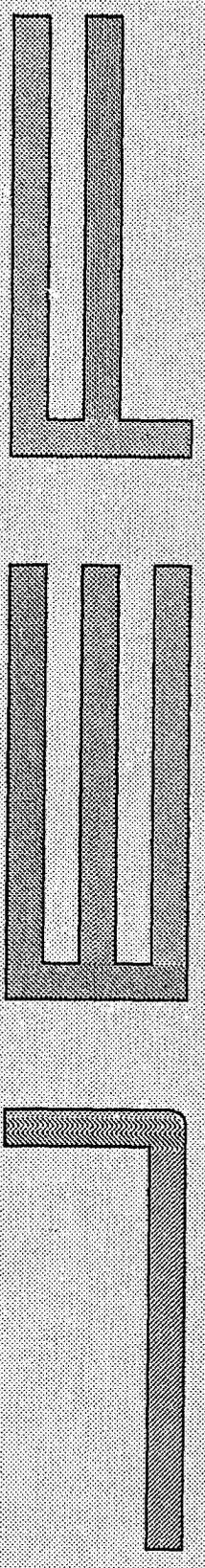
CONFIDENTIAL

JEF REPORT 1



INDEX TO THE JEF-1 NUCLEAR DATA LIBRARY

VOLUME I

GENERAL PURPOSE FILE

JULY 1985

OECD

NEA DATA BANK
BANQUE DE DONNEES DE L'AEN

OCDE

Table of Contents

INTRODUCTION

The Joint Evaluated File Project (JEF)

The JEF project was started in 1981 to bring together European and Japanese effort in reactor physics and nuclear data measurement and evaluation in order to create a comprehensive reference data base for fission reactor applications. Data for core and blanket performance, shielding, fuel recycling and plant decommissioning are included.

The JEF-1 file results from a scientific collaboration between laboratories in Austria, France, F.R. Germany, Italy, Japan, the Netherlands, Sweden, Switzerland and the United Kingdom. The project is supported by all member countries of NEA Data Bank, and the Data Bank is responsible for file assembly, simple data testing, and distribution of the data to users in these member countries.

New evaluation work and data testing against integral experiments is continuing in the participating countries, and it is expected the Data Bank will issue a revised version of JEF in 1987-8.

JEF-1 contains neutron interaction data for some 300 nuclides, in the General Purpose file covered by the present index, and Special Purpose files for thermal scattering law data, fission yields, decay data, and photon interaction data. The special files will be indexed in a separate report to be issued later. JEF-1 uses ENDF-5 format; multigroup cross-section data can be prepared from JEF using either the NJOY system (R. Macfarlane et al., LANL) or the family of codes prepared by D.E. Cullen (IAEA). Copies of these and other processing codes can also be obtained from the NEA Data Bank.

Documentation of JEF will be provided to users in the JEF Report series. The full JEF-1 library is available in two versions, with resonance data given either in parameter or pointwise form, and contains more than 2 million records: Tape copies have been distributed to national laboratories participating directly in the project, and can be supplied on request to users who need the whole library.

Unless users have an in-house storage and retrieval system for ENDF data, we strongly recommend them to make selective data requests for only those materials required for current use.

Structure of an ENDF format Data Tape

A complete evaluated library is normally divided into many different tapes, each one containing evaluations for a number of materials (MAT) in order of increasing MAT numbers. The tape allocations for the JEF-1 materials are shown on page 5. A material is defined as either an isotope or a collection of isotopes. It may be a single nuclide, a natural element containing several isotopes, or a molecule containing several elements. The MAT numbers assigned to each material in the JEF-1 General Purpose Library are given on page 6.

The data for each material is divided into files (MF) and each file contains the data for a certain class of information, for example MF=2 for resonance parameter data and MF=3 for neutron cross sections. The files are then subdivided into sections, each containing data for a particular reaction type (MT). A full explanation of the different MF and MT numbers is given on page 8 and 9 respectively.

Availability of JEF data

JEF data is available only to scientists in Data Bank member countries. Users are asked to treat the JEF-1 data and documents they receive as confidential.

REQUESTING JEF DATA

JEF data is available from the NEA Data Bank to scientists in member countries. The full library, including Special Purpose files, contains over two million records. Although copies of the full library may be useful to laboratories with their own ENDF format data storage and retrieval system, we recommend selective retrievals of only those materials required for current use. The Data Bank holds a "frozen" copy of JEF-1 on disk, so that data received in answer to later requests will still be compatible with those acquired now.

Defining data requests

Requests should be defined as precisely as possible to avoid unnecessary manipulation of large amounts of data.

The following quantities can be specified:

Tape number
Tape category (parameter or pointwise)
Material number or Z and A (isotopes)
Reaction or MF and MT
Energy range

Output formats

A choice of three output formats is available. Examples are presented on page 3:

1. Standard ENDF-5 format (See ENDF-102 for the format specifications)

2. Table display format (Useful for short data sets to be listed on printers). This format is restricted to cross section data (MF=3).

3. Computational format (one data point per record in the same format as the EXFOR computational format for experimental data also available from the Data Bank). This format is restricted to cross section data (MF=3).

For JEF data the format is defined as follows:

column	quantity
1- 3	Z
4- 6	A
7- 9	MT
17- 17	Flag indicating evaluated data (=1)
18- 19	MF
20- 20	Interpolation law (0 for last point)
21- 25	Library name (JEF-1)
26- 33	Material number (right justified)
34- 44	Neutron energy (eV)
45- 55	Not used (reserved)
56- 66	Negative of the Q value (eV)
67- 88	Not used (reserved)
89- 99	Cross section (Barn)
100-132	Not used (reserved)

Restrictions on the use and distribution of JEF-1

Users are asked to treat the JEF-1 data they receive as confidential. Neither the evaluated data themselves nor any multigroup data sets derived from them, nor the JEF documentation should be copied or communicated to any person outside your laboratory: if colleagues in other laboratories wish to have these or other JEF data, they should request them directly from NEA Data Bank.

Small-scale or partial plots of JEF data for single isotopes may be included in publications, where they should be referred to as taken from "the JEF-1 evaluated library", but systematic plots or any other form of publication likely to undermine the confidentiality of JEF is to be avoided. In case of any doubt about publication or quoting from JEF-1 data, please contact NEA Data Bank.

3

SAMPLE OUTPUT FORMATS

ENDFB format

```
8.01600+ 3 1.58580+ 1          0         99          0          04086 3104  277
0.00000+ 0-9.90100+ 6          0          0          1         234086 3104  278
      23          2            0          0          0          04086 3104  279
1.052600+7 0.00000+ 0 1.100000+7 1.00000- 4 1.110000+7 2.00000- 44086 3104  280
1.120000+7 5.00000- 4 1.130000+7 1.10000- 3 1.150000+7 2.60000- 34086 3104  281
1.200000+7 6.80000- 3 1.250000+7 1.11550- 2 1.300000+7 1.43420- 24086 3104  282
1.350000+7 1.55290- 2 1.400000+7 1.53000- 2 1.450000+7 1.39050- 24086 3104  283
1.500000+7 1.22210- 2 1.550000+7 1.04520- 2 1.600000+7 8.70000- 34086 3104  284
1.650000+7 7.00000- 3 1.700000+7 5.90000- 3 1.750000+7 5.06250- 34086 3104  285
1.800000+7 4.40000- 3 1.850000+7 3.98750- 3 1.900000+7 3.60000- 34086 3104  286
1.950000+7 3.25000- 3 2.000000+7 2.90000- 3 0.00000+ 0 0.00000+ 04086 3104  287
                                                                 4086 3  0  288
```

Display format

```
                                     JEF1
--------------------------------------------------------------------------------------------
Material Number:    4086       Isotope : Z=  8- A= 16
File number    :       3       neutron cross sections
Reaction number:     104       (N,D)SIG
--------------------------------------------------------------------------------------------

                                           No of data points:      23


                                       Interpolation scheme between energies
                                        range            law
                                           1   23        LIN-LIN
 target     residual
nucleus     nucleus
  state     state(s)           Q           n       E         sig(E)          E        sig(E)           E        sig(E)
                             (eV)                 (eV)       (barn)         (eV)       (barn)         (eV)      (barn)
    0       ALL            9.901E+06
                                           1  1.0526E+07  0.0000E+00    1.1000E+07  1.0000E-04    1.1100E+07  2.0000E-04
                                           4  1.1200E+07  5.0000E-04    1.1300E+07  1.1000E-03    1.1500E+07  2.6000E-03
                                           7  1.2000E+07  6.8000E-03    1.2500E+07  1.1155E-02    1.3000E+07  1.4342E-02
                                          10  1.3500E+07  1.5529E-02    1.4000E+07  1.5300E-02    1.4500E+07  1.3905E-02
                                          13  1.5000E+07  1.2221E-02    1.5500E+07  1.0452E-02    1.6000E+07  8.7000E-03
                                          16  1.6500E+07  7.0000E-03    1.7000E+07  5.9000E-03    1.7500E+07  5.0625E-03
                                          19  1.8000E+07  4.4000E-03    1.8500E+07  3.9875E-03    1.9000E+07  3.6000E-03
                                          22  1.9500E+07  3.2500E-03    2.0000E+07  2.9000E-03    0.0000E+00  0.0000E+00
```

Computational format

```
8  16104        1 32JEF-1    4086 1.052600+7          9.9010E+06                    0.0000E+00
8  16104        1 32JEF-1    4086 1.100000+7          9.9010E+06                    1.0000E-04
8  16104        1 32JEF-1    4086 1.110000+7          9.9010E+06                    2.0000E-04
8  16104        1 32JEF-1    4086 1.120000+7          9.9010E+06                    5.0000E-04
8  16104        1 32JEF-1    4086 1.130000+7          9.9010E+06                    1.1000E-03
8  16104        1 32JEF-1    4086 1.150000+7          9.9010E+06                    2.6000E-03
8  16104        1 32JEF-1    4086 1.200000+7          9.9010E+06                    6.8000E-03
8  16104        1 32JEF-1    4086 1.250000+7          9.9010E+06                    1.1155E-02
8  16104        1 32JEF-1    4086 1.300000+7          9.9010E+06                    1.4342E-02
8  16104        1 32JEF-1    4086 1.350000+7          9.9010E+06                    1.5529E-02
8  16104        1 32JEF-1    4086 1.400000+7          9.9010E+06                    1.5300E-02
8  16104        1 32JEF-1    4086 1.450000+7          9.9010E+06                    1.3905E-02
8  16104        1 32JEF-1    4086 1.500000+7          9.9010E+06                    1.2221E-02
8  16104        1 32JEF-1    4086 1.550000+7          9.9010E+06                    1.0452E-02
8  16104        1 32JEF-1    4086 1.600000+7          9.9010E+06                    8.7000E-03
8  16104        1 32JEF-1    4086 1.650000+7          9.9010E+06                    7.0000E-03
8  16104        1 32JEF-1    4086 1.700000+7          9.9010E+06                    5.9000E-03
8  16104        1 32JEF-1    4086 1.750000+7          9.9010E+06                    5.0625E-03
8  16104        1 32JEF-1    4086 1.800000+7          9.9010E+06                    4.4000E-03
8  16104        1 32JEF-1    4086 1.850000+7          9.9010E+06                    3.9875E-03
8  16104        1 32JEF-1    4086 1.900000+7          9.9010E+06                    3.6000E-03
8  16104        1 32JEF-1    4086 1.950000+7          9.9010E+06                    3.2500E-03
8  16104        1 30JEF-1    4086 2.000000+7          9.9010E+06                    2.9000E-03
```

STRUCTURE OF THE INDEX

The JEF-1 index is ordered by increasing atomic number or element. Within each element the isotopes are ordered by increasing mass number.

Each isotope (or material) begins with a title line:

Isotope name Tape numbers Material number

Two tape numbers are given, corresponding to the parameter and pointwise representations of the evaluations of the material. For example: Tape 3,13 means that the resonance region of the material is present on tape 3 in parameter form and on tape 13 in pointwise form.

In cases with no parametrization of the resonance region, indicated by "scattering radius" under MF=2, MT=151, the evaluations on both tapes are identical.

For each material, the index is ordered by increasing MF and MT numbers. The data on the magnetic tapes follow this order.

TAPE ALLOCATION FOR JEF-1 FILES

TAPE NO	Z RANGE	CONTENT	TYPE OF DATA	NUMBER OF RECORDS
		Index: Volume 1		
1	1 - 23	Light elements	Res.Param.	87 858
2	24 - 30	Structural materials	Res.Param.	136 813
3	31 - 47	Fission products 1	Res.Param.	117 779
4	48 - 59	Fission products 2	Res.Param.	114 866
5	60 - 65	Fission products 3	Res.Param.	112 833
6	66 - 83	Heavy elements	Res.Param.	81 102
7	90 - 92	Actinides 1	Res.Param.	21 125
8	93 - 94	Actinides 2	Res.Param.	26 668
9	95 - 99	Actinides 3	Res.Param.	70 953
10	not assigned			
11	1 - 23	Light elements	Pointwise	88 986
12	24 - 30	Structural materials	Pointwise	188 276
13	31 - 47	Fission products 1	Pointwise	256 193
14	48 - 59	Fission products 2	Pointwise	262 336
15	60 - 65	Fission products 3	Pointwise	190 509
16	66 - 83	Heavy elements	Pointwise	200 539
17	90 - 92	Actinides 1	Pointwise	175 189
18	93 - 94	Actinides 2	Pointwise	130 901
19	95 - 99	Actinides 3	Pointwise	164 469
20	not assigned			
		Index: Volume 2		
21	---	Scattering law data	$S(\alpha,\beta)$	
22	1 -103	Radioactive decay data	MF=8,MT=457	
23	90 - 94	Unadj. fission yield data	MF=8,MT=454	
24	90 - 94	Adj. fission yield data	MF=8,MT=454	
25	1 - 94	Photon interaction data	MF=23,MF=27	

MATERIAL ALLOCATION (MAT)

