Cross section libraries for Serpent 1.1.7

Documentation

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Contents

1   What's new?

Updates since the first cross section library version (for Serpent 1.1.0):

- New JEFF-3.1.1-based library is available.

- Probability tables for unresolved region cross sections are available.

- HEATR-module was run — heat production cross sections are available.

- GASPR-module was run — gas production data is available.

- Fixed a couple of confusions in the assignment of metastable nuclides 48315, 52327, 52329 and a stable nuclide 99253 in JEF-2.2-based library.

2   Creation of the libraries and NJOY parameters

2.1   Procedure and naming practices

The Serpent libraries were processed using NJOY version 99.259 [1]. NJOY parameters and modules are introduced briefly in subsection 2.2.

All the nuclides in available ENDF sources[1] were processed separately to six temperatures: 300, 600, 900, 1200, 1500 and 1800 K. Nuclide and source-specific ACE files (one per temperature) were then combined and cross sections in different temperatures were renamed as

<ZA>.<id>

where <id> is 03c for 300 K, 06c for 600 K etc. ZA is a commonly-used nuclide identifier which consists of the atomic and mass numbers of a nuclide. For example, ZA of ^{238}U is 92238 and ZA of natural carbon is 6000. The metastable nuclides were denoted by changing the third last digits in their ZAs into 3 (such as 48115m $\rightarrow$ 48315).

The final ACE files were named as

<ZA><source>.ace

where <source> is the ENDF source (including version number) of the cross section data in question. Because the maximum row length of the xsdir file is limited to 80 characters in MCNP, some of the library file names had to be shortened slightly to avoid problems. The abbreviations used in ACE file names are given in table 1 with the exception that ^{238}U file of JEFF-3.1.1 is named 92238JF311.ace.

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[1]BROND-2.2, CENDL-2.1, JENDL-3.2, JENDL-3.3, JEF-2.2, JEFF-3.1, JEFF-3.1.1, ENDF/B-V, ENDF/B-VI.8 and ENDF/B-VII.

Table 1: ENDF sources and corresponding abbreviations used in file names.

ENDF/B	$\longrightarrow$	ENDF
JEFF	$\longrightarrow$	JEF
JENDL	$\longrightarrow$	JNDL
CENDL	$\longrightarrow$	CNDL
BROND	$\longrightarrow$	BRND

Five libraries based on different ENDF data sources were constructed from the ACE files. First, all the available ACE files from the basis source were included in the library and, after this, substitutes for the missing nuclides were taken from other sources according to a chosen priority. Thanks to this procedure, all the final libraries contain cross section data for 432 nuclides as listed in Section 4. An xsdir file (for MCNP) was created for each library and renamed `sss_<basis>.xsdir`.

Finally, the libraries were completed by adding in fission product yields (`sss_<basis>.nfy`) and radioactive decay data (`sss_<basis>.dec`).

The processing was done automatically using an auxiliary cross section processing script "SFFER". However, the problematic nuclides discussed in Section 3 were treated separately.

2.2 NJOY parameters

Table 2: Parameters and modules used in the creation of cross section libraries for Serpent. Explanations for different parameters can be found in [1].

Module	Parameter	value
RECONR		
	err	0.01
	errint	5×10^{-7}
	errmax	0.1
BROADR		
	errthn	0.01
	errint	5×10^{-7}
	errmax	0.1
HEATR		
	local	1
GASPR		
PURR		
	nbin	20
	nladr	64
ACER		
	newfor	1
	iopp	1

NJOY parameters that were used in the processing are tabulated in Table 2. A few remarks on the chosen parameters:

- According to [2], the chosen RECONR and BROADR parameters are the same as if `err` was chosen 0.01 and the two other parameters were not given at all (default values).

- The local deposition flag is turned on in HEATR module. This means that all photons are deposited locally as if they had a very short range. In other words, HEATR adds the contribution of photons into the heating numbers and sets the photon production cross sections to zero. This choice was made due to the fact that the current version of Serpent (1.1.6) is not capable of photon transport.

- PURR module does not affect the nuclides with no unresolved region parameters in the ENDF File 2.

3 Problematic nuclides

Problematic nuclides, their possible substitutes and short explanations are tabulated in 3.

Table 3: Nuclides that did not work as intended, their substitutes and brief explanations (in many cases Serpent error messages).

