

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0

Thermal spectra temperature (E_0) = 2.5310⁻² eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
H1 Material number (MAT) = 125										
1	1	0	1	Total	3.04730E+01	3.3016E+01	1.08345	2.40283E+02	3.99188E+00	6.89030E-01
1	1	0	2	Elastic	3.01404E+01	3.2683E+01	1.08437	2.40134E+02	3.99185E+00	6.89000E-01
1	1	0	102	n,gamma	3.32547E-01	3.3256E-01	1.00003	1.49007E-01	3.95601E-05	2.98300E-05
H2 Material number (MAT) = 128										
1	2	0	1	Total	4.23579E+00	4.6939E+00	1.10816	4.12716E+01	2.54026E+00	8.10000E-01
1	2	0	2	Elastic	4.23528E+00	4.6934E+00	1.10817	4.12714E+01	2.53446E+00	6.38065E-01
1	2	0	102	n,gamma	5.05737E-04	5.0577E-04	1.00007	2.28836E-04	7.01153E-06	9.50000E-06
H3 Material number (MAT) = 131										
1	3	0	1	Total	1.98207E+00	2.2136E+00	1.11682	2.04540E+01	1.95253E+00	9.75200E-01
1	3	0	2	Elastic	1.98207E+00	2.2136E+00	1.11682	2.04540E+01	1.95234E+00	9.25000E-01
He3 Material number (MAT) = 225										
2	3	0	1	Total	5.31996E+03	5.3206E+03	1.00012	2.41194E+03	2.96571E+00	1.17000E+00
2	3	0	2	Elastic	3.86211E+00	4.3148E+00	1.11722	3.85415E+01	2.14869E+00	9.71900E-01
2	3	0	102	n,gamma	3.10022E-05	3.1004E-05	1.00007	1.39248E-05	4.78655E-09	1.31783E-09
He4 Material number (MAT) = 228										
2	4	0	1	Total	8.54854E-01	9.5870E-01	1.12147	9.27302E+00	3.65672E+00	1.05230E+00
2	4	0	2	Elastic	8.54854E-01	9.5870E-01	1.12147	9.27302E+00	3.65672E+00	1.05230E+00
Li6 Material number (MAT) = 325										
3	6	0	1	Total	9.41798E+02	9.4194E+02	1.00015	4.30625E+02	1.92372E+00	1.44900E+00
3	6	0	2	Elastic	7.27869E-01	8.1886E-01	1.12500	8.16070E+00	1.44322E+00	8.61820E-01
3	6	0	102	n,gamma	3.85027E-02	3.8505E-02	1.00007	1.72907E-02	1.16991E-05	1.01739E-05
Li7 Material number (MAT) = 328										
3	7	0	1	Total	1.08513E+00	1.2161E+00	1.12065	1.25180E+01	1.81902E+00	1.44166E+00
3	7	0	2	Elastic	1.03973E+00	1.1706E+00	1.12592	1.24976E+01	1.64073E+00	1.01061E+00
3	7	0	102	n,gamma	4.54048E-02	4.5409E-02	1.00010	2.03841E-02	7.17655E-06	4.10770E-06
Be9 Material number (MAT) = 425										
4	9	0	1	Total	6.50279E+00	7.3267E+00	1.12671	7.41284E+01	2.83033E+00	1.49795E+00
4	9	0	2	Elastic	6.50279E+00	7.3267E+00	1.12671	7.41284E+01	2.67464E+00	9.88030E-01

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
B10 Material number (MAT) = 525										
5	10	0	1	Total	3.84238E+03	3.8427E+03	1.00009	1.74773E+03	2.63907E+00	1.46760E+00
5	10	0	2	Elastic	2.25266E+00	2.5392E+00	1.12720	2.63281E+01	2.08887E+00	9.07458E-01
5	10	0	102	n,gamma	4.99902E-01	4.9977E-01	0.99974	2.23087E-01	3.31469E-05	0.00000E+00
B11 Material number (MAT) = 528										
5	11	0	1	Total	5.06723E+00	5.7117E+00	1.12718	5.92470E+01	2.44487E+00	1.41513E+00
5	11	0	2	Elastic	5.06173E+00	5.7062E+00	1.12731	5.92442E+01	2.41299E+00	7.90977E-01
5	11	0	102	n,gamma	5.50736E-03	5.5079E-03	1.00011	2.74527E-03	2.78447E-06	2.15000E-07
CNat Material number (MAT) = 600										
6	0	0	1	Total	4.94173E+00	5.5713E+00	1.12740	5.75009E+01	2.38349E+00	1.30231E+00