MAT	ISOTOPE	MAT	ISOTOPE	MAT	ISOTOPE
4011	1-H - 1	4380	38-SR- 90	4501	50-SN-114
4012	1-D - 2	4384	38-SR- 84	4502	50-SN-115
4013	1-T - 3	4386	38-SR- 86	4503	50-SN-116
4023	2-HE- 3	4387	38-SR- 87	4504	50-SN-117
4024	2-HE- 4	4388	38-SR- 88	4505	50-SN-118
4036	3-LI- 6	4389	38-SR- 89	4506	50-SN-119
4037	3-LI- 7	4390	39-Y - 90	4507	50-SN-120
4049	4-BE- 9	4391	39-Y - 91	4508	50-SN-122
4050	5-B - 10	4399	39-Y - 89	4509	50-SN-123
4051	5-B - 11	4400	40-ZR- 90	4510	50-SN-124
4060	6-C - 0	4401	40-ZR- 91	4511	50-SN-125
4074	7-N - 14	4402	40-ZR- 92	4512	50-SN-126
4086	8-O - 16	4403	40-ZR- 93	4513	51-SB-121
4099	9-F - 19	4404	40-ZR- 94	4514	51-SB-123
4112	11-NA- 22	4405	40-ZR- 95	4515	51-SB-124
4113	11-NA- 23	4406	40-ZR- 96	4516	51-SB-125
4120	12-MG- 0	4409	40-ZR- 0	4517	51-SB-126
4137	13-AL- 27	4413	41-NB- 93	4520	52-TE-120
4140	14-SI- 0	4414	41-NB- 94	4521	52-TE-122
4170	17-CL- 0	4415	41-NB- 95	4522	52-TE-123
4180	18-AR- 40	4420	42-MO- 0	4523	52-TE-124
4186	18-AR- 36	4421	42-MO-100	4524	52-TE-125
4188	18-AR- 38	4422	42-MO- 92	4525	52-TE-126
4190	19-K - 0	4424	42-MO- 94	4526	52-TE-127M
4200	20-CA- 0	4425	42-MO- 95	4527	52-TE-128
4220	22-TI- 0	4426	42-MO- 96	4528	52-TE-129M
4230	23-V - 0	4427	42-MO- 97	4529	52-TE-130
4240	24-CR- 0	4428	42-MO- 98	4530	52-TE-132
4241	24-CR- 50	4429	42-MO- 99	4533	53-I -127
4255	25-MN- 55	4439	43-TC- 99	4534	53-I -129
4260	26-FE- 0	4440	44-RU-100	4535	53-I -130
4264	26-FE- 54	4441	44-RU-101	4536	53-I -131
4277	27-CO- 58G	4442	44-RU-102	4537	53-I -135
4278	27-CO- 58M	4443	44-RU-103	4540	54-XE-124
4279	27-CO- 59	4444	44-RU-104	4541	54-XE-126
4280	28-NI- 0	4445	44-RU-105	4542	54-XE-128
4282	28-NI- 62	4446	44-RU-106	4543	54-XE-129
4284	28-NI- 64	4447	44-RU- 96	4544	54-XE-130
4288	28-NI- 58	4448	44-RU- 98	4545	54-XE-131
4290	29-CU- 0	4449	44-RU- 99	4546	54-XE-132
4304	30-ZN- 64	4453	45-RH-103	4547	54-XE-133
4310	31-GA- 0	4455	45-RH-105	4548	54-XE-134
4322	32-GE- 72	4460	46-PD-110	4549	54-XE-135
4323	32-GE- 73	4462	46-PD-102	4551	54-XE-136
4324	32-GE- 74	4464	46-PD-104	4553	55-CS-133
4326	32-GE- 76	4465	46-PD-105	4554	55-CS-134
4335	33-AS- 75	4466	46-PD-106	4555	55-CS-135
4340	34-SE- 80	4467	46-PD-107	4556	55-CS-136
4342	34-SE- 82	4468	46-PD-108	4557	55-CS-137
4344	34-SE- 74	4471	47-AG-111	4560	56-BA-140
4346	34-SE- 76	4477	47-AG-107	4564	56-BA-134
4347	34-SE- 77	4479	47-AG-109	4565	56-BA-135
4348	34-SE- 78	4480	48-CD- 0	4566	56-BA-136
4351	35-BR- 81	4481	48-CD-106	4567	56-BA-137
4359	35-BR- 79	4482	48-CD-108	4568	56-BA-138
4360	36-KR- 80	4483	48-CD-110	4570	57-LA-140
4362	36-KR- 82	4484	48-CD-111	4579	57-LA-139
4363	36-KR- 83	4485	48-CD-112	4580	58-CE-140
4364	36-KR- 84	4486	48-CD-113	4581	58-CE-141
4365	36-KR- 85	4487	48-CD-114	4582	58-CE-142
4366	36-KR- 86	4488	48-CD-115M	4583	58-CE-143
4368	36-KR- 78	4489	48-CD-116	4584	58-CE-144
4375	37-RB- 85	4493	49-IN-113	4591	59-PR-141
4376	37-RB- 86	4495	49-IN-115	4592	59-PR-142
4377	37-RB- 87	4500	50-SN-112	4593	59-PR-143

MAT	ISOTOPE	MAT	ISOTOPE	MAT	ISOTOPE
4600	60-ND-150	4659	65-TB-159	4925	92-U -235
4602	60-ND-142	4660	66-DY-160	4926	92-U -236
4603	60-ND-143	4661	66-DY-161	4927	92-U -237
4604	60-ND-144	4662	66-DY-162	4928	92-U -238
4605	60-ND-145	4663	66-DY-163	4937	93-NP-237
4606	60-ND-146	4664	66-DY-164	4938	93-NP-238
4607	60-ND-147	4675	67-HO-165	4939	93-NP-239
4608	60-ND-148	4686	68-ER-166	4940	94-PU-240
4611	61-PM-147	4687	68-ER-167	4941	94-PU-241
4612	61-PM-148G	4715	71-LU-175	4942	94-PU-242
4613	61-PM-148M	4716	71-LU-176	4943	94-PU-243
4614	61-PM-149	4720	72-HF-180	4944	94-PU-244
4615	61-PM-151	4724	72-HF-174	4946	94-PU-236
4620	62-SM-150	4726	72-HF-176	4947	94-PU-237
4621	62-SM-151	4727	72-HF-177	4948	94-PU-238
4622	62-SM-152	4728	72-HF-178	4949	94-PU-239
4623	62-SM-153	4729	72-HF-179	4951	95-AM-241
4624	62-SM-154	4731	73-TA-181	4952	95-AM-242G
4626	62-SM-144	4732	73-TA-182	4953	95-AM-242M
4627	62-SM-147	4742	74-W -182	4954	95-AM-243
4628	62-SM-148	4743	74-W -183	4961	96-CM-241
4629	62-SM-149	4744	74-W -184	4962	96-CM-242
4631	63-EU-151	4746	74-W -186	4963	96-CM-243
4632	63-EU-152	4755	75-RE-185	4964	96-CM-244
4633	63-EU-153	4757	75-RE-187	4965	96-CM-245
4634	63-EU-154	4797	79-AU-197	4966	96-CM-246
4635	63-EU-155	4820	82-PB- 0	4967	96-CM-247
4636	63-EU-156	4839	83-BI-209	4968	96-CM-248
4637	63-EU-157	4900	90-TH-230	4979	97-BK-249
4640	64-GD-160	4902	90-TH-232	4980	98-CF-250
4644	64-GD-154	4911	91-PA-231	4981	98-CF-251
4645	64-GD-155	4913	91-PA-233	4982	98-CF-252
4646	64-GD-156	4922	92-U -232	4983	98-CF-253
4647	64-GD-157	4923	92-U -233	4989	98-CF-249
4648	64-GD-158	4924	92-U -234	4993	99-ES-253
4650	65-TB-160				

DEFINITION OF FILE NUMBERS (MF)

MF	Class of Data - Abbreviation used in the index
1	General Information - Information
2	Resonance Parameters - Res. parm.
3	Neutron Cross Sections - $\sigma(E)$
4	Angular Distributions of Secondary Neutrons - $d\sigma/d\theta$
5	Energy Distributions of Secondary Neutrons - $d\sigma/dE$
6	Energy-Angular Distributions for Secondary Neutrons
7	Thermal Neutron Scattering Law Data - $S(\alpha,\beta)$
8	Radioactive Decay and Fission Product Yield Data - Rdd,Fpy
9	Multiplicities for Production of Radioactive Nuclides
10	Cross Sections for Production of Radioactive Nuclides
11	General Comments of Photon Production
12	Photon Production Multiplicities and Transition Probability - mult(γ)
13	Photon Production Cross Section - $\sigma(E)(\gamma)$
14	Photon Angular Distributions - $d\sigma/d\theta(\gamma)$
15	Continuous Photon Energy Spectra - $d\sigma/dE(\gamma)$
16	Photon Energy-Angle Distributions
17	Discrete Delayed Gamma Rays
18	Continuous Spectra of Delayed-Photon Emission
19	Electron Multiplicities and Transition Probability Arrays
20	Electron Production Cross Sections
21	Electron Angular Distributions
22	Continuous Electron Energy Spectra
23	"Smooth" Photon Interaction Cross Sections - $\sigma(E\gamma)$
24	Secondary Angular Distributions for Photon Interaction - $d\sigma(\gamma)/d\theta$
25	Secondary Energy Distributions for Photon Interaction - $d\sigma(\gamma)/dE$
26	Secondary Energy-Angle Distributions for Photon Interaction
27	Atomic Form Factors or Scattering Functions for Photon Interaction - Aff
28	Not used
29	Not used
30	Not used
31	Covariances of the Average Number of Neutrons per Fission
32	Covariances of Resonance
33	Covariances of Neutron Cross Sections

DEFINITION OF REACTION TYPES

MT (Range)	Description of Class of Reactions
1 -100	Reaction Types in which Secondary Particles of the same Type as the Incident Particles are Emitted
101-150	Reaction Types in which no Secondary Particles of the same Type as the Incident Particles are Emitted
151-200	Resonance Region Information
201-450	Additional Quantities Derived from the Basic Data
451-699	Miscellaneous Quantities
700-799	Excitation Cross Sections for the Reactions that Emit Charged Particles
800-999	(not assigned)

MT	Description
1	Total Cross Section
2	Elastic Cross Section
3	Nonelastic Cross Section
4	Total Inelastic Cross Section
5	(not assigned)
6 - 9	(n,2n) Cross Section for 1st to 4th Excited State (Describes First Neutron)
10 - 15	to be assigned
16	Direct (n,2n) Cross Section (Total (n,2n) Cross Section is Sum of MT= 6,7,8,9,16
17	(n,3n) Cross Section
18	Total Fission Cross Section (Sum of MT=19,20,21,38)
19	(n,f) Cross Section (First Chance Fission)
20	(n,n'+f) Cross Section (Second Chance Fission)
21	(n,2n+f) Cross Section (Third Chance Fission)
22	(n,n'+alpha) Cross Section
23	(n,n'+3alpha) Cross Section
24	(n,2n+alpha) Cross Section
25	(n,3n+alpha) Cross Section
26	(n,2n) Isomeric State Cross Section
27	Absorption Cross Section (Sum of MT=18 and 101)
28	(n,n'+p) Cross Section
29	(n,n'+2alpha) Cross Section
30	(n,2n+2alpha) Cross Section
31	to be used as *LR* flag only
32	(n,n'+d) Cross Section
33	(n,n'+t) Cross Section
34	(n,n'+He3) Cross Section
35	(n,n'+d+2alpha) Cross Section
36	(n,n'+t+2alpha) Cross Section
37	(n,4n) Cross Section
38	(n,3n+f)Cross Section (4th Chance Fission)
39 - 40	to be used as *LR* flag only
41 - 45	not assigned
46 - 49	Cross Section for Describing the Second Neutron from (n,2n) Reaction for the 1st to the 4th Excited State
50	not assigned
51 - 90	(n,n') to the 1st up to the 40th Excited State
91	(n,n') to the Continuum
92 - 100	not assigned
101	Neutron Disappearance (Sum of all Cross Sections in which a Neutron is not in the Exit Channel (101 Sum of MT=102 through MT=114))
102	(n,gamma) Radiative Capture Cross Section
103	(n,p) Cross Section
104	(n,d) Cross Section
105	(n,t) Cross Section
106	(n,He3) Cross Section
107	(n,alpha) Cross Section
108	(n,2alpha) Cross Section
109	(n,3alpha) Cross Section
110	not assigned
111	(n,2p) Cross Section
112	(n,p+alpha) Cross Section
113	(n,t+2alpha) Cross Section
114	(n,d+2alpha) Cross Section
115 - 119	not assigned
120	Target Destruction = Nonelastic less Total (n,n'gamma)
121 - 150	not assigned

MT	Description
151	General Designation for Resonance Information
152 - 202	not assigned
203	Total Hydrogen Production
203	Total Deuterium Production
204	Total Deuterium Production
205	Total Tritium Production
206	Total He3 Production
207	Total He4 Production
208 - 250	not assigned
251	The Average Cosine of the Scattering Angle (lab) for Elastic Scattering
252	The Average Logarithmic Energy Decrement for Elastic Scattering
253	The Average of the Square of the Logarithmic Energy Decrement for Elastic Scattering, Divided by Twice the Average Logarithmic Decrement for Elastic Scattering
254 - 300	not assigned
301 - 450	Energy Release Rate Parameters, Average(E*sigma),for Total and Partial Cross Sections. Subtract 300 from this Number to obtain the Specific Reaction Type Identification. for example MT=302=(300+2) denotes Elastic Scattering
451	Heading or Title Information (given only in MF=1)
452	Average Total (Prompt + Delayed) Number of Neutrons Released per Fission Event
454	Independent Fission Product Yield Data
455	Delayed Neutrons from Fission
456	Prompt Neutron from Fission
457	Radioactive Decay Data
458	Energy Release in Fission
459	Cumulative Fission Product Yield Data
460 - 464	not assigned
465	Delayed Neutrons from Spontaneous Fission
466	Prompt Neutrons from Spontaneous Fission
467 - 500	not assigned
501	Total Photon Interaction Cross Section
502	Photon Coherent Scattering
503	not assigned
504	Photon Coherent Scattering
505 - 514	not assigned
515	Pair Production, Electron Field
516	Pair Production, Nuclear and Electron Field (i.e., Pair +Triplet Production)
517	Pair Production Nuclear Field
518	Photofission (gamma,f)
519 - 531	not assigned
532	Photoneutron (gamma,n)
533	Total Photonuclear
534 - 601	not assigned
602	Photoelectric
603 - 699	not assigned
700	(n,p) Cross Section (Cross Section for Leaving the Residual Nucleus in the Ground State)
701 - 717	(n,p) Cross Section for the 1st to the 17th Excited State
718	(n,p) Cross Section for the Continuum Excited State
719	(n,p) Cross Section for Continuum Specifically not Included in Sigma Total (Redundant used for Describing Outgoing Proton)
720	(n,d) Cross Section for the Ground State
721 - 737	(n,d) Cross Section for the 1st to the 17th Excited State
738	(n,d) Cross Section for the Continuum Excited State
739	(n,d) Cross Section for Continuum Specifically not Included in Sigma Total (Redundant, used for Describing Outgoing Neutron)
740	(n,t) Cross Section for the Ground State
741 - 757	(n,t) Cross Section for the 1st to the 17th Excited State
758	(n,t) Cross Section for the Continuum Excited State
759	(n,t) Cross Section for Continuum Specifically not Included in Sigma Total (Redundant, used for Describing Outgoing Triton)
760	(n,He3) Cross Section for the Ground State
761 - 777	(n,He3) Cross Section for the 1st to the 17th Excited State
778	(n,He3) Cross Section for the Continuum Excited State
779	(n,He3) Cross Section for Continuum Specifically not Included in Sigma Total (Redundant, used for Describing Outgoing He3)
780	(n,alpha) Cross Section for the Ground State
781 - 797	(n,alpha) Cross Section for 1st to the 17th Excited State
798	(n,alpha) Cross Section for the Continuum Excited State
799	(n,alpha) Cross Section for Continuum Specifically not Included in Sigma Total (Redundant, used to Describe Outgoing Alpha)
800 - 999	not assigned