Nuclide ZAID	ENDF source	Substitute	Problem description
6012	JENDL-3.2	-	For some reason, the XSS array length and pointers 18-20 in the JXS array JXS(18-20) of the ACE file are incorrect. The result was the same also if all of the "optional" modules of NJOY were skipped in the processing. The ACE file was fixed by correcting the XSS array length manually. After this crude fix the nuclide seems to work OK with Serpent, but not with MCNP. However, because the nuclide was considered important, it was included in the package.

64000	BROND22	-	HEATR module of NJOY crashes when processing this nuclide (and some other nuclides from old ENDF sources). The nuclide was processed without the HEATR module.
31069	ENDF/B-VII	JENDL-3.3	Included a scattering law that is not supported by Serpent
82000	JEF-2.2	JENDL-3.2	EnergyDistribution: Value 0.000E+00 of parameter CDF(NP-1) below lower limit 9.999E-01 (law 4/55)
39089	ENDF/B-VII	ENDF/B-6.8	Contains 210 negative energy points. Caused problems in a Serpent calculation.
47107	ENDF/B-VII	JEFF-3.1.1	EnergyDistribution: Error in interpolation type: 2
80196	ENDF/B-VII	JEFF-3.1.1	EnergyDistribution: Error in interpolation type: 2
80198	ENDF/B-VII	JEFF-3.1.1	EnergyDistribution: Error in interpolation type: 2
80199	ENDF/B-VII	JEFF-3.1.1	EnergyDistribution: Error in interpolation type: 2
80200	ENDF/B-VII	JEFF-3.1.1	EnergyDistribution: Error in interpolation type: 2
80201	ENDF/B-VII	JEFF-3.1.1	EnergyDistribution: Error in interpolation type: 2
80202	ENDF/B-VII	JEFF-3.1.1	EnergyDistribution: Error in interpolation type: 2
80204	ENDF/B-VII	JEFF-3.1.1	EnergyDistribution: Error in interpolation type: 2
83209	JEF-2.2	JEFF-3.1.1	EnergyDistribution: Error in interpolation type: 2
95243	JEF-2.2	JEFF-3.1.1	ThinGrid: value -INF of parameter "tst" below lower limit 0.000E+00

4 Complete descriptions of the libraries

Contents of the final ACE libraries are listed in the following. The same information can be found in files `sss_ace_<basis>.pdf` in the `docs/` subdirectory.

Use the `xsdirconvert.pl` utility in `util/` to convert xsdir to a Serpent directory file. The utility requires that the datapath (defined in the beginning of the xsdir file) points to the directory in which the ACE files are located.

4.1 ACE library based on JEFF-3.1.1

Uncompressed library size: 5.3 GB.

ZA	Evaluation		Temperatures (in kelvin)	prob. tables
1001	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
1002	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
1003	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
2000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
2003	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
2004	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
3006	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
3007	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
4007	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
4009	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
5010	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
5011	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
6000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
6012	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
7014	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
7015	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
8016	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
8017	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
9019	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
11022	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
11023	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
12000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
12024	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
12025	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
12026	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
13027	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
14000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
14028	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
14029	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
14030	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
15031	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

16000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
16032	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
16033	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
16034	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
16036	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
17000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
17035	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
17037	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
18036	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
18038	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
18040	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
19000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
19039	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
19040	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
19041	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
20040	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20042	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20043	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20044	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20046	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20048	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
21045	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
22046	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22047	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22048	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22049	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22050	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
23000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
23051	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24050	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
24052	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
24053	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
24054	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
25055	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
26000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
26054	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
26056	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
26057	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
26058	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
27058	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
27059	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

27358	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
28058	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28059	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28060	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28061	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28062	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28064	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
29000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
29063	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
29065	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
30000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
30064	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
31000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
31069	JENDL	3.3	300, 600, 900, 1200, 1500, 1800	
31071	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
32000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
32070	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
32072	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
32073	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
32074	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
32076	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
33074	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
33075	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
34074	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
34076	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
34077	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
34078	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
34079	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
34080	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
34082	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
35079	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
35081	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
36078	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
36080	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
36082	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
36083	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
36084	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
36085	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
36086	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
37085	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
37086	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
37087	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
38084	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

38086	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
38087	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
38088	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
38089	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
38090	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
39089	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
39090	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
39091	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
40000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
40090	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
40091	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
40092	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
40093	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
40094	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
40095	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
40096	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
41093	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
41094	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
41095	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
42092	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42094	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42095	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42096	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42097	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42098	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42099	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42100	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
43099	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
44096	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
44098	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
44099	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
44100	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
44101	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
44102	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
44103	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
44104	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
44105	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
44106	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
45103	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
45105	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
46102	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
46104	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
46105	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X