6	0	0	2	Elastic	4.93836E+00	5.5679E+00	1.12749	5.74994E+01	2.36989E+00	8.19220E-01
6	0	0	102	n,gamma	3.36726E-03	3.3775E-03	1.00305	1.52727E-03	9.49010E-06	1.15679E-04
N14 Material number (MAT) = 725										
7	14	0	1	Total	1.21706E+01	1.3482E+01	1.10775	1.11452E+02	2.00548E+00	1.56902E+00
7	14	0	2	Elastic	1.02684E+01	1.1580E+01	1.12770	1.10599E+02	1.86696E+00	9.69674E-01
7	14	0	102	n,gamma	7.49959E-02	7.4986E-02	0.99987	3.36150E-02	3.65322E-05	1.71403E-05
N15 Material number (MAT) = 728										
7	15	0	1	Total	4.56355E+00	5.1379E+00	1.12586	5.19714E+01	2.61590E+00	1.65000E+00
7	15	0	2	Elastic	4.56352E+00	5.1379E+00	1.12586	5.19713E+01	2.60360E+00	9.58539E-01
7	15	0	102	n,gamma	2.40113E-05	2.4049E-05	1.00155	3.21039E-05	1.87456E-05	8.60000E-06
O16 Material number (MAT) = 825										
8	16	0	1	Total	4.01113E+00	4.5242E+00	1.12791	4.72426E+01	2.80709E+00	1.60652E+00
8	16	0	2	Elastic	4.01094E+00	4.5240E+00	1.12792	4.72425E+01	2.78921E+00	9.53867E-01
8	16	0	102	n,gamma	1.90013E-04	1.9020E-04	1.00097	8.55315E-05	2.93382E-08	8.07700E-09
O17 Material number (MAT) = 828										
8	17	0	1	Total	4.08981E+00	4.5824E+00	1.12045	4.49528E+01	1.52476E+00	1.67803E+00
8	17	0	2	Elastic	3.85096E+00	4.3436E+00	1.12792	4.48452E+01	1.36901E+00	7.20000E-01
8	17	0	102	n,gamma	3.82885E-03	3.8266E-03	0.99941	1.71142E-03	1.93712E-04	2.08000E-04
F19 Material number (MAT) = 925										
9	19	0	1	Total	3.74762E+00	4.2260E+00	1.12766	5.16721E+01	3.65806E+00	1.76074E+00
9	19	0	2	Elastic	3.73807E+00	4.2165E+00	1.12798	5.16495E+01	2.66874E+00	9.47550E-01
9	19	0	102	n,gamma	9.55028E-03	9.5508E-03	1.00006	2.25834E-02	2.00670E-04	1.26403E-05

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Na22 Material number (MAT) = 1122										
11	22	0	1	Total	2.91809E+04	2.9242E+04	1.00209	1.57705E+04	2.93869E+00	1.61108E+00
11	22	0	2	Elastic	7.41609E+01	8.3667E+01	1.12818	9.61932E+02	2.04513E+00	7.27126E-01
11	22	0	102	n,gamma	2.52105E+02	2.5253E+02	1.00167	1.28357E+02	7.72508E-04	2.10000E-04
Na23 Material number (MAT) = 1125										
11	23	0	1	Total	3.62133E+00	4.0173E+00	1.10934	1.22986E+02	3.41978E+00	1.80913E+00
11	23	0	2	Elastic	3.08994E+00	3.4858E+00	1.12813	1.22676E+02	3.04231E+00	1.01908E+00
11	23	0	102	n,gamma	5.31399E-01	5.3144E-01	1.00008	3.09988E-01	2.30013E-04	1.49495E-04
MgNat Material number (MAT) = 1200										
12	0	0	1	Total	3.66831E+00	4.1303E+00	1.12595	5.04776E+01	3.47476E+00	1.76600E+00
12	0	0	2	Elastic	3.60532E+00	4.0673E+00	1.12815	5.04429E+01	3.13900E+00	5.57465E-01
12	0	0	102	n,gamma	6.29819E-02	6.2986E-02	1.00007	3.46002E-02	3.71250E-04	3.02062E-05
Al27 Material number (MAT) = 1325										
13	27	0	1	Total	1.68517E+00	1.8713E+00	1.11044	2.37820E+01	3.24038E+00	1.74400E+00
13	27	0	2	Elastic	1.45169E+00	1.6378E+00	1.12819	2.36547E+01	2.92359E+00	7.79181E-01
13	27	0	102	n,gamma	2.33472E-01	2.3349E-01	1.00007	1.27341E-01	5.45932E-04	6.27690E-04
Si28 Material number (MAT) = 1425										
14	28	0	1	Total	2.16038E+00	2.4157E+00	1.11817	2.39050E+01	3.15795E+00	1.73039E+00
14	28	0	2	Elastic	1.99124E+00	2.2465E+00	1.12821	2.38233E+01	2.95736E+00	6.96960E-01