JOINT EVALUATED FILE INDEX

MF	MT	MT
1-H - 1	**Tape no: 1,11 Material no: 4011**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	
12:mult(γ)	102:(n,γ)	
14:dσ/dθ(γ)	102:(n,γ)	
33:Covariance	1:(n,tot)	2:(n,el)
	102:(n,γ)	
1-H - 2	**Tape no: 1,11 Material no: 4012**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	16:(n,2n)	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
5:dσ/dE	16:(n,2n)	
7:S(α,β)	4:(n,inel)	
12:mult(γ)	102:(n,γ)	
14:dσ/dθ(γ)	102:(n,γ)	
1-H - 3	**Tape no: 1,11 Material no: 4013**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	16:(n,2n)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
5:dσ/dE	16:(n,2n)	

2-He- 3 JOINT EVALUATED FILE INDEX

	MF	MT	MT
2-He- 3	Tape no: 1,11	Material no: 4023	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		103:(n,p)	104:(n,d)
		251:μ	252:ξ
		253:γ	
	4:$d\sigma/d\theta$	2:(n,el)	
2-He- 4	Tape no: 1,11	Material no: 4024	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:$\dot{\sigma}$(E)	1:(n,tot)	2:(n,el)
		251:μ	252:ξ
		253:γ	
	4:$d\sigma/d\theta$	2:(n,el)	

JOINT EVALUATED FILE INDEX 3-Li- 6

MF		MT	MT
3-Li- 6	Tape no: 1,11 Material no: 4036		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	24:(n,2n+α)
		51:(n,n')1st level-	81:(n,n')31st level
		102:(n,γ)	103:(n,p)
		105:(n,t)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	24:(n,2n+α)
		51:(n,n')1st level-	81:(n,n')31st level
		105:(n,t)	
	5:dσ/dE	24:(n,2n+α)	
	8:Rdd,Fpy	103:(n,p)	105:(n,t)
	9:Mult(R.N.)	103:(n,p)	105:(n,t)
	12:mult(γ)	57:(n,n')7th level	102:(n,γ)
	14:dσ/dθ(γ)	57:(n,n')7th level	102:(n,γ)
	33:Covariance	1:(n,tot)	2:(n,el)
		105:(n,t)	
3-Li- 7	Tape no: 1,11 Material no: 4037		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		24:(n,2n+α)	51:(n,n')1st level
		91:(n,n')continuum	102:(n,γ)
		104:(n,d)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		24:(n,2n+α)	51:(n,n')1st level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	24:(n,2n+α)
		91:(n,n')continuum	
	12:mult(γ)	51:(n,n')1st level	102:(n,γ)
	14:dσ/dθ(γ)	51:(n,n')1st level	102:(n,γ)

4-Be- 9 JOINT EVALUATED FILE INDEX

	MF	MT	MT
4-Be- 9	Tape no: 1,11	Material no: 4049	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		6:(n,2n)1st level-	9:(n,2n)4th level
		46:(n,2n)1st level-	49:(n,2n)4th level
		102:(n,γ)	103:(n,p)
		104:(n,d)	105:(n,t)
		107:(n,α)	251:μ
		252:ξ	253:γ
		740:(n,t)g.s.-	741:(n,t)1st level
	4:dσ/dθ	2:(n,el)	6:(n,2n)1st level-
		9:(n,2n)4th level	46:(n,2n)1st level-
		49:(n,2n)4th level	
	5:dσ/dE	46:(n,2n)1st level-	49:(n,2n)4th level
	12:mult(γ)	102:(n,γ)	741:(n,t)1st level
	14:dσ/dθ(γ)	102:(n,γ)	741:(n,t)1st level
	15:dσ/dE(γ)	102:(n,γ)	741:(n,t)1st level

JOINT EVALUATED FILE INDEX

	MF	MT	MT
5-B - 10	Tape no: 1,11	Material no: 4050	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		85:(n,n')35th level	102:(n,γ)
		103:(n,p)	104:(n,d)
		107:(n,α)	113:(n,t+2α)
		251:μ	252:ξ
		253:γ	700:(n,p)g.s.-
		703:(n,p)3rd level	780:(n,α)g.s.-
		781:(n,α)1st level	
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		85:(n,n')35th level	
	12:mult(γ)	102:(n,γ)	781:(n,α)1st level
	13:σ(E)(γ)	4:(n,inel)	103:(n,p)
	14:dσ/dθ(γ)	4:(n,inel)	102:(n,γ)
		103:(n,p)	781:(n,α)1st level
	33:Covariance	1:(n,tot)	2:(n,el)
		107:(n,α)	780:(n,α)(g.s.)-
		781:(n,α) level 1	
5-B - 11	Tape no: 1,11	Material no: 4051	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	53:(n,n')3rd level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	105:(n,t)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	53:(n,n')3rd level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum

6-C - 0 JOINT EVALUATED FILE INDEX

MF	MT	MT

6-C - 0 Tape no: 1,11 Material no: 4060

1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	68:(n,n')18th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	107:(n,α)
	203:(n,x)	204:(n,x)
	207:(n,x)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	68:(n,n')18th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
12:mult(γ)	102:(n,γ)	
13:σ(E)(γ)	51:(n,n')1st level	
14:dσ/dθ(γ)	51:(n,n')1st level	102:(n,γ)
33:Covariance	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n') level 1-
	68:(n,n') level 18	91:(n,n')(cont)
	102:(n,γ)	103:(n,p)
	104:(n,d)	107:(n,α)

JOINT EVALUATED FILE INDEX

MF	MT	MT
7-N - 14	Tape no: 1,11 Material no: 4074	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	82:(n,n')32nd level
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	107:(n,α)	108:(n,2α)
	251:μ	252:ξ
	253:γ	700:(n,p)g.s.-
	704:(n,p)4th level	720:(n,d)g.s.-
	723:(n,d)3rd level	740:(n,t)g.s.-
	790:(n,α)10th level	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	82:(n,n')32nd level
5:dσ/dE	16:(n,2n)	
7:S(α,β)	4:(n,inel)	
12:mult(γ)	102:(n,γ)	
13:σ(E)(γ)	4:(n,inel)	103:(n,p)
	104:(n,d)	105:(n,t)
	107:(n,α)	
14:dσ/dθ(γ)	4:(n,inel)	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	107:(n,α)

8-O - 16 JOINT EVALUATED FILE INDEX

MF	MT	MT
8-O - 16	Tape no: 1,11	Material no: 4086
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	89:(n,n')39th level	102:(n,γ)
	103:(n,p)	104:(n,d)
	107:(n,α)	251:μ
	252:ξ	253:γ
	780:(n,α)g.s.-	783:(n,α)3rd level
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	89:(n,n')39th level	
7:S(α,β)	4:(n,inel)	
12:mult(γ)	102:(n,γ)	
13:σ(E)(γ)	4:(n,inel)	22:(n,n+α)
	103:(n,p)	107:(n,α)
14:dσ/dθ(γ)	4:(n,inel)	22:(n,n+α)
	102:(n,γ)	103:(n,p)
	107:(n,α)	

MF	MT	MT
9-F - 19	Tape no: 1,11 Material no: 4099	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	71:(n,n')21st level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	71:(n,n')21st level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	22:(n,n+α)
	28:(n,n+p)	91:(n,n')continuum
13:σ(E)(γ)	3:(n,nonel)	4:(n,inel)
	102:(n,γ)	107:(n,α)
14:dσ/dθ(γ)	3:(n,nonel)	4:(n,inel)
	102:(n,γ)	107:(n,α)
15:dσ/dE(γ)	3:(n,nonel)	102:(n,γ)

11-Na- 22 JOINT EVALUATED FILE INDEX

MF		MT	MT
11-Na- 22	**Tape no: 1,11 Material no: 4112**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	61:(n,n')11th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		107:(n,α)	108:(n,2α)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	61:(n,n')11th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
11-Na- 23	**Tape no: 1,11 Material no: 4113**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	57:(n,n')7th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	57:(n,n')7th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum

JOINT EVALUATED FILE INDEX

MF		MT	MT
12-Mg- 0	Tape no: 1,11	Material no: 4120	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	90:(n,n')40th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	90:(n,n')40th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	91:(n,n')continuum
	12:mult(γ)	102:(n,γ)	
	13:σ(E)(γ)	4:(n,inel)	16:(n,2n)
	14:dσ/dθ(γ)	4:(n,inel)	16:(n,2n)
		102:(n,γ)	
	15:dσ/dE(γ)	4:(n,inel)	16:(n,2n)
		102:(n,γ)	

13-Al- 27 JOINT EVALUATED FILE INDEX

MF		MT	MT
13-Al- 27	Tape no: 1,11	Material no: 4137	
1:	Information	451:	(Gen. info.)
2:	Res. parm.	151:	scattering radius
3:	σ(E)	1:	(n,tot) 2: (n,el)
		4:	(n,inel) 16: (n,2n)
		51:	(n,n')1st level- 90: (n,n')40th level
		102:	(n,γ) 103: (n,p)
		104:	(n,d) 105: (n,t)
		107:	(n,α) 251: μ
		252:	ξ 253: γ
4:	$d\sigma/d\theta$	2:	(n,el) 16: (n,2n)
		51:	(n,n')1st level- 90: (n,n')40th level
5:	$d\sigma/dE$	16:	(n,2n)
12:	mult(γ)	102:	(n,γ)
13:	σ(E)(γ)	4:	(n,inel) 28: (n,n+p)
		103:	(n,p)
14:	$d\sigma/d\theta(\gamma)$	4:	(n,inel) 28: (n,n+p)
		102:	(n,γ) 103: (n,p)
15:	$d\sigma/dE(\gamma)$	4:	(n,inel) 28: (n,n+p)

JOINT EVALUATED FILE INDEX 14-Si- 0

MF		MT	MT
14-Si- 0	Tape no: 1,11 Material no: 4140		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	72:(n,n')22nd level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		107:(n,α)	251:μ
		252:ξ	253:γ
		700:(n,p)g.s.-	714:(n,p)14th level
		718:(n,p)continuum	719:(n,p)cont'
		780:(n,α)g.s.-	791:(n,α)11th level
		798:(n,α)continuum	799:(n,α)cont'
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	72:(n,n')22nd level
		91:(n,n')continuum	700:(n,p)g.s.-
		714:(n,p)14th level	718:(n,p)continuum
		719:(n,p)cont'	780:(n,α)g.s.-
		791:(n,α)11th level	798:(n,α)continuum
		799:(n,α)cont'	
	5:dσ/dE	16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	91:(n,n')continuum
		718:(n,p)continuum	719:(n,p)cont'
		798:(n,α)continuum	799:(n,α)cont'
	12:mult(γ)	102:(n,γ)	
	13:σ(E)(γ)	4:(n,inel)	22:(n,n+α)
		28:(n,n+p)	103:(n,p)
		107:(n,α)	
	14:dσ/dθ(γ)	4:(n,inel)	22:(n,n+α)
		28:(n,n+p)	102:(n,γ)
		103:(n,p)	107:(n,α)
	15:dσ/dE(γ)	4:(n,inel)	22:(n,n+α)
		28:(n,n+p)	103:(n,p)
		107:(n,α)	

17-Cl- 0 JOINT EVALUATED FILE INDEX

MF		MT	MT
17-Cl- 0	Tape no: 1,11 Material no: 4170		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	91:(n,n')continuum
	12:mult(γ)	91:(n,n')continuum	102:(n,γ)
	13:σ(E)(γ)	3:(n,nonel)	51:(n,n')1st level-
		61:(n,n')11th level	
	14:dσ/dθ(γ)	3:(n,nonel)	51:(n,n')1st level-
		61:(n,n')11th level	91:(n,n')continuum
		102:(n,γ)	
	15:dσ/dE(γ)	91:(n,n')continuum	

JOINT EVALUATED FILE INDEX

18-Ar- 36

MF	MT	MT
18-Ar- 36	**Tape no: 1,11 Material no: 4186**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	71:(n,n')21st level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	107:(n,α)	108:(n,2α)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	71:(n,n')21st level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
18-Ar- 38	**Tape no: 1,11 Material no: 4188**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	69:(n,n')19th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	107:(n,α)	108:(n,2α)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	69:(n,n')19th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
18-Ar- 40	**Tape no: 1,11 Material no: 4180**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	71:(n,n')21st level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	107:(n,α)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	71:(n,n')21st level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)

MF	MT	MT

(contd)
18-Ar- 40 Tape no: 1,11 Material no: 4180
91:(n,n')continuum

JOINT EVALUATED FILE INDEX

19-K - 0

MF		MT	MT
19-K - 0	Tape no: 1,11	Material no: 4190	
1:Information		451:(Gen. info.)	
2:Res. parm.		151:scattering radius	
3:σ(E)		1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	67:(n,n')17th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
		253:γ	
4:dσ/dθ		2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	67:(n,n')17th level
		91:(n,n')continuum	
5:dσ/dE		16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	91:(n,n')continuum
12:mult(γ)		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
13:σ(E)(γ)		51:(n,n')1st level-	56:(n,n')6th level
14:dσ/dθ(γ)		51:(n,n')1st level-	56:(n,n')6th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
15:dσ/dE(γ)		91:(n,n')continuum	

20-Ca- 0 JOINT EVALUATED FILE INDEX

MF		MT	MT
20-Ca- 0	Tape no: 1,11 Material no: 4200		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	73:(n,n')23rd level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	108:(n,2α)
		111:(n,2p)	112:(n,p+α)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	73:(n,n')23rd level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	91:(n,n')continuum
	12:mult(γ)	4:(n,inel)	22:(n,n+α)
		28:(n,n+p)	102:(n,γ)
		103:(n,p)	107:(n,α)
	14:dσ/dθ(γ)	4:(n,inel)	22:(n,n+α)
		28:(n,n+p)	102:(n,γ)
		103:(n,p)	107:(n,α)
	15:dσ/dE(γ)	4:(n,inel)	22:(n,n+α)
		28:(n,n+p)	102:(n,γ)
		103:(n,p)	107:(n,α)