46106	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
46107	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
46108	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
46110	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
47000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
47107	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
47109	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
47111	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
47310	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
48106	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48108	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48110	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48111	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
48112	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48113	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
48114	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48116	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48315	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
49000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
49113	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
49115	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
50112	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50113	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50114	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50115	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50116	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50117	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50118	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50119	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50120	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50122	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50123	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
50124	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50125	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
50126	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
51000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
51121	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
51123	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
51124	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
51125	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
51126	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52120	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

52122	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52123	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52124	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52125	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52126	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52128	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52130	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52132	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52327	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
52329	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
53127	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
53129	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
53130	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
53131	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
53135	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54123	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
54124	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54126	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54128	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54129	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54130	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54131	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54132	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54133	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54134	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54135	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
54136	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
55133	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
55134	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
55135	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
55136	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
55137	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56130	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56132	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56133	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56134	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56135	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56136	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56137	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56138	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
56140	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
57138	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
57139	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
57140	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

58136	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58138	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58139	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58140	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
58141	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
58142	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
58143	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
58144	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
59141	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
59142	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
59143	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
60142	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
60143	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
60144	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
60145	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
60146	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
60147	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
60148	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
60150	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
61147	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
61148	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
61149	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
61151	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
61348	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
62000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
62144	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
62147	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
62148	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
62149	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
62150	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
62151	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
62152	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
62153	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
62154	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
63000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
63151	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
63152	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
63153	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
63154	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
63155	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
63156	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
63157	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
64000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
64152	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X

64153	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64154	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
64155	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
64156	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
64157	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
64158	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
64160	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
65159	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
65160	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
66156	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66158	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66160	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
66161	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
66162	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
66163	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
66164	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
67165	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
67366	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
68162	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68164	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68166	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68167	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
68168	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68170	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
71000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	X
71175	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
71176	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
72000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72174	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
72176	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
72177	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
72178	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
72179	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
72180	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
73181	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
73182	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
74000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
74182	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
74183	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
74184	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
74186	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
75000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
75185	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
75187	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X

76000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
77000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
77191	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
77193	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
78000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
79197	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
80196	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80198	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80199	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80200	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80201	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80202	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80204	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
81000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
82204	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82206	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82207	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82208	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
83209	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88223	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88224	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88225	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88226	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
89225	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
89226	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
89227	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90227	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90228	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90229	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90230	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90232	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
90233	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90234	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
91231	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
91232	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
91233	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
92232	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
92233	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
92234	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
92235	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
92236	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
92237	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X

92238	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
92239	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92240	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92241	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
93235	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
93236	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
93237	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
93238	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
93239	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
94236	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
94237	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
94238	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
94239	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
94240	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
94241	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
94242	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
94243	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
94244	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
94246	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
95241	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
95242	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
95243	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
95244	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
95342	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
95344	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
96240	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96241	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
96242	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96243	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96244	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96245	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96246	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96247	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96248	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96249	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96250	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
97247	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
97249	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
97250	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
98249	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
98250	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
98251	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
98252	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
98253	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X

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98254     JEFF      3.1.1   300, 600, 900, 1200, 1500, 1800
99253     JEFF      3.1.1   300, 600, 900, 1200, 1500, 1800   X
99254     JEFF      3.1.1   300, 600, 900, 1200, 1500, 1800
99255     JEFF      3.1.1   300, 600, 900, 1200, 1500, 1800
100255    JEFF      3.1.1   300, 600, 900, 1200, 1500, 1800
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4.2 ACE library based on JEFF-3.1

Uncompressed library size: 5.4 GB.

ZA	Evaluation		Temperatures (in kelvin)	prob. tables
1001	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
1002	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
1003	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
2000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
2003	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
2004	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
3006	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
3007	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
4007	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
4009	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
5010	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
5011	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
6000	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
6012	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
7014	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
7015	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
8016	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
8017	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
9019	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
11022	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
11023	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
12000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
12024	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
12025	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
12026	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
13027	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
14000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
14028	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
14029	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
14030	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
15031	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
16000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
16032	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
16033	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
16034	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
16036	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
17000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
17035	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
17037	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	