14	28	0	102	n,gamma	1.69142E-01	1.6915E-01	1.00007	8.17020E-02	6.91782E-04	6.30230E-04
Si29 Material number (MAT) = 1428										
14	29	0	1	Total	2.99387E+00	3.3649E+00	1.12393	3.36168E+01	3.68488E+00	1.75709E+00
14	29	0	2	Elastic	2.89238E+00	3.2632E+00	1.12822	3.35521E+01	3.36786E+00	7.71304E-01
14	29	0	102	n,gamma	1.01489E-01	1.0166E-01	1.00169	6.46513E-02	3.11740E-04	3.25079E-04
Si30 Material number (MAT) = 1431										
14	30	0	1	Total	2.64041E+00	2.9657E+00	1.12321	3.53613E+01	3.59276E+00	1.77936E+00
14	30	0	2	Elastic	2.53265E+00	2.8574E+00	1.12823	3.46570E+01	3.41653E+00	7.37449E-01
14	30	0	102	n,gamma	1.07757E-01	1.0833E-01	1.00530	7.04271E-01	6.78539E-04	4.81684E-04
P31 Material number (MAT) = 1525										
15	31	0	1	Total	3.35122E+00	3.7597E+00	1.12188	3.71988E+01	2.88255E+00	1.83172E+00
15	31	0	2	Elastic	3.18503E+00	3.5935E+00	1.12824	3.71231E+01	2.54889E+00	1.11052E+00
15	31	0	102	n,gamma	1.66188E-01	1.6620E-01	1.00007	7.56733E-02	1.01237E-03	9.89503E-06

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
SNat Material number (MAT) = 1600										
16	0	0	1	Total	1.56248E+00	1.6970E+00	1.08609	1.29053E+01	2.72385E+00	1.73900E+00
16	0	0	2	Elastic	1.04048E+00	1.1739E+00	1.12825	1.25707E+01	2.48444E+00	7.62401E-01
16	0	0	102	n,gamma	5.13950E-01	5.1399E-01	1.00007	2.37831E-01	5.70544E-04	3.23398E-06
ClNat Material number (MAT) = 1700										
17	0	0	1	Total	5.01170E+01	5.2461E+01	1.04677	1.07784E+02	2.64043E+00	2.10001E+00
17	0	0	2	Elastic	1.67347E+01	1.8836E+01	1.12555	9.37435E+01	2.34701E+00	1.03430E+00
17	0	0	102	n,gamma	3.30272E+01	3.3270E+01	1.00735	1.38221E+01	1.22355E-04	1.00000E-05
Ar36 Material number (MAT) = 1825										
18	36	0	1	Total	7.96372E+01	8.9283E+01	1.12113	6.68161E+02	2.86328E+00	1.81992E+00
18	36	0	2	Elastic	7.45932E+01	8.4161E+01	1.12827	6.65902E+02	2.51881E+00	7.88321E-01
18	36	0	102	n,gamma	5.04394E+00	5.1221E+00	1.01549	2.25876E+00	3.42869E-03	4.38000E-04
Ar38 Material number (MAT) = 1831										
18	38	0	1	Total	9.74234E+00	1.0922E+01	1.12104	7.87974E+01	2.75481E+00	1.94394E+00
18	38	0	2	Elastic	8.94058E+00	1.0087E+01	1.12828	7.84447E+01	2.55228E+00	8.32130E-01
18	38	0	102	n,gamma	8.01753E-01	8.3409E-01	1.04034	3.52697E-01	7.90332E-04	1.36300E-04
Ar40 Material number (MAT) = 1837										
18	40	0	1	Total	9.63633E-01	1.0015E+00	1.03931	7.02499E+00	2.71534E+00	2.01596E+00
18	40	0	2	Elastic	2.83300E-01	3.1964E-01	1.12829	6.70634E+00	2.32214E+00	8.80807E-01
18	40	0	102	n,gamma	6.80333E-01	6.8187E-01	1.00226	3.18652E-01	9.12666E-04	2.27000E-04
KNat Material number (MAT) = 1900										
19	0	0	1	Total	4.18586E+00	4.4584E+00	1.06511	2.36458E+01	2.80109E+00	2.01725E+00
19	0	0	2	Elastic	2.12311E+00	2.3955E+00	1.12828	2.25391E+01	2.58188E+00	9.58411E-01
19	0	0	102	n,gamma	2.05819E+00	2.0583E+00	1.00007	1.10174E+00	2.91203E-03	8.08638E-06
CaNat Material number (MAT) = 2000										
20	0	0	1	Total	3.49305E+00	3.8853E+00	1.11230	3.32398E+01	2.88488E+00	2.16000E+00
20	0	0	2	Elastic	3.05725E+00	3.4495E+00	1.12829	3.30209E+01	2.66121E+00	1.01029E+00