JOINT EVALUATED FILE INDEX

	MF		MT	MT
22-Ti- 0	Tape no: 1,11 Material no: 4220			
	1:Information		451:(Gen. info.)	
	2:Res. parm.		151:scattering radius	
	3:σ(E)		1:(n,tot)	2:(n,el)
			4:(n,inel)	16:(n,2n)
			17:(n,3n)	22:(n,n+α)
			28:(n,n+p)	51:(n,n')1st level-
			53:(n,n')3rd level	91:(n,n')continuum
			102:(n,γ)	103:(n,p)
			104:(n,d)	105:(n,t)
			106:(n,He3)	107:(n,α)
			111:(n,2p)	112:(n,p+α)
			203:(n,x)	207:(n,x)
			251:μ	252:ξ
			253:γ	
	4:dσ/dθ		2:(n,el)	16:(n,2n)
			17:(n,3n)	22:(n,n+α)
			28:(n,n+p)	51:(n,n')1st level-
			53:(n,n')3rd level	91:(n,n')continuum
	5:dσ/dE		16:(n,2n)	17:(n,3n)
			22:(n,n+α)	28:(n,n+p)
			91:(n,n')continuum	
	12:mult(γ)		102:(n,γ)	
	13:σ(E)(γ)		3:(n,nonel)	
	14:dσ/dθ(γ)		3:(n,nonel)	102:(n,γ)
	15:dσ/dE(γ)		3:(n,nonel)	102:(n,γ)

23-V - 0 JOINT EVALUATED FILE INDEX

MF		MT	MT
23-V - 0	Tape no: 1,11	Material no: 4230	
1:Information		451:(Gen. info.)	
2:Res. parm.		151:scattering radius	
3:σ(E)		1:(n,tot)	2:(n,el)
		3:(n,nonel)	4:(n,inel)
		16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		104:(n,d)	105:(n,t)
		107:(n,α)	251:μ
		252:ξ	253:γ
4:dσ/dθ		2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	54:(n,n')4th level
		91:(n,n')continuum	
5:dσ/dE		16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	91:(n,n')continuum
12:mult(γ)		3:(n,nonel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		102:(n,γ)	
14:dσ/dθ(γ)		3:(n,nonel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		102:(n,γ)	
15:dσ/dE(γ)		3:(n,nonel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		102:(n,γ)	

JOINT EVALUATED FILE INDEX 24-Cr- 0

MF		MT	MT
24-Cr- 0	Tape no: 2,12	Material no: 4240	
1:Information		451:(Gen. info.)	
2:Res. parm.		151:(n,res)	
3:σ(E)		1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	90:(n,n')40th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	253:γ
4:dσ/dθ		2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	90:(n,n')40th level
		91:(n,n')continuum	
5:dσ/dE		16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	91:(n,n')continuum
12:mult(γ)		102:(n,γ)	
13:σ(E)(γ)		3:(n,nonel)	
14:dσ/dθ(γ)		3:(n,nonel)	102:(n,γ)
15:dσ/dE(γ)		3:(n,nonel)	102:(n,γ)
24-Cr- 50	Tape no: 2,12	Material no: 4241	
1:Information		451:(Gen. info.)	
2:Res. parm.		151:(n,res)	
3:σ(E)		1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	68:(n,n')18th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		107:(n,α)	251:μ
4:dσ/dθ		2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	68:(n,n')18th level
		91:(n,n')continuum	
5:dσ/dE		16:(n,2n)	91:(n,n')continuum

25-Mn- 55 JOINT EVALUATED FILE INDEX

MF	MT	MT
25-Mn- 55	Tape no: 2,12	Material no: 4255
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	3:(n,nonel)	4:(n,inel)
	16:(n,2n)	17:(n,3n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	55:(n,n')5th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	106:(n,He3)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	22:(n,n+α)	28:(n,n+p)
	91:(n,n')continuum	
12:mult(γ)	3:(n,nonel)	51:(n,n')1st level-
	55:(n,n')5th level	102:(n,γ)
14:dσ/dθ(γ)	3:(n,nonel)	51:(n,n')1st level-
	55:(n,n')5th level	102:(n,γ)
15:dσ/dE(γ)	3:(n,nonel)	102:(n,γ)

JOINT EVALUATED FILE INDEX

	MF	MT	MT
26-Fe- 0	Tape no: 2,12	Material no: 4260	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		3:(n,nonel)	4:(n,inel)
		16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		80:(n,n')30th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		104:(n,d)	105:(n,t)
		106:(n,He3)	107:(n,α)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	80:(n,n')30th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	91:(n,n')continuum
	12:mult(γ)	3:(n,nonel)	102:(n,γ)
	14:dσ/dθ(γ)	3:(n,nonel)	102:(n,γ)
	15:dσ/dE(γ)	3:(n,nonel)	102:(n,γ)
26-Fe- 54	Tape no: 2,12	Material no: 4264	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	64:(n,n')14th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		107:(n,α)	251:μ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	64:(n,n')14th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum

27-Co- 58 JOINT EVALUATED FILE INDEX

MF	MT	MT
27-Co- 58	**Tape no: 2,12 Material no: 4277**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	62:(n,n')12th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	107:(n,α)	251:μ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	62:(n,n')12th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
27-Co- 58M	**Tape no: 2,12 Material no: 4278**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	62:(n,n')12th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	107:(n,α)	251:μ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	62:(n,n')12th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
27-Co- 59	**Tape no: 2,12 Material no: 4279**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	59:(n,n')9th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	59:(n,n')9th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
12:mult(γ)	102:(n,γ)	
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	102:(n,γ)

MF	MT	MT
(contd)		
27-Co- 59	Tape no: 2,12	Material no: 4279
15:$d\sigma/dE(\gamma)$	3:(n,nonel)	102:(n,γ)

28-Ni- 0 JOINT EVALUATED FILE INDEX

	MF	MT	MT
28-Ni- 0	**Tape no: 2,12 Material no: 4280**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		28:(n,n+p)	51:(n,n')1st level-
		65:(n,n')15th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		28:(n,n+p)	51:(n,n')1st level-
		65:(n,n')15th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	28:(n,n+p)
		91:(n,n')continuum	
	12:mult(γ)	102:(n,γ)	
	13:σ(E)(γ)	3:(n,nonel)	
	14:dσ/dθ(γ)	3:(n,nonel)	102:(n,γ)
	15:dσ/dE(γ)	3:(n,nonel)	102:(n,γ)
28-Ni- 58	**Tape no: 2,12 Material no: 4288**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		107:(n,α)	251:μ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
28-Ni- 62	**Tape no: 2,12 Material no: 4282**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		62:(n,n')12th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		107:(n,α)	251:μ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		62:(n,n')12th level	91:(n,n')continuum

	MF	MT	MT
(contd)			
28-Ni- 62	Tape no: 2,12 Material no: 4282		
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	
28-Ni- 64	Tape no: 2,12 Material no: 4284		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		104:(n,d)	107:(n,α)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	

29-Cu- 0 JOINT EVALUATED FILE INDEX

MF		MT	MT
29-Cu- 0	Tape no: 2,12	Material no: 4290	
1:Information		451:(Gen. info.)	
2:Res. parm.		151:(n,res)	
3:σ(E)		1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		61:(n,n')11th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		104:(n,d)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	253:γ
4:dσ/dθ		2:(n,el)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		61:(n,n')11th level	91:(n,n')continuum
5:dσ/dE		16:(n,2n)	17:(n,3n)
		22:(n,n+α)	28:(n,n+p)
		91:(n,n')continuum	
12:mult(γ)		102:(n,γ)	
13:σ(E)(γ)		3:(n,nonel)	
14:dσ/dθ(γ)		3:(n,nonel)	102:(n,γ)
15:dσ/dE(γ)		3:(n,nonel)	102:(n,γ)

JOINT EVALUATED FILE INDEX

MF	MT	MT
30-Zn- 64	Tape no: 2,12 Material no: 4304	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	67:(n,n')17th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	107:(n,α)
	251:μ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	67:(n,n')17th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum

31-Ga- 0 JOINT EVALUATED FILE INDEX

MF		MT		MT
31-Ga- 0	Tape no: 3,13	Material no: 4310		
1:Information		451:(Gen. info.)		
2:Res. parm.		151:scattering radius		
3:σ(E)		1:(n,tot)	2:(n,el)	
		4:(n,inel)	16:(n,2n)	
		91:(n,n')continuum	102:(n,γ)	
		103:(n,p)	107:(n,α)	
		251:μ	252:ξ	
		253:γ		
4:dσ/dθ		2:(n,el)	16:(n,2n)	
		91:(n,n')continuum		
5:dσ/dE		16:(n,2n)	91:(n,n')continuum	
12:mult(γ)		102:(n,γ)		
13:σ(E)(γ)		3:(n,nonel)		
14:dσ/dθ(γ)		3:(n,nonel)	102:(n,γ)	
15:dσ/dE(γ)		3:(n,nonel)	102:(n,γ)	

	MF	MT	MT
32-Ge- 72	Tape no: 3,13	Material no: 4322	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
32-Ge- 73	Tape no: 3,13	Material no: 4323	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
32-Ge- 74	Tape no: 3,13	Material no: 4324	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
32-Ge- 76	Tape no: 3,13	Material no: 4326	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		52:(n,n')2nd level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		52:(n,n')2nd level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

33-As- 75 JOINT EVALUATED FILE INDEX

MF		MT	MT
33-As- 75	Tape no: 3,13	Material no: 4335	
1:Information		451:(Gen. info.)	
2:Res. parm.		151:(n,res)	
3:σ(E)		1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		63:(n,n')13th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
4:dσ/dθ		2:(n,el)	51:(n,n')1st level-
		63:(n,n')13th level	91:(n,n')continuum
5:dσ/dE		91:(n,n')continuum	

	MF	MT	MT
34-Se- 74	**Tape no: 3,13 Material no: 4344**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
34-Se- 76	**Tape no: 3,13 Material no: 4346**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
34-Se- 77	**Tape no: 3,13 Material no: 4347**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
34-Se- 78	**Tape no: 3,13 Material no: 4348**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
34-Se- 80	**Tape no: 3,13 Material no: 4340**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)

34-Se- 80 JOINT EVALUATED FILE INDEX

MF		MT	MT
(contd)			
34-Se- 80	Tape no: 3,13 Material no: 4340		
		4:(n,inel)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
34-Se- 82	Tape no: 3,13 Material no: 4342		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		53:(n,n')3rd level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		53:(n,n')3rd level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

	MF	MT	MT
35-Br- 79	Tape no: 3,13 Material no: 4359		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		61:(n,n')11th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		61:(n,n')11th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
35-Br- 81	Tape no: 3,13 Material no: 4351		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

36-Kr- 78 JOINT EVALUATED FILE INDEX

	MF	MT	MT
36-Kr- 78	**Tape no: 3,13**	**Material no: 4368**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	53:(n,n')3rd level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	53:(n,n')3rd level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
36-Kr- 80	**Tape no: 3,13**	**Material no: 4360**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	56:(n,n')6th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	56:(n,n')6th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
36-Kr- 82	**Tape no: 3,13**	**Material no: 4362**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	59:(n,n')9th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	59:(n,n')9th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
36-Kr- 83	**Tape no: 3,13**	**Material no: 4363**	
	1:Information	451:(Gen. info.)	

MF	MT	MT
(contd)		
36-Kr- 83	**Tape no: 3,13 Material no: 4363**	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	106:(n,He3)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
36-Kr- 84	**Tape no: 3,13 Material no: 4364**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	63:(n,n')13th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	63:(n,n')13th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
36-Kr- 85	**Tape no: 3,13 Material no: 4365**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	51:(n,n')1st level
	91:(n,n')continuum	
5:dσ/dE	91:(n,n')continuum	
36-Kr- 86	**Tape no: 3,13 Material no: 4366**	
1:Information	451:(Gen. info.)	

36-Kr- 86 JOINT EVALUATED FILE INDEX

MF	MT	MT
(contd)		
36-Kr- 86	Tape no: 3,13 Material no: 4366	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	64:(n,n')14th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	64:(n,n')14th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	

MF	MT	MT
37-Rb- 85	**Tape no: 3,13 Material no: 4375**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	53:(n,n')3rd level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	53:(n,n')3rd level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
37-Rb- 86	**Tape no: 3,13 Material no: 4376**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	51:(n,n')1st level
	91:(n,n')continuum	
5:dσ/dE	91:(n,n')continuum	
37-Rb- 87	**Tape no: 3,13 Material no: 4377**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	52:(n,n')2nd level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	52:(n,n')2nd level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	

38-Sr- 84 JOINT EVALUATED FILE INDEX

MF	MT	MT
38-Sr- 84	**Tape no: 3,13 Material no: 4384**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
38-Sr- 86	**Tape no: 3,13 Material no: 4386**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
38-Sr- 87	**Tape no: 3,13 Material no: 4387**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
38-Sr- 88	**Tape no: 3,13 Material no: 4388**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
38-Sr- 89	**Tape no: 3,13 Material no: 4389**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)

MF	MT	MT
(contd)		
38-Sr- 89	**Tape no: 3,13 Material no: 4389**	
	4:(n,inel)	**51**:(n,n')1st level-
	62:(n,n')12th level	**91**:(n,n')continuum
	102:(n,γ)	**251**:μ
	252:ξ	**253**:γ
4:dσ/dθ	**2**:(n,el)	**51**:(n,n')1st level-
	62:(n,n')12th level	**91**:(n,n')continuum
5:dσ/dE	**91**:(n,n')continuum	
38-Sr- 90	**Tape no: 3,13 Material no: 4380**	
1:Information	**451**:(Gen. info.)	
2:Res. parm.	**151**:scattering radius	
3:σ(E)	**1**:(n,tot)	**2**:(n,el)
	4:(n,inel)	**51**:(n,n')1st level-
	54:(n,n')4th level	**91**:(n,n')continuum
	102:(n,γ)	**251**:μ
	252:ξ	**253**:γ
4:dσ/dθ	**2**:(n,el)	**51**:(n,n')1st level-
	54:(n,n')4th level	**91**:(n,n')continuum
5:dσ/dE	**91**:(n,n')continuum	

39-Y - 89 JOINT EVALUATED FILE INDEX

MF		MT	MT
39-Y - 89	**Tape no: 3,13 Material no: 4399**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
39-Y - 90	**Tape no: 3,13 Material no: 4390**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		52:(n,n')2nd level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		52:(n,n')2nd level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
39-Y - 91	**Tape no: 3,13 Material no: 4391**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

	MF	MT	MT
40-Zr- 0	Tape no: 3,13	Material no: 4409	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	
	12:mult(γ)	102:(n,γ)	
	13:σ(E)(γ)	3:(n,nonel)	
	14:dσ/dθ(γ)	3:(n,nonel)	102:(n,γ)
	15:dσ/dE(γ)	3:(n,nonel)	102:(n,γ)
40-Zr- 90	Tape no: 3,13	Material no: 4400	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
40-Zr- 91	Tape no: 3,13	Material no: 4401	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		28:(n,n+p)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		107:(n,α)	251:μ
		252:ξ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		28:(n,n+p)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	28:(n,n+p)
		91:(n,n')continuum	
40-Zr- 92	Tape no: 3,13	Material no: 4402	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	