18036	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
18038	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
18040	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
19000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
19039	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
19040	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
19041	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
20000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
20040	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
20042	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
20043	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
20044	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
20046	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
20048	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
21045	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
22000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
22046	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
22047	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
22048	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
22049	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
22050	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
23000	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
23051	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24050	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
24052	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
24053	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
24054	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
25055	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
26000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
26054	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
26056	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
26057	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
26058	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
27058	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
27059	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
27358	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
28000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
28058	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
28059	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
28060	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
28061	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
28062	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
28064	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	

29000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
29063	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
29065	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
30000	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
30064	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
31000	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
31069	JENDL	3.3	300, 600, 900, 1200, 1500, 1800	
31071	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
32000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
32070	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
32072	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
32073	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
32074	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
32076	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
33074	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
33075	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
34074	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
34076	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
34077	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
34078	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
34079	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
34080	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
34082	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
35079	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
35081	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
36078	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
36080	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
36082	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
36083	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
36084	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
36085	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
36086	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
37085	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
37086	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
37087	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
38084	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
38086	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
38087	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
38088	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
38089	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
38090	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
39089	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
39090	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
39091	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	

40000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
40090	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
40091	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
40092	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
40093	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
40094	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
40095	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
40096	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
41093	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
41094	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
41095	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
42000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
42092	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
42094	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
42095	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
42096	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
42097	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
42098	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
42099	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
42100	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
43099	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
44096	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
44098	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
44099	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
44100	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
44101	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
44102	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
44103	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
44104	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
44105	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
44106	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
45103	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
45105	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
46102	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
46104	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
46105	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
46106	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
46107	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
46108	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
46110	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
47000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
47107	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
47109	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
47111	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	

47310	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
48000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
48106	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
48108	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
48110	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
48111	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
48112	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
48113	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
48114	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
48116	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
48315	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
49000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
49113	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
49115	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
50112	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50113	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50114	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50115	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50116	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50117	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50118	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50119	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50120	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50122	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50123	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
50124	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
50125	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
50126	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
51000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
51121	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
51123	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
51124	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
51125	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
51126	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52120	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52122	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52123	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52124	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52125	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52126	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52128	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52130	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52132	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	

52327	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
52329	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
53127	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
53129	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
53130	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
53131	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
53135	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54123	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
54124	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54126	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54128	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54129	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54130	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54131	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54132	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54133	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54134	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54135	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
54136	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
55133	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
55134	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
55135	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
55136	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
55137	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
56130	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
56132	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
56133	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56134	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
56135	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
56136	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
56137	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
56138	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
56140	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
57138	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
57139	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
57140	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
58136	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58138	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58139	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58140	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
58141	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
58142	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
58143	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
58144	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X

59141	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
59142	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
59143	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
60142	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
60143	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
60144	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
60145	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
60146	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
60147	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
60148	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
60150	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
61147	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
61148	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
61149	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
61151	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
61348	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
62000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
62144	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
62147	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
62148	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
62149	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
62150	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
62151	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
62152	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
62153	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
62154	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
63000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
63151	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
63152	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
63153	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
63154	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
63155	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
63156	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
63157	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
64000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
64152	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
64153	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64154	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
64155	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
64156	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
64157	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
64158	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
64160	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
65159	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X

65160	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
66156	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66158	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66160	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
66161	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
66162	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
66163	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
66164	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
67165	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
67366	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
68162	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
68164	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
68166	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
68167	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
68168	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
68170	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
71000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	X
71175	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
71176	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
72000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72174	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
72176	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
72177	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
72178	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
72179	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
72180	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
73181	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
73182	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
74000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
74182	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
74183	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
74184	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
74186	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
75000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
75185	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
75187	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
76000	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
77000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
77191	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
77193	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
78000	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
79197	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
80000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
80196	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	

80198	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
80199	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
80200	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
80201	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
80202	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
80204	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
81000	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
82000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
82204	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
82206	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
82207	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
82208	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
83209	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
88223	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
88224	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
88225	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
88226	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
89225	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
89226	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
89227	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
90227	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
90228	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
90229	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
90230	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
90232	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
90233	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
90234	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
91231	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
91232	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
91233	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
92232	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
92233	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
92234	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
92235	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
92236	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
92237	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
92238	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
92239	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92240	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92241	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
93235	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
93236	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
93237	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
93238	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X

93239	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
94236	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
94237	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
94238	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
94239	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
94240	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
94241	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
94242	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
94243	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
94244	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
94246	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
95241	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
95242	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
95243	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
95244	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
95342	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
95344	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
96240	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
96241	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
96242	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
96243	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
96244	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
96245	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
96246	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
96247	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
96248	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
96249	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
96250	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
97247	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
97249	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
97250	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
98249	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
98250	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
98251	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
98252	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
98253	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
98254	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
99253	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	X
99254	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
99255	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	
100255	JEFF	3.1	300, 600, 900, 1200, 1500, 1800	

4.3 ACE library based on JEF-2.2

Uncompressed library size: 3.0 GB.