20	0	0	102	n,gamma	4.35794E-01	4.3583E-01	1.00007	2.18850E-01	1.20722E-03	4.84731E-04
Sc45 Material number (MAT) = 2125										
21	45	0	1	Total	4.95817E+01	5.2457E+01	1.05800	2.36139E+02	3.37986E+00	2.19974E+00
21	45	0	2	Elastic	2.24232E+01	2.5298E+01	1.12821	2.24101E+02	2.65721E+00	9.22400E-01
21	45	0	102	n,gamma	2.71586E+01	2.7159E+01	1.00003	1.20145E+01	5.19966E-03	2.36000E-04

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Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
TiNat Material number (MAT) = 2200										
22	0	0	1	Total	1.02220E+01	1.0752E+01	1.05189	1.46585E+02	3.16857E+00	2.31764E+00
22	0	0	2	Elastic	4.13003E+00	4.6600E+00	1.12832	1.43688E+02	2.54322E+00	9.96724E-01
22	0	0	102	n,gamma	6.09196E+00	6.0924E+00	1.00008	2.89713E+00	2.78796E-03	3.65885E-05
VNat Material number (MAT) = 2300										
23	0	0	1	Total	1.02556E+01	1.0923E+01	1.06504	2.64831E+02	3.85732E+00	2.35478E+00
23	0	0	2	Elastic	5.20666E+00	5.8748E+00	1.12833	2.62191E+02	3.19280E+00	1.10100E+00
23	0	0	102	n,gamma	5.04897E+00	5.0479E+00	0.99978	2.64023E+00	1.89966E-03	6.40000E-04
Cr50 Material number (MAT) = 2425										
24	50	0	1	Total	1.82973E+01	1.8603E+01	1.01669	2.59999E+02	3.66810E+00	2.41771E+00
24	50	0	2	Elastic	2.37172E+00	2.6762E+00	1.12838	2.52546E+02	2.97357E+00	1.09865E+00
24	50	0	102	n,gamma	1.59256E+01	1.5927E+01	1.00006	7.45237E+00	4.41913E-03	1.08000E-03
Cr52 Material number (MAT) = 2431										
24	52	0	1	Total	3.71424E+00	4.0934E+00	1.10209	3.69897E+01	3.40505E+00	2.40861E+00
24	52	0	2	Elastic	2.95426E+00	3.3334E+00	1.12833	3.65384E+01	2.96139E+00	1.04448E+00
24	52	0	102	n,gamma	7.59988E-01	7.6005E-01	1.00008	4.51374E-01	2.10621E-03	7.28558E-04
Cr53 Material number (MAT) = 2434										
24	53	0	1	Total	2.59864E+01	2.7005E+01	1.03919	3.42588E+02	3.78207E+00	2.41771E+00
24	53	0	2	Elastic	7.92364E+00	8.9408E+00	1.12837	3.34175E+02	2.99676E+00	1.01605E+00
24	53	0	102	n,gamma	1.80627E+01	1.8064E+01	1.00007	8.41239E+00	2.07960E-03	9.39400E-04
Cr54 Material number (MAT) = 2437										
24	54	0	1	Total	2.92393E+00	3.2530E+00	1.11254	4.26091E+01	3.67264E+00	2.41771E+00
24	54	0	2	Elastic	2.56393E+00	2.8930E+00	1.12833	4.24185E+01	2.98224E+00	1.00133E+00
24	54	0	102	n,gamma	3.60000E-01	3.6003E-01	1.00008	1.90560E-01	1.59456E-03	5.45400E-04
Mn55 Material number (MAT) = 2525										
25	55	0	1	Total	1.55995E+01	1.5882E+01	1.01809	6.14784E+02	3.67950E+00	2.56703E+00
25	55	0	2	Elastic	2.18651E+00	2.4673E+00	1.12840	6.03040E+02	2.80006E+00	1.21370E+00
25	55	0	102	n,gamma	1.34130E+01	1.3414E+01	1.00011	1.17437E+01	2.94331E-03	6.65000E-04
Fe54 Material number (MAT) = 2625										
26	54	0	1	Total	4.45310E+00	4.7358E+00	1.06348	1.07639E+02	3.64906E+00	2.51094E+00
26	54	0	2	Elastic	2.20165E+00	2.4842E+00	1.12832	1.06460E+02	3.16057E+00	1.18796E+00
26	54	0	102	n,gamma	2.25144E+00	2.2516E+00	1.00008	1.17915E+00	3.59674E-03	7.95000E-04

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Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Fe56 Material number (MAT) = 2631										