40-Zr- 92 JOINT EVALUATED FILE INDEX

	MF	MT	MT
(contd)			
40-Zr- 92	**Tape no: 3,13 Material no: 4402**		
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		66:(n,n')16th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		66:(n,n')16th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
40-Zr- 93	**Tape no: 3,13 Material no: 4403**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		22:(n,n+α)	28:(n,n+p)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	22:(n,n+α)
		28:(n,n+p)	91:(n,n')continuum
40-Zr- 94	**Tape no: 3,13 Material no: 4404**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
40-Zr- 95	**Tape no: 3,13 Material no: 4405**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	64:(n,n')14th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)

	MF	MT	MT
(contd)			
40-Zr- 95	Tape no: 3,13	Material no: 4405	
		51:(n,n')1st level-	64:(n,n')14th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
40-Zr- 96	Tape no: 3,13	Material no: 4406	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	53:(n,n')3rd level
		91:(n,n')continuum	102:(n,γ)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	53:(n,n')3rd level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum

41-Nb- 93 JOINT EVALUATED FILE INDEX

MF	MT	MT
41-Nb- 93	**Tape no: 3,13 Material no: 4413**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	51:(n,n')1st level-	62:(n,n')12th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	51:(n,n')1st level-	62:(n,n')12th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	22:(n,n+α)	91:(n,n')continuum
12:mult(γ)	102:(n,γ)	
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	102:(n,γ)
15:dσ/dE(γ)	3:(n,nonel)	102:(n,γ)
41-Nb- 94	**Tape no: 3,13 Material no: 4414**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
41-Nb- 95	**Tape no: 3,13 Material no: 4415**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	55:(n,n')5th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	55:(n,n')5th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum

	MF	MT	MT
42-Mo- 0	**Tape no: 3,13 Material no: 4420**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	70:(n,n')20th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	70:(n,n')20th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
42-Mo- 92	**Tape no: 3,13 Material no: 4422**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
42-Mo- 94	**Tape no: 3,13 Material no: 4424**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
42-Mo- 95	**Tape no: 3,13 Material no: 4425**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

42-Mo- 96 JOINT EVALUATED FILE INDEX

	MF	MT	MT
42-Mo- 96	Tape no: 3,13 Material no: 4426		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
42-Mo- 97	**Tape no: 3,13 Material no: 4427**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
42-Mo- 98	**Tape no: 3,13 Material no: 4428**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	69:(n,n')19th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	69:(n,n')19th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
42-Mo- 99	**Tape no: 3,13 Material no: 4429**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
42-Mo-100	**Tape no: 3,13 Material no: 4421**		

JOINT EVALUATED FILE INDEX

	MF	MT	MT
(contd)			
42-Mo-100	Tape no: 3,13 Material no: 4421		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum

43-Tc- 99 JOINT EVALUATED FILE INDEX

MF		MT	MT
43-Tc- 99	Tape no: 3,13	Material no: 4439	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	66:(n,n')16th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	66:(n,n')16th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum

	MF	MT	MT
44-Ru- 96	**Tape no: 3,13 Material no: 4447**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
44-Ru- 98	**Tape no: 3,13 Material no: 4448**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
44-Ru- 99	**Tape no: 3,13 Material no: 4449**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		62:(n,n')12th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		62:(n,n')12th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
44-Ru-100	**Tape no: 3,13 Material no: 4440**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
44-Ru-101	**Tape no: 3,13 Material no: 4441**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		69:(n,n')19th level	91:(n,n')continuum

44-Ru-101 JOINT EVALUATED FILE INDEX

MF	MT	MT
(contd)		
44-Ru-101	**Tape no: 3,13 Material no: 4441**	
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	69:(n,n')19th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
44-Ru-102	**Tape no: 3,13 Material no: 4442**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	69:(n,n')19th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	69:(n,n')19th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
44-Ru-103	**Tape no: 3,13 Material no: 4443**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	89:(n,n')39th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	107:(n,α)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	89:(n,n')39th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
44-Ru-104	**Tape no: 3,13 Material no: 4444**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	52:(n,n')2nd level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	52:(n,n')2nd level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
44-Ru-105	**Tape no: 3,13 Material no: 4445**	
1:Information	451:(Gen. info.)	

	MF	MT	MT
(contd)			
44-Ru-105	Tape no: 3,13 Material no: 4445		
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
44-Ru-106	Tape no: 3,13 Material no: 4446		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

45-Rh-103 JOINT EVALUATED FILE INDEX

	MF	MT	MT
45-Rh-103	Tape no: 3,13	Material no: 4453	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	74:(n,n')24th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	74:(n,n')24th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
45-Rh-105	Tape no: 3,13	Material no: 4455	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		53:(n,n')3rd level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		53:(n,n')3rd level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

MF	MT	MT
46-Pd-102	**Tape no: 3,13 Material no: 4462**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
46-Pd-104	**Tape no: 3,13 Material no: 4464**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	64:(n,n')14th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	64:(n,n')14th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
46-Pd-105	**Tape no: 3,13 Material no: 4465**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	90:(n,n')40th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	90:(n,n')40th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
46-Pd-106	**Tape no: 3,13 Material no: 4466**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	70:(n,n')20th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	

MF	MT	MT
(contd)		
46-Pd-106	**Tape no: 3,13 Material no: 4466**	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	70:(n,n')20th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
46-Pd-107	**Tape no: 3,13 Material no: 4467**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	67:(n,n')17th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	67:(n,n')17th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
46-Pd-108	**Tape no: 3,13 Material no: 4468**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	60:(n,n')10th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	60:(n,n')10th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
46-Pd-110	**Tape no: 3,13 Material no: 4460**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	60:(n,n')10th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)

MF	MT	MT
(contd)		
46-Pd-110	Tape no: 3,13 Material no: 4460	
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	60:(n,n')10th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum

47-Ag-107 JOINT EVALUATED FILE INDEX

MF		MT	MT
47-Ag-107	**Tape no: 3,13 Material no: 4477**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	56:(n,n')6th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	107:(n,α)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	56:(n,n')6th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
47-Ag-109	**Tape no: 3,13 Material no: 4479**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	64:(n,n')14th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	64:(n,n')14th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
47-Ag-111	**Tape no: 3,13 Material no: 4471**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

	MF	MT	MT
48-Cd- 0		Tape no: 4,14 Material no: 4480	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	54:(n,n')4th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	54:(n,n')4th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
48-Cd-106		Tape no: 4,14 Material no: 4481	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
48-Cd-108		Tape no: 4,14 Material no: 4482	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		62:(n,n')12th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		62:(n,n')12th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
48-Cd-110		Tape no: 4,14 Material no: 4483	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
48-Cd-111		Tape no: 4,14 Material no: 4484	

MF		MT	MT
(contd)			
48-Cd-111	Tape no: 4,14	Material no: 4484	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	60:(n,n')10th level
		91:(n,n')continuum	102:(n,γ)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	60:(n,n')10th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
48-Cd-112	Tape no: 4,14	Material no: 4485	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
48-Cd-113	Tape no: 4,14	Material no: 4486	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	53:(n,n')3rd level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	53:(n,n')3rd level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
48-Cd-114	Tape no: 4,14	Material no: 4487	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ

MF	MT	MT
(contd)		
48-Cd-114	**Tape no: 4,14 Material no: 4487**	
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
48-Cd-115M	**Tape no: 4,14 Material no: 4488**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
48-Cd-116	**Tape no: 4,14 Material no: 4489**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	

	MF	MT	MT
49-In-113	Tape no: 4,14	Material no: 4493	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
49-In-115	Tape no: 4,14	Material no: 4495	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		62:(n,n')12th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		62:(n,n')12th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

JOINT EVALUATED FILE INDEX

MF	MT	MT
50-Sn-112	**Tape no: 4,14 Material no: 4500**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	67:(n,n')17th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	67:(n,n')17th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
50-Sn-114	**Tape no: 4,14 Material no: 4501**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
50-Sn-115	**Tape no: 4,14 Material no: 4502**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
50-Sn-116	**Tape no: 4,14 Material no: 4503**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	67:(n,n')17th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	67:(n,n')17th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	

50-Sn-117 JOINT EVALUATED FILE INDEX

	MF	MT	MT
50-Sn-117	Tape no: 4,14 Material no: 4504		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
50-Sn-118	**Tape no: 4,14 Material no: 4505**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
50-Sn-119	**Tape no: 4,14 Material no: 4506**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
50-Sn-120	**Tape no: 4,14 Material no: 4507**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		69:(n,n')19th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		69:(n,n')19th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
50-Sn-122	**Tape no: 4,14 Material no: 4508**		
	1:Information	451:(Gen. info.)	

	MF	MT	MT
(contd)			
50-Sn-122	Tape no: 4,14 Material no: 4508		
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
50-Sn-123	Tape no: 4,14 Material no: 4509		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
50-Sn-124	Tape no: 4,14 Material no: 4510		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
50-Sn-125	Tape no: 4,14 Material no: 4511		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		53:(n,n')3rd level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		53:(n,n')3rd level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

50-Sn-126 JOINT EVALUATED FILE INDEX

MF		MT	MT
50-Sn-126	Tape no:	4,14 Material no: 4512	
1:Information		451:(Gen. info.)	
2:Res. parm.		151:scattering radius	
3:σ(E)		1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
4:dσ/dθ		2:(n,el)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
5:dσ/dE		91:(n,n')continuum	

MF	MT	MT
51-Sb-121	**Tape no: 4,14 Material no: 4513**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
51-Sb-123	**Tape no: 4,14 Material no: 4514**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
51-Sb-124	**Tape no: 4,14 Material no: 4515**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
51-Sb-125	**Tape no: 4,14 Material no: 4516**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	69:(n,n')19th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	69:(n,n')19th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
51-Sb-126	**Tape no: 4,14 Material no: 4517**	
1:Information	451:(Gen. info.)	

MF	MT	MT
(contd)		
51-Sb-126	Tape no: 4,14 Material no: 4517	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	

	MF	MT	MT
52-Te-120	Tape no: 4,14	Material no: 4520	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-122	Tape no: 4,14	Material no: 4521	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-123	Tape no: 4,14	Material no: 4522	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-124	Tape no: 4,14	Material no: 4523	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		61:(n,n')11th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		61:(n,n')11th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-125	Tape no: 4,14	Material no: 4524	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)

MF		MT	MT
(contd)			
52-Te-125	**Tape no: 4,14**	**Material no: 4524**	
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-126	**Tape no: 4,14**	**Material no: 4525**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		63:(n,n')13th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		63:(n,n')13th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-127M	**Tape no: 4,14**	**Material no: 4526**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-128	**Tape no: 4,14**	**Material no: 4527**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-129M	**Tape no: 4,14**	**Material no: 4528**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum

	MF	MT	MT
(contd)			
52-Te-129M	Tape no: 4,14	Material no: 4528	
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-130	Tape no: 4,14	Material no: 4529	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
52-Te-132	Tape no: 4,14	Material no: 4530	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

53-I -127 JOINT EVALUATED FILE INDEX

	MF	MT	MT
53-I -127	**Tape no: 4,14 Material no: 4533**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
53-I -129	**Tape no: 4,14 Material no: 4534**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		60:(n,n')10th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	
53-I -130	**Tape no: 4,14 Material no: 4535**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
53-I -131	**Tape no: 4,14 Material no: 4536**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		54:(n,n')4th level	91:(n,n')continuum

MF		MT		MT
(contd)				
53-I -131	Tape no: 4,14 Material no: 4536			
		102:(n,γ)		251:μ
		252:ξ		253:γ
	4:dσ/dθ	2:(n,el)		51:(n,n')1st level-
		54:(n,n')4th level		91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum		
53-I -135	Tape no: 4,14 Material no: 4537			
	1:Information	451:(Gen. info.)		
	2:Res. parm.	151:scattering radius		
	3:σ(E)	1:(n,tot)		2:(n,el)
		4:(n,inel)		91:(n,n')continuum
		102:(n,γ)		251:μ
		252:ξ		253:γ
	4:dσ/dθ	2:(n,el)		91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum		

MF	MT	MT
54-Xe-124	**Tape no: 4,14 Material no: 4540**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	106:(n,He3)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
54-Xe-126	**Tape no: 4,14 Material no: 4541**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	106:(n,He3)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
54-Xe-128	**Tape no: 4,14 Material no: 4542**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	53:(n,n')3rd level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	106:(n,He3)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-

MF	MT	MT
(contd)		
54-Xe-128	**Tape no: 4,14 Material no: 4542**	
	53:(n,n')3rd level	**91:**(n,n')continuum
5:dσ/dE	**16:**(n,2n)	**17:**(n,3n)
	91:(n,n')continuum	
54-Xe-129	**Tape no: 4,14 Material no: 4543**	
1:Information	**451:**(Gen. info.)	
2:Res. parm.	**151:**(n,res)	
3:σ(E)	**1:**(n,tot)	**2:**(n,el)
	4:(n,inel)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	56:(n,n')6th level	**91:**(n,n')continuum
	102:(n,γ)	**103:**(n,p)
	104:(n,d)	**105:**(n,t)
	107:(n,α)	**251:**μ
	252:ξ	**253:**γ
4:dσ/dθ	**2:**(n,el)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	56:(n,n')6th level	**91:**(n,n')continuum
5:dσ/dE	**16:**(n,2n)	**17:**(n,3n)
	91:(n,n')continuum	
54-Xe-130	**Tape no: 4,14 Material no: 4544**	
1:Information	**451:**(Gen. info.)	
2:Res. parm.	**151:**(n,res)	
3:σ(E)	**1:**(n,tot)	**2:**(n,el)
	4:(n,inel)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	56:(n,n')6th level	**91:**(n,n')continuum
	102:(n,γ)	**103:**(n,p)
	104:(n,d)	**105:**(n,t)
	107:(n,α)	**251:**μ
	252:ξ	**253:**γ
4:dσ/dθ	**2:**(n,el)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	56:(n,n')6th level	**91:**(n,n')continuum
5:dσ/dE	**16:**(n,2n)	**17:**(n,3n)
	91:(n,n')continuum	
54-Xe-131	**Tape no: 4,14 Material no: 4545**	
1:Information	**451:**(Gen. info.)	
2:Res. parm.	**151:**(n,res)	
3:σ(E)	**1:**(n,tot)	**2:**(n,el)
	4:(n,inel)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	56:(n,n')6th level	**91:**(n,n')continuum
	102:(n,γ)	**103:**(n,p)