ZA	Evaluation		Temperatures (in kelvin)	prob. tables
1001	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
1002	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
1003	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
2000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
2003	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
2004	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
3006	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
3007	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
4007	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
4009	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
5010	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
5011	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
6000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
6012	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
7014	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
7015	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
8016	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
8017	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
9019	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
11022	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
11023	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
12000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
12024	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
12025	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
12026	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
13027	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
14000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
14028	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
14029	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
14030	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
15031	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
16000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
16032	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
16033	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
16034	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
16036	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
17000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
17035	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
17037	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

18036	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
18038	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
18040	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
19000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
19039	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
19040	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
19041	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
20040	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20042	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20043	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20044	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20046	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20048	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
21045	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
22046	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22047	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22048	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22049	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22050	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
23000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
23051	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24050	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
24052	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
24053	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
24054	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
25055	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
26000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
26054	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
26056	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
26057	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
26058	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
27058	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
27059	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
27358	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
28058	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
28059	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28060	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
28061	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
28062	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
28064	JEF	2.2	300, 600, 900, 1200, 1500, 1800	

29000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
29063	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
29065	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
30000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
30064	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
31000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
31069	JENDL	3.3	300, 600, 900, 1200, 1500, 1800	
31071	JENDL	3.3	300, 600, 900, 1200, 1500, 1800	
32000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
32070	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
32072	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
32073	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
32074	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
32076	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
33074	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
33075	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
34074	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
34076	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
34077	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
34078	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
34079	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
34080	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
34082	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
35079	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
35081	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
36078	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
36080	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
36082	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
36083	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
36084	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
36085	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
36086	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
37085	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
37086	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
37087	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
38084	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
38086	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
38087	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
38088	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
38089	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
38090	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
39089	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
39090	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
39091	JEF	2.2	300, 600, 900, 1200, 1500, 1800	

40000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
40090	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
40091	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
40092	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
40093	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
40094	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
40095	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
40096	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
41093	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
41094	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
41095	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
42000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
42092	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
42094	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
42095	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
42096	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
42097	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
42098	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
42099	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
42100	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
43099	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
44096	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
44098	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
44099	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
44100	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
44101	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
44102	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
44103	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
44104	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
44105	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
44106	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
45103	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
45105	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
46102	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
46104	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
46105	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
46106	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
46107	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
46108	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
46110	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
47000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
47107	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
47109	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
47111	JEF	2.2	300, 600, 900, 1200, 1500, 1800	

47310	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48000	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
48106	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
48108	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48110	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
48111	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
48112	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
48113	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
48114	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
48116	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
48315	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
49000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
49113	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
49115	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
50112	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50113	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50114	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50115	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50116	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50117	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50118	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50119	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50120	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50122	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50123	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50124	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50125	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
50126	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
51000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
51121	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
51123	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
51124	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
51125	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
51126	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52120	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52122	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52123	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52124	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52125	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52126	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52128	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52130	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52132	JEF	2.2	300, 600, 900, 1200, 1500, 1800	

52327	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
52329	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
53127	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
53129	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
53130	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
53131	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
53135	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54123	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
54124	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54126	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54128	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54129	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54130	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54131	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54132	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54133	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54134	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54135	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
54136	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
55133	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
55134	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
55135	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
55136	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
55137	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
56130	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56132	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56133	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56134	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
56135	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
56136	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
56137	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
56138	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
56140	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
57138	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
57139	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
57140	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
58136	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58138	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58139	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58140	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
58141	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
58142	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
58143	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
58144	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X

59141	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
59142	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
59143	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
60142	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
60143	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
60144	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
60145	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
60146	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
60147	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
60148	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
60150	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
61147	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
61148	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
61149	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
61151	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
61348	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
62000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
62144	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
62147	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
62148	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
62149	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
62150	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
62151	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
62152	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
62153	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
62154	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
63000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
63151	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
63152	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
63153	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
63154	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
63155	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
63156	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
63157	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
64000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
64152	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
64153	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64154	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
64155	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
64156	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
64157	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
64158	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
64160	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
65159	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X