26	56	0	1	Total	1.47931E+01	1.6360E+01	1.10591	1.21758E+02	3.24693E+00	2.58908E+00
26	56	0	2	Elastic	1.22076E+01	1.3774E+01	1.12833	1.20431E+02	2.62539E+00	1.16408E+00
26	56	0	102	n,gamma	2.58559E+00	2.5858E+00	1.00007	1.32654E+00	2.73317E-03	7.71190E-04
Fe57 Material number (MAT) = 2634										
26	57	0	1	Total	3.15492E+00	3.2434E+00	1.02804	1.25255E+02	3.99600E+00	2.61420E+00
26	57	0	2	Elastic	6.67843E-01	7.5354E-01	1.12832	1.19946E+02	2.75603E+00	1.24062E+00
26	57	0	102	n,gamma	2.48708E+00	2.4899E+00	1.00112	1.89562E+00	1.76491E-03	3.27800E-04
Fe58 Material number (MAT) = 2637										
26	58	0	1	Total	3.47263E+00	3.7548E+00	1.08125	5.02170E+01	3.89118E+00	2.66210E+00
26	58	0	2	Elastic	2.19892E+00	2.4811E+00	1.12833	4.88268E+01	3.24047E+00	1.26966E+00
26	58	0	102	n,gamma	1.27371E+00	1.2737E+00	0.99998	1.39017E+00	2.06840E-03	7.16150E-04
Co58 Material number (MAT) = 2722										
27	58	0	1	Total	1.95395E+03	1.9751E+03	1.01083	1.18443E+04	3.91281E+00	2.71151E+00
27	58	0	2	Elastic	7.36074E+01	8.3582E+01	1.13550	5.54508E+03	2.62252E+00	1.24310E+00
27	58	0	102	n,gamma	1.64416E+02	1.6751E+02	1.01883	2.16290E+02	2.62284E-03	7.16800E-04
Co58m Material number (MAT) = 2723										
27	58	1	1	Total	1.45032E+05	1.4975E+05	1.03256	2.35416E+05	3.91070E+00	2.71363E+00
27	58	1	2	Elastic	7.06293E+03	8.3493E+03	1.18213	5.90243E+04	2.71489E+00	1.24314E+00
27	58	1	102	n,gamma	1.00848E+05	1.0341E+05	1.02538	1.27751E+05	4.29702E-03	7.52100E-04
Co59 Material number (MAT) = 2725										
27	59	0	1	Total	4.32053E+01	4.3988E+01	1.01811	8.54790E+02	3.73365E+00	2.70798E+00
27	59	0	2	Elastic	6.03186E+00	6.8058E+00	1.12832	7.79032E+02	3.00052E+00	1.38450E+00
27	59	0	102	n,gamma	3.71735E+01	3.7182E+01	1.00023	7.57578E+01	5.00166E-03	9.00000E-04
Ni58 Material number (MAT) = 2825										
28	58	0	1	Total	2.96382E+01	3.2849E+01	1.10834	2.67494E+02	3.65116E+00	2.71483E+00
28	58	0	2	Elastic	2.50180E+01	2.8229E+01	1.12833	2.65331E+02	3.16168E+00	1.29648E+00
28	58	0	102	n,gamma	4.62013E+00	4.6205E+00	1.00008	2.16312E+00	7.81567E-03	4.99540E-04
Ni59 Material number (MAT) = 2828										
28	59	0	1	Total	9.83441E+01	9.8668E+01	1.00330	5.17215E+02	1.19420E+01	5.82072E+00
28	59	0	2	Elastic	2.35431E+00	2.6568E+00	1.12846	3.67061E+02	1.17976E+01	4.60180E+00
28	59	0	102	n,gamma	8.07437E+01	8.0759E+01	1.00019	1.26557E+02	4.84855E-03	5.60000E-04

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Ni60 Material number (MAT) = 2831										
28	60	0	1	Total	3.74861E+00	3.8751E+00	1.03375	8.01159E+01	3.46159E+00	2.72306E+00
28	60	0	2	Elastic	9.84817E-01	1.1112E+00	1.12833	7.87454E+01	2.93500E+00	1.27690E+00
28	60	0	102	n,gamma	2.76380E+00	2.7639E+00	1.00004	1.37052E+00	6.28247E-03	7.59600E-04
Ni61 Material number (MAT) = 2834										
28	61	0	1	Total	1.04564E+01	1.1478E+01	1.09769	1.06035E+02	3.58224E+00	2.75545E+00
28	61	0	2	Elastic	7.95821E+00	8.9795E+00	1.12834	1.04421E+02	2.34509E+00	1.30224E+00
28	61	0	102	n,gamma	2.49824E+00	2.4984E+00	1.00007	1.52264E+00	4.91894E-03	4.22400E-04
