-La-152g	9720	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-153g	9721	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-154g	9722	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
57-La-155g	9723	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-140g	9724	Neutron cross sections only	HEDL, INEL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
58-Ce-141g	9725	Neutron + decay data	HEDL, INEL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
58-Ce-142g	9726	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
58-Ce-143g	9727	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
58-Ce-144g	9728	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
58-Ce-145g	9729	Decay data only	INEL	DEC79	C. REICH
58-Ce-146g	9730	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-147g	9731	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-148g	9732	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-149g	9733	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-150g	9734	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-151g	9735	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-152g	9736	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-153g	9737	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-154g	9738	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-155g	9739	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-156g	9740	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
58-Ce-157g	9741	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-141g	9742	Neutron cross sections only (RP)	HEDL, BNL+	FEB80	SCHENTER, SCHMITTROTH, AND PRINCE
59-Pr-142g	9743	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
59-Pr-142m	9744	Decay data only	HEDL, INEL	FEB80	F. M. MANN, SCHMITTROTH, AND REICH
59-Pr-143g	9745	Neutron + decay data	HEDL, INEL	DEC79	C. REICH
59-Pr-144g	9746	Decay data only	INEL	DEC79	C. REICH
59-Pr-144m	9747	Decay data only	INEL	DEC79	C. REICH
59-Pr-145g	9748	Decay data only	INEL	DEC79	C. REICH
59-Pr-146g	9749	Decay data only	INEL	DEC79	C. REICH
59-Pr-147g	9750	Decay data only	INEL	DEC79	C. REICH
59-Pr-148g	9751	Decay data only	INEL	DEC79	C. REICH
59-Pr-149g	9752	Decay data only	INEL	DEC79	C. REICH
59-Pr-150g	9753	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-151g	9754	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-152g	9755	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-153g	9756	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-154g	9757	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-155g	9758	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-156g	9759	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-157g	9760	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-158g	9761	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
59-Pr-159g	9762	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
60-Nd-142g	9763	Neutron cross sections only (RP)	HEDL, BNL+	APR74	R. E. SCHENTER AND F. SCHMITTROTH
60-Nd-143g	9764	Neutron cross sections only (RP)	HEDL, BNL+	FEB80	SCHENTER, SCHMITTROTH, AND PRINCE
60-Nd-144g	9765	Neutron(RP) + decay data	HEDL	FEB80	SCHENTER, SCHMITTROTH, AND PRINCE
60-Nd-145g	9766	Neutron cross sections only (RP)	HEDL, BNL+	FEB80	SCHENTER, SCHMITTROTH, AND PRINCE
60-Nd-146g	9767	Neutron cross sections only (RP)	HEDL, BNL+	DEC79	SCHENTER, SCHMITTROTH, AND PRINCE
60-Nd-147g	9768	Neutron + decay data	HEDL, INEL	FEB80	SCHENTER, SCHMITTROTH, AND PRINCE
60-Nd-148g	9769	Neutron cross sections only (RP)	HEDL, BNL+	DEC79	C. REICH
60-Nd-149g	9770	Decay data only	INEL	FEB80	SCHENTER, SCHMITTROTH, AND PRINCE
60-Nd-150g	9771	Neutron cross sections only (RP)	HEDL, BNL+	FEB80	SCHENTER, SCHMITTROTH, AND PRINCE
60-Nd-151g	9772	Decay data only	INEL	DEC79	C. REICH
60-Nd-152g	9773	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
60-Nd-153g	9774	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH

Z E 1 A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
60-Nd-154g	9775	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
60-Nd-155g	9776	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
60-Nd-156g	9777	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
60-Nd-157g	9778	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
60-Nd-158g	9779	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
60-Nd-159g	9780	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
60-Nd-160g	9781	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
60-Nd-161g	9782	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
61-Pm-147g	9783	Neutron(RP) + decay data	HEDL, INEL	FEB80	SCHENTER + REICH, AND PRINCE
61-Pm-148g	9784	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
61-Pm-148m	9785	Neutron(RP) + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
61-Pm-149g	9786	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
61-Pm-150g	9787	Decay data only	HEDL	FEB80	F. M. MANN
61-Pm-151g	9788	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
61-Pm-152g	9789	Decay data only	INEL	DEC79	C. REICH
61-Pm-152m	9790	Decay data only	INEL	DEC79	C. REICH
61-Pm-153g	9791	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
61-Pm-154g	9792	Decay data only	INEL	DEC79	C. REICH
61-Pm-154m	9793	Decay data only	INEL	DEC79	C. REICH
61-Pm-154m	9794	Decay data only	INEL	DEC79	C. REICH
61-Pm-155g	9795	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
61-Pm-156g	9796	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
61-Pm-157g	9797	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
61-Pm-158g	9798	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
61-Pm-159g	9799	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
61-Pm-160g	9800	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
61-Pm-161g	9801	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
61-Pm-162g	9802	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-144g	9803	Neutron cross sections only	HEDL	FEB80	F. M. MANN
62-Sm-145g	9804	Decay data only	HEDL	FEB80	F. M. MANN
62-Sm-146g	9805	Decay data only	HEDL	FEB80	F. M. MANN
62-Sm-147g	9806	Neutron(RP) + decay data	HEDL, BNL +	FEB80	SCHENTER + MANN, AND PRINCE
62-Sm-148g	9807	Neutron + decay data	HEDL	FEB80	SCHENTER, SCHMITTROTH, AND MANN
62-Sm-149g	9808	Decay data only	HEDL	FEB80	GENERAL PURPOSE MAT=1319 TAPE=510
62-Sm-150g	9809	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
62-Sm-151g	9810	Neutron(RP) + decay data	HEDL, INEL	FEB80	SCHENTER + REICH, AND PRINCE
62-Sm-152g	9811	Neutron cross sections only (RP)	HEDL, BNL +	FEB80	SCHENTER, SCHMITTROTH, AND PRINCE
62-Sm-153g	9812	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
62-Sm-154g	9813	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
62-Sm-155g	9814	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-156g	9815	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-157g	9816	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-158g	9817	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-159g	9818	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-160g	9819	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-161g	9820	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-162g	9821	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-163g	9822	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-164g	9823	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
62-Sm-165g	9824	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
63-EU-151g	9825	No entry: Reference only	HEDL	FEB80	GENERAL PURPOSE MAT=1357 TAPE=509
63-EU-152g	9826	Decay data only	HEDL	FEB80	GENERAL PURPOSE MAT=1292 TAPE=509
63-EU-152m	9827	Decay data only	INEL	DEC79	C. REICH
63-EU-152m	9828	Decay data only	INEL	DEC79	C. REICH
63-EU-153g	9829	No entry: Reference only	INEL	DEC79	GENERAL PURPOSE MAT=1359 TAPE=509