65160	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
66156	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66158	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66160	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
66161	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
66162	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
66163	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
66164	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
67165	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
67366	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
68162	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68164	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68166	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
68167	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
68168	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68170	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
71000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	X
71175	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
71176	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
72000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72174	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
72176	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
72177	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
72178	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
72179	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
72180	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
73181	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
73182	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
74000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
74182	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
74183	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
74184	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
74186	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
75000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
75185	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
75187	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
76000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
77000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
77191	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
77193	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
78000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
79197	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
80000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
80196	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

80198	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80199	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80200	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80201	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80202	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80204	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
81000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
82204	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82206	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82207	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82208	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
83209	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88223	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88224	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88225	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88226	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
89225	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
89226	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
89227	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90227	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90228	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90229	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90230	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
90232	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
90233	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90234	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
91231	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
91232	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
91233	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
92232	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
92233	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
92234	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
92235	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
92236	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
92237	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
92238	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
92239	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92240	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92241	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
93235	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
93236	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
93237	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
93238	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X

93239	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
94236	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
94237	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
94238	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
94239	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
94240	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
94241	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
94242	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
94243	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
94244	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
94246	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
95241	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
95242	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
95243	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
95244	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
95342	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
95344	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
96240	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96241	JEF	2.2	300, 600, 900, 1200, 1500, 1800	
96242	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
96243	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
96244	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
96245	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
96246	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
96247	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
96248	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
96249	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96250	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
97247	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
97249	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
97250	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
98249	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
98250	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
98251	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
98252	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
98253	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
98254	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
99253	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
99254	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
99255	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
100255	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

4.4 ACE library based on ENDFB/VI.8

Uncompressed library size: 3.7 GB.

ZA	Evaluation		Temperatures (in kelvin)	prob. tables
1001	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
1002	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
1003	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
2000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
2003	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
2004	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
3006	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
3007	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
4007	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
4009	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
5010	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
5011	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
6000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
6012	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
7014	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
7015	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
8016	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
8017	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
9019	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
11022	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
11023	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
12000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
12024	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
12025	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
12026	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
13027	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
14000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
14028	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
14029	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
14030	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
15031	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
16000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
16032	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
16033	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
16034	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
16036	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
17000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
17035	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
17037	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	

18036	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
18038	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
18040	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
19000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
19039	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
19040	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
19041	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
20040	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20042	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20043	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20044	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20046	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
20048	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
21045	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
22000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
22046	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22047	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22048	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22049	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
22050	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
23000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
23051	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24050	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
24052	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
24053	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
24054	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
25055	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
26000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
26054	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
26056	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
26057	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
26058	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
27058	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
27059	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
27358	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
28058	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
28059	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
28060	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
28061	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
28062	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
28064	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	

29000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
29063	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
29065	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
30000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
30064	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
31000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
31069	JENDL	3.3	300, 600, 900, 1200, 1500, 1800	
31071	JENDL	3.3	300, 600, 900, 1200, 1500, 1800	
32000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
32070	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
32072	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
32073	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
32074	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
32076	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
33074	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
33075	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
34074	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
34076	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
34077	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
34078	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
34079	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
34080	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
34082	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
35079	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
35081	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
36078	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
36080	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
36082	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
36083	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
36084	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
36085	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
36086	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
37085	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
37086	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
37087	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
38084	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
38086	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
38087	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
38088	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
38089	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
38090	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
39089	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
39090	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
39091	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	

40000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
40090	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
40091	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
40092	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
40093	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
40094	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
40095	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
40096	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
41093	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
41094	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
41095	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
42000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
42092	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42094	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
42095	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
42096	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
42097	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
42098	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
42099	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
42100	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
43099	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
44096	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
44098	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
44099	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
44100	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
44101	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
44102	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
44103	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
44104	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
44105	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
44106	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
45103	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
45105	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
46102	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
46104	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
46105	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
46106	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
46107	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
46108	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
46110	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
47000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
47107	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
47109	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
47111	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	

47310	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
48000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
48106	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
48108	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
48110	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
48111	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
48112	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
48113	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
48114	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
48116	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
48315	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
49000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
49113	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
49115	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
50000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
50112	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50113	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50114	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50115	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50116	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50117	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50118	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50119	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50120	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50122	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50123	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50124	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50125	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
50126	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
51000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
51121	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
51123	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
51124	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
51125	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
51126	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52120	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52122	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52123	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52124	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52125	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52126	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52128	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52130	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52132	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	