Ni62 Material number (MAT) = 2837										
28	62	0	1	Total	2.43869E+01	2.5665E+01	1.05242	4.62599E+02	3.64150E+00	2.75543E+00
28	62	0	2	Elastic	9.97244E+00	1.1253E+01	1.12840	4.56635E+02	3.06935E+00	1.27840E+00
28	62	0	102	n,gamma	1.44145E+01	1.4412E+01	0.99985	5.96380E+00	6.70493E-03	2.39400E-04
Ni64 Material number (MAT) = 2843										
28	64	0	1	Total	1.53435E+00	1.5366E+00	1.00145	8.56229E+01	4.07478E+00	2.75544E+00
28	64	0	2	Elastic	1.63723E-02	1.8475E-02	1.12840	8.48723E+01	3.57153E+00	1.27113E+00
28	64	0	102	n,gamma	1.51798E+00	1.5181E+00	1.00008	7.50614E-01	4.68201E-03	1.93600E-04
Cu63 Material number (MAT) = 2925										
29	63	0	1	Total	9.61240E+00	1.0272E+01	1.06866	1.01669E+02	3.66133E+00	2.90930E+00
29	63	0	2	Elastic	5.14332E+00	5.8032E+00	1.12830	9.67453E+01	2.87863E+00	1.47209E+00
29	63	0	102	n,gamma	4.46907E+00	4.4691E+00	1.00001	4.92380E+00	1.07542E-02	2.72000E-03
Cu65 Material number (MAT) = 2931										
29	65	0	1	Total	1.60409E+01	1.7824E+01	1.11115	1.52400E+02	3.74105E+00	2.95880E+00
29	65	0	2	Elastic	1.38923E+01	1.5675E+01	1.12833	1.50223E+02	3.04196E+00	1.40274E+00
29	65	0	102	n,gamma	2.14857E+00	2.1487E+00	1.00006	2.17675E+00	7.10316E-03	5.20000E-04
ZnNat Material number (MAT) = 3000										
30	0	0	1	Total	5.30477E+00	5.8472E+00	1.10226	9.96969E+01	3.80095E+00	2.95000E+00
30	0	0	2	Elastic	4.22608E+00	4.7684E+00	1.12834	9.72016E+01	3.15580E+00	1.69709E+00
30	0	0	102	n,gamma	1.07868E+00	1.0788E+00	1.00008	2.49534E+00	1.58843E-02	2.47908E-03
GaNat Material number (MAT) = 3100										
31	0	0	1	Total	9.84759E+00	1.0752E+01	1.09183	2.25850E+02	3.79782E+00	3.22675E+00
31	0	0	2	Elastic	7.04525E+00	7.9492E+00	1.12831	2.02159E+02	2.94362E+00	1.62299E+00
31	0	0	102	n,gamma	2.80234E+00	2.8027E+00	1.00014	2.36912E+01	1.52878E-02	7.61366E-04

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Ge70 Material number (MAT) = 3225										
32	70	0	1	Total	1.55255E+01	1.7141E+01	1.10402	1.42854E+02	4.14222E+00	3.08363E+00
32	70	0	2	Elastic	1.25909E+01	1.4206E+01	1.12827	1.40490E+02	3.51213E+00	1.60327E+00
32	70	0	102	n,gamma	2.93468E+00	2.9347E+00	1.00001	2.36469E+00	2.92649E-02	7.77746E-04
Ge72 Material number (MAT) = 3231										
32	72	0	1	Total	3.78897E+00	4.1496E+00	1.09517	6.46998E+01	3.91735E+00	3.60498E+00
32	72	0	2	Elastic	2.80891E+00	3.1694E+00	1.12835	6.36825E+01	3.21954E+00	2.34841E+00
32	72	0	102	n,gamma	9.80058E-01	9.8014E-01	1.00008	1.01738E+00	2.42643E-02	1.43499E-03
Ge73 Material number (MAT) = 3234										
32	73	0	1	Total	1.62206E+01	1.6379E+01	1.00979	4.52242E+02	3.96519E+00	3.64659E+00
32	73	0	2	Elastic	1.21878E+00	1.3751E+00	1.12825	3.86062E+02	3.05410E+00	2.39260E+00
32	73	0	102	n,gamma	1.50018E+01	1.5004E+01	1.00017	6.60804E+01	5.03285E-02	1.87751E-03
Ge74 Material number (MAT) = 3237										
32	74	0	1	Total	2.76533E+00	3.0711E+00	1.11058	6.87655E+01	4.01930E+00	3.68653E+00
32	74	0	2	Elastic	2.38230E+00	2.6881E+00	1.12835	6.82188E+01	3.28311E+00	2.43848E+00
32	74	0	102	n,gamma	3.83031E-01	3.8306E-01	1.00008	5.46656E-01	1.15395E-02	1.36313E-03