Z E I A	MAT NO.	SPECIFICATION	LAB	DATE	AUTHOR
63-EU-154G	9830	Decay data only	HEDL	FEB80	GENERAL PURPOSE MAT=1293 TAPE=509
63-EU-154G	9831	Decay data only	BNL, HEDL, +	DEC79	F. M. MANN
63-EU-155G	9832	Neutron + decay data	HEDL, INEL	DEC79	PRINCESCHENTER, REICH
63-EU-156G	9833	Neutron + decay data	HEDL	FEB80	SCHENTER, SCHMITTROTH, AND REICH
63-EU-157G	9834	Neutron + decay data	HEDL	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
63-EU-158G	9835	Decay data only	INEL	DEC79	F. M. MANN AND F. SCHMITTROTH
63-EU-159G	9836	Decay data only	HEDL	FEB80	C. REICH
63-EU-160G	9837	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
63-EU-161G	9838	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
63-EU-162G	9839	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
63-EU-163G	9840	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
63-EU-164G	9841	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
63-EU-165G	9842	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
64-Gd-152G	9843	Decay data only	HEDL	FEB80	GENERAL PURPOSE MAT=1362 TAPE=503
64-Gd-153G	9844	Decay data only	HEDL	FEB80	F. M. MANN
64-Gd-154G	9845	No entry: Reference only			GENERAL PURPOSE MAT=1364 TAPE=503
64-Gd-155G	9846	No entry: Reference only			GENERAL PURPOSE MAT=1365 TAPE=503
64-Gd-156G	9847	No entry: Reference only			GENERAL PURPOSE MAT=1366 TAPE=503
64-Gd-157G	9848	No entry: Reference only			GENERAL PURPOSE MAT=1367 TAPE=503
64-Gd-158G	9849	No entry: Reference only			GENERAL PURPOSE MAT=1368 TAPE=503
64-Gd-159G	9850	Decay data only	INEL	DEC79	C. REICH
64-Gd-160G	9851	No entry: Reference only			GENERAL PURPOSE MAT=1370 TAPE=503
64-Gd-161G	9852	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
64-Gd-162G	9853	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
64-Gd-163G	9854	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
64-Gd-164G	9855	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
64-Gd-165G	9856	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
65-Tb-159G	9857	Neutron cross sections only (RP)	HEDL, RCN	FEB80	R. E. SCHENTER AND F. SCHMITTROTH
65-Tb-160G	9858	Neutron + decay data	HEDL, INEL	DEC79	SCHENTER, SCHMITTROTH, AND REICH
65-Tb-161G	9859	Decay data only	HEDL	FEB80	F. M. MANN
65-Tb-162G	9860	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
65-Tb-163G	9861	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
65-Tb-164G	9862	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
65-Tb-165G	9863	Decay data only	HEDL	APR74	R. E. SCHENTER
66-Dy-160G	9864	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
66-Dy-161G	9865	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
66-Dy-162G	9866	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
66-Dy-163G	9867	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
66-Dy-164G	9868	No entry: Reference only			GENERAL PURPOSE MAT=1031 TAPE=501
66-Dy-165G	9869	Decay data only	INEL	APR78	REICH
66-Dy-165m	9870	Decay data only	INEL	APR78	REICH
66-Dy-166G	9871	Decay data only	INEL	DEC79	C. REICH
67-Ho-165G	9872	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
67-Ho-166G	9873	Decay data only	INEL	DEC79	C. REICH
67-Ho-166m	9874	Decay data only	HEDL	FEB80	F. M. MANN AND F. SCHMITTROTH
68-Er-166G	9875	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
68-Er-167G	9876	Neutron cross sections only (RP)	HEDL	APR74	R. E. SCHENTER AND F. SCHMITTROTH
68-Er-167m	9877	Decay data only	HEDL	FEB80	F. M. MANN

Rev. 2
Rev. 2



INTERNATIONAL ATOMIC ENERGY AGENCY
NUCLEAR DATA SERVICES

DOCUMENTATION SERIES OF THE IAEA NUCLEAR DATA SECTION

IAEA-NDS-0025
Rev. 2/Suppl.

1986 Modifications

A modification to the ENDF/B-5 fission product files was received in 1986. It contained:

1. New evaluations

for 47-Ag-107 MAT 1407 replacing MAT 1371
for 47-Ag-109 MAT 1409 replacing MAT 1373

2. Minor modifications (not affecting the numerical data)

43-Tc-99 MAT 1308 Mod. 2
54-Xe-132 MAT 1352 Mod. 2
54-Xe-135 MAT 1294 Mod. 1
63-Eu-152 MAT 1292 Mod. 2
63-Eu-154 MAT 1293 Mod. 1

A computer-produced listing of the differences between the old versions and the new modified versions of the files is contained in the document IAEA-NDS-0065.

(H.D. Lemmel, May 1986)