MF	MT	MT
(contd)		
54-Xe-131	**Tape no: 4,14 Material no: 4545**	
	104:(n,d)	105:(n,t)
	107:(n,α)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
54-Xe-132	**Tape no: 4,14 Material no: 4546**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	107:(n,α)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	54:(n,n')4th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
54-Xe-133	**Tape no: 4,14 Material no: 4547**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	51:(n,n')1st level
	91:(n,n')continuum	
5:dσ/dE	91:(n,n')continuum	
54-Xe-134	**Tape no: 4,14 Material no: 4548**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	53:(n,n')3rd level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)

MF	MT	MT
(contd)		
54-Xe-134	**Tape no: 4,14 Material no: 4548**	
	104:(n,d)	**105**:(n,t)
	107:(n,α)	**251**:μ
	252:ξ	**253**:γ
4:dσ/dθ	**2**:(n,el)	**16**:(n,2n)
	17:(n,3n)	**51**:(n,n')1st level-
	53:(n,n')3rd level	**91**:(n,n')continuum
5:dσ/dE	**16**:(n,2n)	**17**:(n,3n)
	91:(n,n')continuum	
54-Xe-135	**Tape no: 4,14 Material no: 4549**	
1:Information	**451**:(Gen. info.)	
2:Res. parm.	**151**:scattering radius	
3:σ(E)	**1**:(n,tot)	**2**:(n,el)
	4:(n,inel)	**51**:(n,n')1st level
	91:(n,n')continuum	**102**:(n,γ)
	251:μ	**252**:ξ
	253:γ	
4:dσ/dθ	**2**:(n,el)	**51**:(n,n')1st level
	91:(n,n')continuum	
5:dσ/dE	**91**:(n,n')continuum	
54-Xe-136	**Tape no: 4,14 Material no: 4551**	
1:Information	**451**:(Gen. info.)	
2:Res. parm.	**151**:scattering radius	
3:σ(E)	**1**:(n,tot)	**2**:(n,el)
	4:(n,inel)	**16**:(n,2n)
	17:(n,3n)	**51**:(n,n')1st level-
	53:(n,n')3rd level	**91**:(n,n')continuum
	102:(n,γ)	**103**:(n,p)
	104:(n,d)	**105**:(n,t)
	107:(n,α)	**251**:μ
	252:ξ	**253**:γ
4:dσ/dθ	**2**:(n,el)	**16**:(n,2n)
	17:(n,3n)	**51**:(n,n')1st level-
	53:(n,n')3rd level	**91**:(n,n')continuum
5:dσ/dE	**16**:(n,2n)	**17**:(n,3n)
	91:(n,n')continuum	

	MF	MT	MT
55-Cs-133	**Tape no: 4,14 Material no: 4553**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	68:(n,n')18th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	68:(n,n')18th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
55-Cs-134	**Tape no: 4,14 Material no: 4554**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
55-Cs-135	**Tape no: 4,14 Material no: 4555**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	68:(n,n')18th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	68:(n,n')18th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
55-Cs-136	**Tape no: 4,14 Material no: 4556**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum

	MF	MT	MT
(contd)			
55-Cs-136	Tape no: 4,14	Material no: 4556	
	5:dσ/dE	91:(n,n')continuum	
55-Cs-137	Tape no: 4,14	Material no: 4557	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	60:(n,n')10th level
		91:(n,n')continuum	102:(n,γ)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	60:(n,n')10th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum

56-Ba-134 JOINT EVALUATED FILE INDEX

MF	MT	MT
56-Ba-134	**Tape no: 4,14 Material no: 4564**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
56-Ba-135	**Tape no: 4,14 Material no: 4565**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	59:(n,n')9th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	59:(n,n')9th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
56-Ba-136	**Tape no: 4,14 Material no: 4566**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	60:(n,n')10th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	60:(n,n')10th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
56-Ba-137	**Tape no: 4,14 Material no: 4567**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
56-Ba-138	**Tape no: 4,14 Material no: 4568**	
1:Information	451:(Gen. info.)	

MF	MT	MT
(contd)		
56-Ba-138	**Tape no: 4,14 Material no: 4568**	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	60:(n,n')10th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	60:(n,n')10th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
56-Ba-140	**Tape no: 4,14 Material no: 4560**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	

57-La-139 JOINT EVALUATED FILE INDEX

MF	MT	MT
57-La-139	**Tape no: 4,14 Material no: 4579**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	73:(n,n')23rd level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	73:(n,n')23rd level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
57-La-140	**Tape no: 4,14 Material no: 4570**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	

	MF	MT	MT
58-Ce-140	**Tape no: 4,14**	**Material no: 4580**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
58-Ce-141	**Tape no: 4,14**	**Material no: 4581**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	102:(n,γ)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	62:(n,n')12th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
58-Ce-142	**Tape no: 4,14**	**Material no: 4582**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	
58-Ce-143	**Tape no: 4,14**	**Material no: 4583**	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

58-Ce-144 JOINT EVALUATED FILE INDEX

MF		MT	MT
58-Ce-144	Tape no: 4,14 Material no: 4584		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		68:(n,n')18th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		68:(n,n')18th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	

MF		MT	MT
59-Pr-141	**Tape no: 4,14 Material no: 4591**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	74:(n,n')24th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	74:(n,n')24th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
59-Pr-142	**Tape no: 4,14 Material no: 4592**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
59-Pr-143	**Tape no: 4,14 Material no: 4593**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

MF	MT	MT
60-Nd-142	**Tape no: 5,15 Material no: 4602**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
60-Nd-143	**Tape no: 5,15 Material no: 4603**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	76:(n,n')26th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	76:(n,n')26th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
60-Nd-144	**Tape no: 5,15 Material no: 4604**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	64:(n,n')14th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	64:(n,n')14th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
60-Nd-145	**Tape no: 5,15 Material no: 4605**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	64:(n,n')14th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)

	MF	MT	MT
(contd)			
60-Nd-145	Tape no: 5,15	Material no: 4605	
		107:(n,α)	251:μ
		252:ξ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	64:(n,n')14th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
60-Nd-146	Tape no: 5,15	Material no: 4606	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
60-Nd-147	Tape no: 5,15	Material no: 4607	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		53:(n,n')3rd level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		53:(n,n')3rd level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
60-Nd-148	Tape no: 5,15	Material no: 4608	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	57:(n,n')7th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	104:(n,d)
		105:(n,t)	106:(n,He3)
		107:(n,α)	251:μ
		252:ξ	

	MF	MT	MT
(contd)			
60-Nd-148	Tape no: 5,15	Material no: 4608	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	57:(n,n')7th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
60-Nd-150	Tape no: 5,15	Material no: 4600	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		104:(n,d)	105:(n,t)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		59:(n,n')9th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		22:(n,n+α)	28:(n,n+p)
		91:(n,n')continuum	

MF	MT	MT
61-Pm-147	**Tape no: 5,15 Material no: 4611**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	61:(n,n')11th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	61:(n,n')11th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
61-Pm-148	**Tape no: 5,15 Material no: 4612**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
61-Pm-148M	**Tape no: 5,15 Material no: 4613**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
61-Pm-149	**Tape no: 5,15 Material no: 4614**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
61-Pm-151	**Tape no: 5,15 Material no: 4615**	
1:Information	451:(Gen. info.)	

61-Pm-151 JOINT EVALUATED FILE INDEX

	MF	MT	MT
(contd)			
61-Pm-151	Tape no: 5,15 Material no: 4615		
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

MF	MT	MT
62-Sm-144	**Tape no: 5,15 Material no: 4626**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
62-Sm-147	**Tape no: 5,15 Material no: 4627**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	64:(n,n')14th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	64:(n,n')14th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
62-Sm-148	**Tape no: 5,15 Material no: 4628**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	66:(n,n')16th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	66:(n,n')16th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
62-Sm-149	**Tape no: 5,15 Material no: 4629**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	64:(n,n')14th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	16:(n,2n)

MF	MT	MT
(contd)		
62-Sm-149	**Tape no: 5,15 Material no: 4629**	
	51:(n,n')1st level-	**64:**(n,n')14th level
	91:(n,n')continuum	
5:dσ/dE	**16:**(n,2n)	**91:**(n,n')continuum
62-Sm-150	**Tape no: 5,15 Material no: 4620**	
1:Information	**451:**(Gen. info.)	
2:Res. parm.	**151:**(n,res)	
3:σ(E)	**1:**(n,tot)	**2:**(n,el)
	4:(n,inel)	**51:**(n,n')1st level-
	66:(n,n')16th level	**91:**(n,n')continuum
	102:(n,γ)	**251:**μ
	252:ξ	**253:**γ
4:dσ/dθ	**2:**(n,el)	**51:**(n,n')1st level-
	66:(n,n')16th level	**91:**(n,n')continuum
5:dσ/dE	**91:**(n,n')continuum	
62-Sm-151	**Tape no: 5,15 Material no: 4621**	
1:Information	**451:**(Gen. info.)	
2:Res. parm.	**151:**(n,res) + unres	
3:σ(E)	**1:**(n,tot)	**2:**(n,el)
	4:(n,inel)	**16:**(n,2n)
	51:(n,n')1st level-	**90:**(n,n')40th level
	91:(n,n')continuum	**102:**(n,γ)
	251:μ	**252:**ξ
4:dσ/dθ	**2:**(n,el)	**16:**(n,2n)
	51:(n,n')1st level-	**90:**(n,n')40th level
	91:(n,n')continuum	
5:dσ/dE	**16:**(n,2n)	**91:**(n,n')continuum
62-Sm-152	**Tape no: 5,15 Material no: 4622**	
1:Information	**451:**(Gen. info.)	
2:Res. parm.	**151:**(n,res) + unres	
3:σ(E)	**1:**(n,tot)	**2:**(n,el)
	4:(n,inel)	**16:**(n,2n)
	51:(n,n')1st level-	**63:**(n,n')13th level
	91:(n,n')continuum	**102:**(n,γ)
	103:(n,p)	**104:**(n,d)
	105:(n,t)	**106:**(n,He3)
	107:(n,α)	**251:**μ
	252:ξ	
4:dσ/dθ	**2:**(n,el)	**16:**(n,2n)
	51:(n,n')1st level-	**63:**(n,n')13th level
	91:(n,n')continuum	
5:dσ/dE	**16:**(n,2n)	**91:**(n,n')continuum
62-Sm-153	**Tape no: 5,15 Material no: 4623**	

MF	MT	MT
(contd)		
62-Sm-153	**Tape no: 5,15 Material no: 4623**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	62:(n,n')12th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	62:(n,n')12th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
62-Sm-154	**Tape no: 5,15 Material no: 4624**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	69:(n,n')19th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	69:(n,n')19th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	

MF	MT	MT
63-Eu-151	**Tape no: 5,15 Material no: 4631**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	59:(n,n')9th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	106:(n,He3)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	59:(n,n')9th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	22:(n,n+α)	28:(n,n+p)
	91:(n,n')continuum	
12:mult(γ)	51:(n,n')1st level-	59:(n,n')9th level
	102:(n,γ)	
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	51:(n,n')1st level-
	59:(n,n')9th level	102:(n,γ)
15:dσ/dE(γ)	3:(n,nonel)	102:(n,γ)
63-Eu-152	**Tape no: 5,15 Material no: 4632**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	106:(n,He3)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	22:(n,n+α)	28:(n,n+p)
	91:(n,n')continuum	
63-Eu-153	**Tape no: 5,15 Material no: 4633**	
1:Information	451:(Gen. info.)	

MF	MT	MT
(contd)		
63-Eu-153	**Tape no: 5,15 Material no: 4633**	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	3:(n,nonel)	4:(n,inel)
	16:(n,2n)	17:(n,3n)
	22:(n,n+α)	28:(n,n+p)
	51:(n,n')1st level-	61:(n,n')11th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	104:(n,d)
	105:(n,t)	106:(n,He3)
	107:(n,α)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	61:(n,n')11th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	22:(n,n+α)	28:(n,n+p)
	91:(n,n')continuum	
12:mult(γ)	3:(n,nonel)	51:(n,n')1st level-
	61:(n,n')11th level	102:(n,γ)
14:dσ/dθ(γ)	3:(n,nonel)	51:(n,n')1st level-
	61:(n,n')11th level	102:(n,γ)
15:dσ/dE(γ)	3:(n,nonel)	102:(n,γ)
63-Eu-154	**Tape no: 5,15 Material no: 4634**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	104:(n,d)	105:(n,t)
	106:(n,He3)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	22:(n,n+α)
	28:(n,n+p)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	22:(n,n+α)	28:(n,n+p)
	91:(n,n')continuum	
63-Eu-155	**Tape no: 5,15 Material no: 4635**	

63-Eu-155 JOINT EVALUATED FILE INDEX

MF	MT	MT
(contd)		
63-Eu-155	**Tape no: 5,15 Material no: 4635**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	57:(n,n')7th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	57:(n,n')7th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
63-Eu-156	**Tape no: 5,15 Material no: 4636**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	55:(n,n')5th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
63-Eu-157	**Tape no: 5,15 Material no: 4637**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	

	MF	MT	MT
64-Gd-154	**Tape no: 5,15 Material no: 4644**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		65:(n,n')15th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		65:(n,n')15th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
64-Gd-155	**Tape no: 5,15 Material no: 4645**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		79:(n,n')29th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		79:(n,n')29th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
64-Gd-156	**Tape no: 5,15 Material no: 4646**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		51:(n,n')1st level-	64:(n,n')14th level
		91:(n,n')continuum	102:(n,γ)
		251:μ	252:ξ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		51:(n,n')1st level-	64:(n,n')14th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	91:(n,n')continuum
64-Gd-157	**Tape no: 5,15 Material no: 4647**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		78:(n,n')28th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		78:(n,n')28th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
64-Gd-158	**Tape no: 5,15 Material no: 4648**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	

64-Gd-158 JOINT EVALUATED FILE INDEX

MF	MT	MT
(contd)		
64-Gd-158	**Tape no: 5,15 Material no: 4648**	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	61:(n,n')11th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	61:(n,n')11th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	
64-Gd-160	**Tape no: 5,15 Material no: 4640**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	
4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
	56:(n,n')6th level	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	

JOINT EVALUATED FILE INDEX 65-Tb-159

MF	MT	MT
65-Tb-159	**Tape no: 5,15 Material no: 4659**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	51:(n,n')1st level-	66:(n,n')16th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	51:(n,n')1st level-	66:(n,n')16th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	91:(n,n')continuum
65-Tb-160	**Tape no: 5,15 Material no: 4650**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	91:(n,n')continuum
5:dσ/dE	91:(n,n')continuum	

	MF	MT	MT
66-Dy-160	**Tape no: 6,16 Material no: 4660**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		64:(n,n')14th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
66-Dy-161	**Tape no: 6,16 Material no: 4661**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		57:(n,n')7th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
66-Dy-162	**Tape no: 6,16 Material no: 4662**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
66-Dy-163	**Tape no: 6,16 Material no: 4663**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
66-Dy-164	**Tape no: 6,16 Material no: 4664**		
	1:Information	451:(Gen. info.)	