Ge76 Material number (MAT) = 3243										
32	76	0	1	Total	3.14378E+00	3.5291E+00	1.12256	5.43075E+01	4.12707E+00	3.76103E+00
32	76	0	2	Elastic	3.00177E+00	3.3871E+00	1.12835	5.29855E+01	3.39768E+00	2.54669E+00
32	76	0	102	n,gamma	1.42016E-01	1.4203E-01	1.00009	1.32205E+00	3.63506E-03	1.27755E-03
As75 Material number (MAT) = 3325										
33	75	0	1	Total	6.19007E+00	6.4337E+00	1.03936	1.83452E+02	4.07386E+00	3.72465E+00
33	75	0	2	Elastic	1.88932E+00	2.1317E+00	1.12827	1.23583E+02	2.83437E+00	2.44654E+00
33	75	0	102	n,gamma	4.30076E+00	4.3020E+00	1.00030	5.98696E+01	4.58849E-02	1.53567E-03
Se74 Material number (MAT) = 3425										
34	74	0	1	Total	5.16802E+01	5.1725E+01	1.00087	1.32449E+03	4.67238E+00	6.22160E+00
34	74	0	2	Elastic	1.01595E-02	1.1239E-02	1.10623	7.45220E+02	3.65728E+00	4.46065E+00
34	74	0	102	n,gamma	5.16700E+01	5.1714E+01	1.00085	5.79271E+02	2.94427E-02	1.64000E-03
Se76 Material number (MAT) = 3431										
34	76	0	1	Total	8.69217E+01	8.7175E+01	1.00291	1.33431E+02	4.13514E+00	3.76103E+00
34	76	0	2	Elastic	1.91716E+00	2.1632E+00	1.12834	8.91022E+01	3.36804E+00	2.49302E+00
34	76	0	102	n,gamma	8.50046E+01	8.5012E+01	1.00008	4.43292E+01	3.63221E-02	1.62106E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Se77 Material number (MAT) = 3434										
34	77	0	1	Total	4.44173E+01	4.4731E+01	1.00706	1.44467E+02	4.19627E+00	3.79555E+00
34	77	0	2	Elastic	2.41511E+00	2.7251E+00	1.12834	1.08561E+02	2.91797E+00	2.53592E+00
34	77	0	102	n,gamma	4.20022E+01	4.2006E+01	1.00009	3.59068E+01	4.10269E-02	2.05668E-03
Se78 Material number (MAT) = 3437										
34	78	0	1	Total	2.95099E+00	3.2784E+00	1.11097	6.84022E+01	4.26353E+00	3.82834E+00
34	78	0	2	Elastic	2.55095E+00	2.8784E+00	1.12835	6.38883E+01	3.47547E+00	2.60083E+00
34	78	0	102	n,gamma	4.00034E-01	4.0007E-01	1.00010	4.51390E+00	1.50389E-02	1.52102E-03
Se79 Material number (MAT) = 3440										
34	79	0	1	Total	5.63429E+01	5.7161E+01	1.01451	1.84367E+02	4.97843E+00	3.84087E+00
34	79	0	2	Elastic	6.34026E+00	7.1541E+00	1.12836	1.21775E+02	3.61980E+00	2.51380E+00
34	79	0	102	n,gamma	5.00027E+01	5.0007E+01	1.00008	6.25917E+01	3.09404E-02	1.00054E-03
Se80 Material number (MAT) = 3443										
34	80	0	1	Total	1.68048E+00	1.8179E+00	1.08178	1.13460E+02	4.41180E+00	3.88907E+00
34	80	0	2	Elastic	1.07038E+00	1.2078E+00	1.12834	1.12460E+02	3.64862E+00	2.69181E+00
34	80	0	102	n,gamma	6.10094E-01	6.1015E-01	1.00009	9.99959E-01	1.51085E-02	1.44796E-03
Se82 Material number (MAT) = 3449										
34	82	0	1	Total	2.96075E+00	3.3350E+00	1.12641	4.90963E+01	4.54070E+00	3.94387E+00
34	82	0	2	Elastic	2.91575E+00	3.2900E+00	1.12836	4.90294E+01	3.81935E+00	2.78872E+00
34	82	0	102	n,gamma	4.50054E-02	4.5009E-02	1.00008	6.68928E-02	4.61238E-03	1.31946E-03
Br79 Material number (MAT) = 3525										
35	79	0	1	Total	1.35422E+01	1.3860E+01	1.02346	2.51546E+02	4.33367E+00	3.85948E+00
35	79	0	2	Elastic	2.44024E+00	2.7531E+00	1.12822	1.15654E+02	3.00355E+00	2.62566E+00
35	79	0	102	n,gamma	1.11020E+01	1.1107E+01	1.00044	1.35892E+02	8.72050E-02	1.71879E-03