52327	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
52329	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
53127	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
53129	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
53130	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
53131	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
53135	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54123	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
54124	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54126	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54128	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54129	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54130	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54131	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
54132	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54133	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54134	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54135	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
54136	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
55133	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
55134	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
55135	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
55136	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
55137	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
56130	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56132	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
56133	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56134	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
56135	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
56136	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
56137	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
56138	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
56140	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
57138	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
57139	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
57140	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
58136	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58138	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58139	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58140	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
58141	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
58142	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
58143	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
58144	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	

59141	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
59142	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
59143	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
60142	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
60143	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
60144	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
60145	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
60146	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
60147	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
60148	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
60150	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
61147	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
61148	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
61149	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
61151	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
61348	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
62000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
62144	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
62147	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
62148	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
62149	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
62150	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
62151	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
62152	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
62153	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
62154	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
63000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
63151	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
63152	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
63153	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
63154	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
63155	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
63156	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
63157	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
64000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
64152	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
64153	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64154	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
64155	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
64156	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
64157	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
64158	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
64160	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
65159	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	

65160	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
66156	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66158	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66160	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
66161	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
66162	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
66163	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
66164	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
67165	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
67366	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
68162	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68164	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68166	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
68167	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
68168	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
68170	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
71000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	X
71175	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
71176	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72174	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72176	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72177	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72178	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72179	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72180	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
73181	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
73182	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
74000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
74182	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
74183	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
74184	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
74186	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
75000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
75185	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
75187	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
76000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
77000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
77191	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
77193	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
78000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
79197	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
80000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
80196	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

80198	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80199	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80200	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80201	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80202	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80204	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
81000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
82204	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82206	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
82207	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
82208	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
83209	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
88223	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88224	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88225	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
88226	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
89225	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
89226	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
89227	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90227	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90228	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90229	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90230	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
90232	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
90233	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
90234	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
91231	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
91232	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
91233	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
92232	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
92233	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
92234	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
92235	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
92236	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
92237	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
92238	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
92239	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92240	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92241	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
93235	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
93236	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
93237	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
93238	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X

93239	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
94236	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
94237	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
94238	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
94239	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
94240	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
94241	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
94242	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
94243	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
94244	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
94246	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
95241	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
95242	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
95243	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
95244	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
95342	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
95344	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
96240	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96241	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
96242	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
96243	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
96244	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
96245	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
96246	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
96247	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
96248	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
96249	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96250	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
97247	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
97249	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
97250	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
98249	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
98250	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
98251	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
98252	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
98253	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
98254	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
99253	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
99254	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
99255	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
100255	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

4.5 ACE library based on ENDFB/VII

Uncompressed library size: 7.0 GB.

ZA	Evaluation		Temperatures (in kelvin)	prob. tables
1001	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
1002	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
1003	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
2000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
2003	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
2004	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
3006	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
3007	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
4007	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
4009	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
5010	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
5011	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
6000	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
6012	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
7014	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
7015	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
8016	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
8017	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
9019	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
11022	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
11023	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
12000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
12024	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
12025	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
12026	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
13027	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
14000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
14028	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
14029	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
14030	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
15031	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
16000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
16032	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
16033	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
16034	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
16036	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
17000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
17035	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
17037	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	

18036	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
18038	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
18040	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
19000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
19039	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
19040	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
19041	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
20000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
20040	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
20042	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
20043	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
20044	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
20046	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
20048	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
21045	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
22000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
22046	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
22047	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
22048	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
22049	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
22050	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
23000	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
23051	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
24050	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
24052	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
24053	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
24054	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
25055	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
26000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
26054	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
26056	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
26057	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
26058	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
27058	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
27059	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
27358	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
28000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
28058	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
28059	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
28060	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
28061	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
28062	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
28064	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	

29000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
29063	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
29065	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
30000	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
30064	JEF	2.2	300, 600, 900, 1200, 1500, 1800	X
31000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
31069	JENDL	3.3	300, 600, 900, 1200, 1500, 1800	
31071	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
32000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
32070	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
32072	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
32073	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
32074	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
32076	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
33074	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
33075	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
34074	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
34076	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
34077	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
34078	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
34079	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
34080	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
34082	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
35079	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
35081	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
36078	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
36080	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
36082	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
36083	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
36084	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
36085	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
36086	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
37085	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
37086	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
37087	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
38084	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
38086	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
38087	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
38088	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
38089	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
38090	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
39089	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
39090	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
39091	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X