MF	MT	MT
(contd) 66-Dy-164	Tape no: 6,16 Material no: 4664	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	62:(n,n')12th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	107:(n,α)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	62:(n,n')12th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	

67-Ho-165 JOINT EVALUATED FILE INDEX

MF		MT	MT
67-Ho-165	Tape no: 6,16	Material no: 4675	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		69:(n,n')19th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		69:(n,n')19th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

	MF	MT	MT
68-Er-166	Tape no: 6,16	Material no: 4686	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		69:(n,n')19th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		69:(n,n')19th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	
68-Er-167	Tape no: 6,16	Material no: 4687	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	51:(n,n')1st level-
		63:(n,n')13th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	51:(n,n')1st level-
		63:(n,n')13th level	91:(n,n')continuum
	5:dσ/dE	91:(n,n')continuum	

71-Lu-175 JOINT EVALUATED FILE INDEX

	MF	MT	MT
71-Lu-175	Tape no: 6,16	Material no: 4715	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	
71-Lu-176	Tape no: 6,16	Material no: 4716	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		107:(n,α)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	

MF	MT	MT
72-Hf-174	**Tape no: 6,16 Material no: 4724**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	68:(n,n')18th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	107:(n,α)	251:μ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	68:(n,n')18th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
72-Hf-176	**Tape no: 6,16 Material no: 4726**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	73:(n,n')23rd level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	107:(n,α)	251:μ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	73:(n,n')23rd level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
72-Hf-177	**Tape no: 6,16 Material no: 4727**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	66:(n,n')16th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	107:(n,α)	251:μ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	66:(n,n')16th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
72-Hf-178	**Tape no: 6,16 Material no: 4728**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)

MF	MT	MT
(contd)		
72-Hf-178	**Tape no: 6,16 Material no: 4728**	
	17:(n,3n)	**51:**(n,n')1st level-
	71:(n,n')21st level	**91:**(n,n')continuum
	102:(n,γ)	**103:**(n,p)
	107:(n,α)	**251:**μ
4:dσ/dθ	**2:**(n,el)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	71:(n,n')21st level	**91:**(n,n')continuum
5:dσ/dE	**16:**(n,2n)	**17:**(n,3n)
	91:(n,n')continuum	
72-Hf-179	**Tape no: 6,16 Material no: 4729**	
1:Information	**451:**(Gen. info.)	
2:Res. parm.	**151:**(n,res)	
3:σ(E)	**1:**(n,tot)	**2:**(n,el)
	4:(n,inel)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	62:(n,n')12th level	**91:**(n,n')continuum
	102:(n,γ)	**103:**(n,p)
	107:(n,α)	**251:**μ
4:dσ/dθ	**2:**(n,el)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	62:(n,n')12th level	**91:**(n,n')continuum
5:dσ/dE	**16:**(n,2n)	**17:**(n,3n)
	91:(n,n')continuum	
72-Hf-180	**Tape no: 6,16 Material no: 4720**	
1:Information	**451:**(Gen. info.)	
2:Res. parm.	**151:**(n,res)	
3:σ(E)	**1:**(n,tot)	**2:**(n,el)
	4:(n,inel)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	69:(n,n')19th level	**91:**(n,n')continuum
	102:(n,γ)	**103:**(n,p)
	107:(n,α)	**251:**μ
4:dσ/dθ	**2:**(n,el)	**16:**(n,2n)
	17:(n,3n)	**51:**(n,n')1st level-
	69:(n,n')19th level	**91:**(n,n')continuum
5:dσ/dE	**16:**(n,2n)	**17:**(n,3n)
	91:(n,n')continuum	

MF	MT	MT
73-Ta-181	**Tape no: 6,16 Material no: 4731**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	60:(n,n')10th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	60:(n,n')10th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
12:mult(γ)	102:(n,γ)	
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	102:(n,γ)
15:dσ/dE(γ)	3:(n,nonel)	102:(n,γ)
73-Ta-182	**Tape no: 6,16 Material no: 4732**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
	102:(n,γ)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	58:(n,n')8th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	

74-W -182 JOINT EVALUATED FILE INDEX

	MF	MT	MT
74-W -182	**Tape no: 6,16 Material no: 4742**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	28:(n,n+p)
		51:(n,n')1st level-	58:(n,n')8th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	28:(n,n+p)
		51:(n,n')1st level-	58:(n,n')8th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		28:(n,n+p)	91:(n,n')continuum
	12:mult(γ)	102:(n,γ)	
	13:σ(E)(γ)	4:(n,inel)	
	14:dσ/dθ(γ)	4:(n,inel)	102:(n,γ)
	15:dσ/dE(γ)	4:(n,inel)	102:(n,γ)
74-W -183	**Tape no: 6,16 Material no: 4743**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	28:(n,n+p)
		51:(n,n')1st level-	59:(n,n')9th level
		91:(n,n')continuum	102:(n,γ)
		103:(n,p)	107:(n,α)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	28:(n,n+p)
		51:(n,n')1st level-	59:(n,n')9th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		28:(n,n+p)	91:(n,n')continuum
	12:mult(γ)	102:(n,γ)	
	13:σ(E)(γ)	4:(n,inel)	
	14:dσ/dθ(γ)	4:(n,inel)	102:(n,γ)
	15:dσ/dE(γ)	4:(n,inel)	102:(n,γ)
74-W -184	**Tape no: 6,16 Material no: 4744**		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	28:(n,n+p)

MF	MT	MT
(contd)		
74-W -184	**Tape no: 6,16 Material no: 4744**	
	51:(n,n')1st level-	59:(n,n')9th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	28:(n,n+p)
	51:(n,n')1st level-	59:(n,n')9th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	28:(n,n+p)	91:(n,n')continuum
12:mult(γ)	102:(n,γ)	
13:σ(E)(γ)	4:(n,inel)	
14:dσ/dθ(γ)	4:(n,inel)	102:(n,γ)
15:dσ/dE(γ)	4:(n,inel)	102:(n,γ)
74-W -186	**Tape no: 6,16 Material no: 4746**	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	28:(n,n+p)
	51:(n,n')1st level-	59:(n,n')9th level
	91:(n,n')continuum	102:(n,γ)
	103:(n,p)	107:(n,α)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	28:(n,n+p)
	51:(n,n')1st level-	59:(n,n')9th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	28:(n,n+p)	91:(n,n')continuum
12:mult(γ)	102:(n,γ)	
13:σ(E)(γ)	4:(n,inel)	
14:dσ/dθ(γ)	4:(n,inel)	102:(n,γ)
15:dσ/dE(γ)	4:(n,inel)	102:(n,γ)

	MF	MT	MT
75-Re-185	Tape no: 6,16	Material no: 4755	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		58:(n,n')8th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	
75-Re-187	Tape no: 6,16	Material no: 4757	
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		61:(n,n')11th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		61:(n,n')11th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	

JOINT EVALUATED FILE INDEX

79-Au-197

MF	MT	MT
79-Au-197	Tape no: 6,16 Material no: 4797	
1:Information	451:(Gen. info.)	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	64:(n,n')14th level	91:(n,n')continuum
	102:(n,γ)	103:(n,p)
	107:(n,α)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	51:(n,n')1st level-
	64:(n,n')14th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	91:(n,n')continuum	
8:Rdd,Fpy	16:(n,2n)	
10:σ(R.N.)	16:(n,2n)activ	
33:Covariance	102:(n,γ)	

82-Pb- 0 JOINT EVALUATED FILE INDEX

MF		MT	MT
82-Pb- 0	Tape no: 6,16	Material no: 4820	
1:Information		451:(Gen. info.)	
2:Res. parm.		151:scattering radius	
3:σ(E)		1:(n,tot)	2:(n,el)
		3:(n,nonel)	4:(n,inel)
		16:(n,2n)	17:(n,3n)
		51:(n,n')1st level-	85:(n,n')35th level
		91:(n,n')continuum	102:(n,γ)
		251:μ	252:ξ
		253:γ	
4:dσ/dθ		2:(n,el)	16:(n,2n)
		17:(n,3n)	51:(n,n')1st level-
		85:(n,n')35th level	91:(n,n')continuum
5:dσ/dE		16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	
12:mult(γ)		3:(n,nonel)	
14:dσ/dθ(γ)		3:(n,nonel)	
15:dσ/dE(γ)		3:(n,nonel)	

JOINT EVALUATED FILE INDEX

MF		MT	MT
83-Bi-209	Tape no: 6,16 Material no: 4839		
	1:Information	451:(Gen. info.)	
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		79:(n,n')29th level	91:(n,n')continuum
		102:(n,γ)	103:(n,p)
		107:(n,α)	251:μ
		252:ξ	253:γ
		718:(n,p)continuum	798:(n,α)continuum
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	22:(n,n+α)
		28:(n,n+p)	51:(n,n')1st level-
		79:(n,n')29th level	91:(n,n')continuum
		718:(n,p)continuum	798:(n,α)continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		91:(n,n')continuum	718:(n,p)continuum
		798:(n,α)continuum	
	12:mult(γ)	102:(n,γ)	
	13:σ(E)(γ)	4:(n,inel)	16:(n,2n)
		17:(n,3n)	
	14:dσ/dθ(γ)	4:(n,inel)	16:(n,2n)
		17:(n,3n)	102:(n,γ)
	15:dσ/dE(γ)	4:(n,inel)	16:(n,2n)
		17:(n,3n)	102:(n,γ)

MF	MT	MT
90-Th-230	**Tape no: 7,17 Material no: 4900**	
1:Information	451:(Gen. info.)	452:(n,f)ν
	458:(n,f)E release	
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	67:(n,n')17th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	67:(n,n')17th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	91:(n,n')continuum
90-Th-232	**Tape no: 7,17 Material no: 4902**	
1:Information	451:(Gen. info.)	452:(n,f)ν
	455:(n,f)ν-delayed	456:(n,f)ν-prompt
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	58:(n,n')8th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	58:(n,n')8th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	91:(n,n')continuum
	455:(n,f)ν-delayed	

MF	MT	MT
91-Pa-231	**Tape no: 7,17 Material no: 4911**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	62:(n,n')12th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	62:(n,n')12th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	91:(n,n')continuum
91-Pa-233	**Tape no: 7,17 Material no: 4913**	
1:Information	451:(Gen. info.)	452:(n,f)ν
	458:(n,f)E release	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	55:(n,n')5th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	55:(n,n')5th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	91:(n,n')continuum

92-U -232 JOINT EVALUATED FILE INDEX

	MF	MT	MT
92-U -232	**Tape no: 7,17 Material no: 4922**		
	1:Information	451:(Gen. info.)	452:(n,f)ν
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	102:(n,γ)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	91:(n,n')continuum
92-U -233	**Tape no: 7,17 Material no: 4923**		
	1:Information	451:(Gen. info.)	452:(n,f)ν
		455:(n,f)ν-delayed	456:(n,f)ν-prompt
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	57:(n,n')7th level
		91:(n,n')continuum	102:(n,γ)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	57:(n,n')7th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	91:(n,n')continuum
		455:(n,f)ν-delayed	
92-U -234	**Tape no: 7,17 Material no: 4924**		
	1:Information	451:(Gen. info.)	452:(n,f)ν
		458:(n,f)E release	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		19:(n,f)	20:(n,n'+f)
		21:(n,2n+f)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total

	MF	MT	MT
(contd)			
92-U -234	Tape no: 7,17	Material no: 4924	
		20:(n,n'+f)	21:(n,2n+f)
		51:(n,n')1st level-	56:(n,n')6th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	19:(n,f)
		20:(n,n'+f)	21:(n,2n+f)
		91:(n,n')continuum	
	8:Rdd,Fpy	16:(n,2n)	17:(n,3n)
		102:(n,γ)	457:decay data
92-U -235	Tape no: 7,17	Material no: 4925	
	1:Information	451:(Gen. info.)	452:(n,f)ν
		455:(n,f)ν-delayed	456:(n,f)ν-prompt
		458:(n,f)E release	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		19:(n,f)	20:(n,n'+f)
		21:(n,2n+f)	51:(n,n')1st level-
		66:(n,n')16th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		19:(n,f)	20:(n,n'+f)
		21:(n,2n+f)	51:(n,n')1st level-
		66:(n,n')16th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	19:(n,f)
		20:(n,n'+f)	21:(n,2n+f)
		91:(n,n')continuum	455:(n,f)ν-delayed
	8:Rdd,Fpy	16:(n,2n)	17:(n,3n)
		102:(n,γ)	
	12:mult(γ)	4:(n,inel)	18:(n,f)total
		102:(n,γ)	
	13:σ(E)(γ)	3:(n,nonel)	
	14:dσ/dθ(γ)	3:(n,nonel)	4:(n,inel)
		18:(n,f)total	102:(n,γ)
	15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
		102:(n,γ)	
	31:Covariance	452:(n,f)ν	
	33:Covariance	18:(n,f)total	102:(n,γ)
92-U -236	Tape no: 7,17	Material no: 4926	
	1:Information	451:(Gen. info.)	452:(n,f)ν

	MF	MT	MT
(contd)			
92-U -236	Tape no: 7,17	Material no: 4926	
		458:(n,f)E release	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		19:(n,f)	20:(n,n'+f)
		21:(n,2n+f)	51:(n,n')1st level-
		56:(n,n')6th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		20:(n,n'+f)	21:(n,2n+f)
		51:(n,n')1st level-	56:(n,n')6th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	19:(n,f)
		20:(n,n'+f)	21:(n,2n+f)
		91:(n,n')continuum	
	8:Rdd,Fpy	16:(n,2n)	17:(n,3n)
		102:(n,γ)	
92-U -237	Tape no: 7,17	Material no: 4927	
	1:Information	451:(Gen. info.)	452:(n,f)ν
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		91:(n,n')continuum	102:(n,γ)
		251:μ	252:ξ
		253:γ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	91:(n,n')continuum
	8:Rdd,Fpy	16:(n,2n)	17:(n,3n)
		102:(n,γ)	
	12:mult(γ)	18:(n,f)total	102:(n,γ)
	13:σ(E)(γ)	3:(n,nonel)	
	14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
		102:(n,γ)	
	15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
		102:(n,γ)	
92-U -238	Tape no: 7,17	Material no: 4928	
	1:Information	451:(Gen. info.)	452:(n,f)ν

MF	MT	MT
(contd)		
92-U -238	Tape no: 7,17 Material no: 4928	
	455:(n,f)ν-delayed	456:(n,f)ν-prompt
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	75:(n,n')25th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	75:(n,n')25th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	91:(n,n')continuum
	455:(n,f)ν-delayed	

MF	MT	MT
93-Np-237	**Tape no: 8,18 Material no: 4937**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	26:(n,2n)meta	51:(n,n')1st level-
	83:(n,n')33rd level	91:(n,n')continuum
	102:(n,γ)	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	26:(n,2n)meta	51:(n,n')1st level-
	83:(n,n')33rd level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	26:(n,2n)meta
	91:(n,n')continuum	
93-Np-238	**Tape no: 8,18 Material no: 4938**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	18:(n,f)total	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	
5:dσ/dE	18:(n,f)total	
8:Rdd,Fpy	102:(n,γ)	
93-Np-239	**Tape no: 8,18 Material no: 4939**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	58:(n,n')8th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	58:(n,n')8th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	91:(n,n')continuum

MF	MT	MT
94-Pu-236	**Tape no: 8,18 Material no: 4946**	
1:Information	451:(Gen. info.)	452:(n,f)ν
	458:(n,f)E release	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	19:(n,f)	20:(n,n'+f)
	51:(n,n')1st level-	54:(n,n')4th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	19:(n,f)	20:(n,n'+f)
	51:(n,n')1st level-	54:(n,n')4th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	19:(n,f)
	20:(n,n'+f)	91:(n,n')continuum
8:Rdd,Fpy	102:(n,γ)	
94-Pu-237	**Tape no: 8,18 Material no: 4947**	
1:Information	451:(Gen. info.)	452:(n,f)ν
	458:(n,f)E release	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	19:(n,f)	20:(n,n'+f)
	51:(n,n')1st level-	60:(n,n')10th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	19:(n,f)	20:(n,n'+f)
	51:(n,n')1st level-	60:(n,n')10th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	19:(n,f)
	20:(n,n'+f)	91:(n,n')continuum
8:Rdd,Fpy	16:(n,2n)	102:(n,γ)
94-Pu-238	**Tape no: 8,18 Material no: 4948**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total

	MF	MT	MT
(contd)			
94-Pu-238	Tape no: 8,18	Material no: 4948	
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	102:(n,γ)
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	91:(n,n')continuum
94-Pu-239	Tape no: 8,18	Material no: 4949	
	1:Information	451:(Gen. info.)	452:(n,f)ν
		455:(n,f)ν-delayed	456:(n,f)ν-prompt
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		37:(n,4n)	51:(n,n')1st level-
		78:(n,n')28th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		37:(n,4n)	51:(n,n')1st level-
		78:(n,n')28th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	37:(n,4n)
		91:(n,n')continuum	455:(n,f)ν-delayed
94-Pu-240	Tape no: 8,18	Material no: 4940	
	1:Information	451:(Gen. info.)	452:(n,f)ν
		455:(n,f)ν-delayed	456:(n,f)ν-prompt
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		37:(n,4n)	51:(n,n')1st level-
		79:(n,n')29th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		37:(n,4n)	51:(n,n')1st level-
		79:(n,n')29th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	37:(n,4n)
		91:(n,n')continuum	455:(n,f)ν-delayed
94-Pu-241	Tape no: 8,18	Material no: 4941	

MF	MT	MT
(contd)		
94-Pu-241	**Tape no: 8,18 Material no: 4941**	
1:Information	451:(Gen. info.)	452:(n,f)ν
	455:(n,f)ν-delayed	456:(n,f)ν-prompt
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	51:(n,n')1st level-
	61:(n,n')11th level	91:(n,n')continuum
	102:(n,γ)	251:μ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	51:(n,n')1st level-
	61:(n,n')11th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	37:(n,4n)
	91:(n,n')continuum	455:(n,f)ν-delayed
94-Pu-242	**Tape no: 8,18 Material no: 4942**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res)	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	51:(n,n')1st level-
	67:(n,n')17th level	91:(n,n')continuum
	102:(n,γ)	251:μ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	51:(n,n')1st level-
	67:(n,n')17th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	37:(n,4n)
	91:(n,n')continuum	
94-Pu-243	**Tape no: 8,18 Material no: 4943**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	37:(n,4n)
	91:(n,n')continuum	

	MF	MT	MT
(contd)			
94-Pu-243	Tape no: 8,18	Material no: 4943	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	37:(n,4n)
		91:(n,n')continuum	
	8:Rdd,Fpy	16:(n,2n)	17:(n,3n)
		37:(n,4n)	102:(n,γ)
	12:mult(γ)	18:(n,f)total	102:(n,γ)
	13:σ(E)(γ)	3:(n,nonel)	
	14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
		102:(n,γ)	
	15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
		102:(n,γ)	
94-Pu-244	Tape no: 8,18	Material no: 4944	
	1:Information	451:(Gen. info.)	452:(n,f)ν
		458:(n,f)E release	
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		19:(n,f)	20:(n,n'+f)
		37:(n,4n)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		19:(n,f)	20:(n,n'+f)
		37:(n,4n)	51:(n,n')1st level-
		55:(n,n')5th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	19:(n,f)
		20:(n,n'+f)	37:(n,4n)
		91:(n,n')continuum	
	8:Rdd,Fpy	16:(n,2n)	

MF		MT	MT
95-Am-241	**Tape no: 9,19 Material no: 4951**		
	1:Information	451:(Gen. info.)	452:(n,f)ν
	2:Res. parm.	151:(n,res)	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	90:(n,n')40th level
		91:(n,n')continuum	102:(n,γ)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	90:(n,n')40th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	91:(n,n')continuum
95-Am-242	**Tape no: 9,19 Material no: 4952**		
	1:Information	451:(Gen. info.)	452:(n,f)ν
		455:(n,f)ν-delayed	456:(n,f)ν-prompt
	2:Res. parm.	151:scattering radius	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	72:(n,n')22nd level
		91:(n,n')continuum	102:(n,γ)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	72:(n,n')22nd level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	91:(n,n')continuum
95-Am-242M	**Tape no: 9,19 Material no: 4953**		
	1:Information	451:(Gen. info.)	452:(n,f)ν
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	102:(n,γ)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	63:(n,n')13th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	91:(n,n')continuum
95-Am-243	**Tape no: 9,19 Material no: 4954**		

MF	MT	MT
(contd)		
95-Am-243	Tape no: 9,19 Material no: 4954	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	59:(n,n')9th level
	91:(n,n')continuum	102:(n,γ)
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	51:(n,n')1st level-	59:(n,n')9th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	91:(n,n')continuum

MF	MT	MT
96-Cm-241	**Tape no: 9,19 Material no: 4961**	
1:Information	451:(Gen. info.)	452:(n,f)ν
	458:(n,f)E release	
2:Res. parm.	151:scattering radius	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	19:(n,f)	20:(n,n'+f)
	51:(n,n')1st level-	54:(n,n')4th level
	91:(n,n')continuum	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	19:(n,f)	20:(n,n'+f)
	51:(n,n')1st level-	54:(n,n')4th level
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	19:(n,f)
	20:(n,n'+f)	91:(n,n')continuum
8:Rdd,Fpy	102:(n,γ)	
96-Cm-242	**Tape no: 9,19 Material no: 4962**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	18:(n,f)total	19:(n,f)
	20:(n,n'+f)	51:(n,n')1st level-
	53:(n,n')3rd level	91:(n,n')continuum
	102:(n,γ)	251:μ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	18:(n,f)total	19:(n,f)
	20:(n,n'+f)	51:(n,n')1st level-
	53:(n,n')3rd level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	18:(n,f)total
	19:(n,f)	20:(n,n'+f)
	91:(n,n')continuum	
96-Cm-243	**Tape no: 9,19 Material no: 4963**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	18:(n,f)total	19:(n,f)
	20:(n,n'+f)	51:(n,n')1st level-
	62:(n,n')12th level	91:(n,n')continuum
	102:(n,γ)	251:μ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	18:(n,f)total	19:(n,f)

	MF	MT	MT
(contd)			
96-Cm-243	Tape no: 9,19	Material no: 4963	
		20:(n,n'+f)	51:(n,n')1st level-
		62:(n,n')12th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	18:(n,f)total
		19:(n,f)	20:(n,n'+f)
		91:(n,n')continuum	
96-Cm-244	Tape no: 9,19	Material no: 4964	
	1:Information	451:(Gen. info.)	452:(n,f)ν
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	72:(n,n')22nd level
		91:(n,n')continuum	102:(n,γ)
		251:μ	
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		51:(n,n')1st level-	72:(n,n')22nd level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	91:(n,n')continuum
96-Cm-245	Tape no: 9,19	Material no: 4965	
	1:Information	451:(Gen. info.)	452:(n,f)ν
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		18:(n,f)total	19:(n,f)
		20:(n,n'+f)	51:(n,n')1st level-
		66:(n,n')16th level	91:(n,n')continuum
		102:(n,γ)	251:μ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		18:(n,f)total	19:(n,f)
		20:(n,n'+f)	51:(n,n')1st level-
		66:(n,n')16th level	91:(n,n')continuum
	5:dσ/dE	16:(n,2n)	18:(n,f)total
		19:(n,f)	20:(n,n'+f)
		91:(n,n')continuum	
96-Cm-246	Tape no: 9,19	Material no: 4966	
	1:Information	451:(Gen. info.)	452:(n,f)ν
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		37:(n,4n)	51:(n,n')1st level-

	MF	MT	MT
(contd)			
96-Cm-246	Tape no: 9,19	Material no: 4966	
		61:(n,n')11th level	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	37:(n,4n)
		51:(n,n')1st level-	61:(n,n')11th level
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	37:(n,4n)
		91:(n,n')continuum	
	8:Rdd,Fpy	16:(n,2n)	17:(n,3n)
		37:(n,4n)	102:(n,γ)
	12:mult(γ)	18:(n,f)total	102:(n,γ)
	13:σ(E)(γ)	3:(n,nonel)	
	14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
		102:(n,γ)	
	15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
		102:(n,γ)	
96-Cm-247	Tape no: 9,19	Material no: 4967	
	1:Information	451:(Gen. info.)	452:(n,f)ν
	2:Res. parm.	151:(n,res) + unres	
	3:σ(E)	1:(n,tot)	2:(n,el)
		4:(n,inel)	16:(n,2n)
		17:(n,3n)	18:(n,f)total
		37:(n,4n)	91:(n,n')continuum
		102:(n,γ)	251:μ
		252:ξ	253:γ
	4:dσ/dθ	2:(n,el)	16:(n,2n)
		17:(n,3n)	37:(n,4n)
		91:(n,n')continuum	
	5:dσ/dE	16:(n,2n)	17:(n,3n)
		18:(n,f)total	37:(n,4n)
		91:(n,n')continuum	
	8:Rdd,Fpy	16:(n,2n)	17:(n,3n)
		37:(n,4n)	102:(n,γ)
	12:mult(γ)	18:(n,f)total	102:(n,γ)
	13:σ(E)(γ)	3:(n,nonel)	
	14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
		102:(n,γ)	
	15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
		102:(n,γ)	
96-Cm-248	Tape no: 9,19	Material no: 4968	
	1:Information	451:(Gen. info.)	452:(n,f)ν
		458:(n,f)E release	

MF	MT	MT
(contd)		
96-Cm-248	**Tape no: 9,19 Material no: 4968**	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	19:(n,f)	20:(n,n'+f)
	37:(n,4n)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	19:(n,f)	20:(n,n'+f)
	37:(n,4n)	51:(n,n')1st level-
	57:(n,n')7th level	91:(n,n')continuum
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	19:(n,f)
	20:(n,n'+f)	37:(n,4n)
	91:(n,n')continuum	
8:Rdd,Fpy	16:(n,2n)	102:(n,γ)
12:mult(γ)	18:(n,f)total	102:(n,γ)
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	

JOINT EVALUATED FILE INDEX 97-Bk-249

MF	MT	MT
97-Bk-249	Tape no: 9,19 Material no: 4979	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	37:(n,4n)
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	37:(n,4n)
	91:(n,n')continuum	
8:Rdd,Fpy	102:(n,γ)	
12:mult(γ)	18:(n,f)total	102:(n,γ)
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	

98-Cf-249 JOINT EVALUATED FILE INDEX

MF	MT	MT
98-Cf-249	**Tape no: 9,19 Material no: 4989**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	37:(n,4n)
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	37:(n,4n)
	91:(n,n')continuum	
8:Rdd,Fpy	102:(n,γ)	
12:mult(γ)	18:(n,f)total	102:(n,γ)
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
98-Cf-250	**Tape no: 9,19 Material no: 4980**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	37:(n,4n)
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	37:(n,4n)
	91:(n,n')continuum	
8:Rdd,Fpy	16:(n,2n)	102:(n,γ)
12:mult(γ)	18:(n,f)total	102:(n,γ)
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
98-Cf-251	**Tape no: 9,19 Material no: 4981**	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)

MF	MT	MT
(contd)		
98-Cf-251	Tape no: 9,19 Material no: 4981	
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	37:(n,4n)
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	37:(n,4n)
	91:(n,n')continuum	
8:Rdd,Fpy	16:(n,2n)	17:(n,3n)
	102:(n,γ)	
12:mult(γ)	18:(n,f)total	102:(n,γ)
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
98-Cf-252	Tape no: 9,19 Material no: 4982	
1:Information	451:(Gen. info.)	452:(n,f)ν
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	4:(n,inel)	16:(n,2n)
	17:(n,3n)	18:(n,f)total
	37:(n,4n)	91:(n,n')continuum
	102:(n,γ)	251:μ
	252:ξ	253:γ
4:dσ/dθ	2:(n,el)	16:(n,2n)
	17:(n,3n)	37:(n,4n)
	91:(n,n')continuum	
5:dσ/dE	16:(n,2n)	17:(n,3n)
	18:(n,f)total	37:(n,4n)
	91:(n,n')continuum	
8:Rdd,Fpy	16:(n,2n)	17:(n,3n)
	37:(n,4n)	102:(n,γ)
12:mult(γ)	18:(n,f)total	102:(n,γ)
13:σ(E)(γ)	3:(n,nonel)	
14:dσ/dθ(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
15:dσ/dE(γ)	3:(n,nonel)	18:(n,f)total
	102:(n,γ)	
98-Cf-253	Tape no: 9,19 Material no: 4983	
1:Information	451:(Gen. info.)	452:(n,f)ν

MF	MT	MT
(contd)		
98-Cf-253	**Tape no: 9,19 Material no: 4983**	
2:Res. parm.	151:(n,res) + unres	
3:σ(E)	1:(n,tot)	2:(n,el)
	18:(n,f)total	102:(n,γ)
	251:μ	252:ξ
	253:γ	
4:dσ/dθ	2:(n,el)	
5:dσ/dE	18:(n,f)total	

JOINT EVALUATED FILE INDEX

MF		MT	MT
99-Es-253	Tape no: 9,19	Material no: 4993	
1:Information		451:(Gen. info.)	
2:Res. parm.		151:(n,res) + unres	
3:σ(E)		1:(n,tot)	2:(n,el)
		102:(n,γ)	251:μ
		252:ξ	253:γ
4:dσ/dθ		2:(n,el)	