40000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
40090	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
40091	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
40092	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
40093	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
40094	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
40095	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
40096	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
41093	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
41094	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
41095	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
42000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
42092	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
42094	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
42095	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
42096	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
42097	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
42098	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
42099	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
42100	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
43099	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
44096	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
44098	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
44099	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
44100	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
44101	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
44102	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
44103	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
44104	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
44105	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
44106	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
45103	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
45105	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
46102	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
46104	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
46105	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
46106	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
46107	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
46108	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
46110	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
47000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
47107	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
47109	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
47111	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X

47310	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
48000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
48106	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
48108	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
48110	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
48111	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
48112	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
48113	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
48114	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
48116	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
48315	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
49000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	
49113	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
49115	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
50112	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50113	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50114	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50115	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50116	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50117	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50118	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50119	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50120	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50122	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
50123	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50124	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
50125	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
50126	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
51000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
51121	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
51123	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
51124	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
51125	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
51126	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52120	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52122	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52123	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52124	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52125	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52126	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52128	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52130	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52132	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X

52327	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
52329	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
53127	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
53129	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
53130	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
53131	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
53135	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
54123	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
54124	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
54126	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
54128	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
54129	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
54130	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
54131	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
54132	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
54133	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
54134	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
54135	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
54136	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
55133	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
55134	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
55135	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
55136	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
55137	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56130	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56132	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56133	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56134	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56135	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56136	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56137	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
56138	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
56140	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
57138	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
57139	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
57140	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58136	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58138	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58139	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58140	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
58141	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58142	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58143	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
58144	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X

59141	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
59142	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
59143	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
60142	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
60143	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
60144	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
60145	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
60146	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
60147	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
60148	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
60150	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
61147	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
61148	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
61149	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
61151	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
61348	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
62000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
62144	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
62147	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
62148	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
62149	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
62150	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
62151	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
62152	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
62153	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
62154	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
63000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	X
63151	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
63152	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
63153	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
63154	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
63155	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
63156	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
63157	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
64152	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64153	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64154	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64155	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64156	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64157	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64158	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
64160	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
65159	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X

65160	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66156	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66158	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66160	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66161	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66162	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66163	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
66164	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
67165	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
67366	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
68162	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
68164	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
68166	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
68167	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
68168	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
68170	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
71000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	X
71175	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
71176	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
72000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
72174	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
72176	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
72177	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
72178	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
72179	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
72180	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
73181	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
73182	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
74000	ENDF/B	VI.8	300, 600, 900, 1200, 1500, 1800	X
74182	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
74183	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
74184	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
74186	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
75000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	X
75185	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
75187	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
76000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
77000	BROND	2.2	300, 600, 900, 1200, 1500, 1800	
77191	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
77193	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
78000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
79197	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
80000	JENDL	2.1	300, 600, 900, 1200, 1500, 1800	
80196	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	

80198	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80199	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80200	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80201	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80202	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
80204	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
81000	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
82000	JENDL	3.2	300, 600, 900, 1200, 1500, 1800	
82204	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
82206	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
82207	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
82208	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
83209	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
88223	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
88224	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
88225	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
88226	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
89225	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
89226	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
89227	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
90227	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
90228	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
90229	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
90230	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
90232	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
90233	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
90234	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
91231	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
91232	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
91233	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92232	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92233	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92234	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92235	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92236	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92237	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92238	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92239	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92240	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
92241	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
93235	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
93236	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
93237	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
93238	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	

93239	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
94236	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
94237	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
94238	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
94239	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
94240	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
94241	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
94242	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
94243	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
94244	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
94246	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
95241	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
95242	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
95243	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
95244	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
95342	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
95344	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
96240	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	X
96241	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
96242	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
96243	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
96244	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
96245	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
96246	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
96247	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
96248	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
96249	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
96250	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
97247	JEFF	3.1.1	300, 600, 900, 1200, 1500, 1800	
97249	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
97250	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
98249	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
98250	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
98251	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
98252	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
98253	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
98254	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
99253	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	X
99254	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
99255	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	
100255	ENDF/B	VII	300, 600, 900, 1200, 1500, 1800	

References

[1] NJOY99.0 Documentation, Oak Ridge National Laboratory, 2000

[2] User Input for NJOY 99.259, Instructions, Los Alamos National Laboratory, latest version available `http://t2.lanl.gov/codes/njoy99/index.html`