Br81 Material number (MAT) = 3531										
35	81	0	1	Total	6.94148E+00	7.4768E+00	1.07712	1.88035E+02	4.47359E+00	3.91720E+00
35	81	0	2	Elastic	4.16605E+00	4.7006E+00	1.12831	1.33797E+02	3.43829E+00	2.68579E+00
35	81	0	102	n,gamma	2.77543E+00	2.7762E+00	1.00028	5.42385E+01	5.88274E-02	1.63702E-03
Kr78 Material number (MAT) = 3625										
36	78	0	1	Total	1.36115E+01	1.4736E+01	1.08258	1.68006E+02	5.06586E+00	3.78310E+00
36	78	0	2	Elastic	8.76560E+00	9.8900E+00	1.12828	1.44659E+02	3.50942E+00	1.92484E+00
36	78	0	102	n,gamma	4.84589E+00	4.8455E+00	0.99992	2.33469E+01	7.15441E-02	1.76980E-04

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Kr80 Material number (MAT) = 3631										
36	80	0	1	Total	2.06722E+01	2.1818E+01	1.05541	3.13682E+02	5.23122E+00	3.65419E+00
36	80	0	2	Elastic	8.93541E+00	1.0081E+01	1.12817	2.45340E+02	3.80718E+00	1.93756E+00
36	80	0	102	n,gamma	1.17368E+01	1.1737E+01	1.00002	6.83428E+01	4.28588E-02	1.05000E-03
Kr82 Material number (MAT) = 3637										
36	82	0	1	Total	3.99393E+01	4.1184E+01	1.03118	3.85742E+02	5.01527E+00	3.79271E+00
36	82	0	2	Elastic	9.77016E+00	1.1020E+01	1.12791	2.02630E+02	3.89668E+00	2.05383E+00
36	82	0	102	n,gamma	3.01691E+01	3.0165E+01	0.99985	1.83112E+02	1.85064E-02	3.36350E-05
Kr83 Material number (MAT) = 3640										
36	83	0	1	Total	2.18040E+02	2.1812E+02	1.00036	3.35541E+02	5.18149E+00	3.50892E+00
36	83	0	2	Elastic	1.04114E+01	1.1709E+01	1.12461	1.43063E+02	3.68538E+00	2.08432E+00
36	83	0	102	n,gamma	2.07629E+02	2.0641E+02	0.99413	1.91529E+02	3.95260E-02	4.05710E-05
Kr84 Material number (MAT) = 3643										
36	84	0	1	Total	6.83275E+00	7.6992E+00	1.12680	1.06253E+02	5.23936E+00	3.85890E+00
36	84	0	2	Elastic	6.74987E+00	7.6163E+00	1.12836	1.02804E+02	4.16199E+00	2.11449E+00
36	84	0	102	n,gamma	8.28794E-02	8.2890E-02	1.00012	3.44938E+00	7.31126E-03	2.16010E-05
Kr85 Material number (MAT) = 3646										
36	85	0	1	Total	5.22442E+00	5.6946E+00	1.09000	7.92378E+01	4.75410E+00	4.01735E+00
36	85	0	2	Elastic	3.56433E+00	4.0344E+00	1.13188	7.75983E+01	4.34243E+00	2.85148E+00
36	85	0	102	n,gamma	1.66009E+00	1.6602E+00	1.00009	1.63957E+00	5.57011E-03	2.00541E-03
Kr86 Material number (MAT) = 3649										
36	86	0	1	Total	6.10826E+00	6.8844E+00	1.12707	1.01103E+02	5.54010E+00	3.92709E+00
36	86	0	2	Elastic	6.04680E+00	6.8230E+00	1.12836	1.00967E+02	4.67990E+00	2.17052E+00
36	86	0	102	n,gamma	6.14550E-02	6.1461E-02	1.00009	1.35935E-01	1.29007E-03	5.31390E-06
Rb85 Material number (MAT) = 3725										
37	85	0	1	Total	6.81098E+00	7.6241E+00	1.11938	1.17798E+02	4.77167E+00	4.01735E+00
37	85	0	2	Elastic	6.33461E+00	7.1477E+00	1.12835	1.11582E+02	3.84407E+00	2.82582E+00
37	85	0	102	n,gamma	4.76367E-01	4.7641E-01	1.00009	6.21645E+00	2.80973E-02	7.34121E-04
Rb86 Material number (MAT) = 3728										
37	86	0	1	Total	8.49809E+00	8.9732E+00	1.05591	1.01727E+02	4.82488E+00	4.04013E+00
37	86	0	2	Elastic	3.59786E+00	4.0731E+00	1.13209	7.78671E+01	3.74457E+00	2.84695E+00
37	86	0	102	n,gamma	4.90023E+00	4.9001E+00	0.99998	2.38597E+01	1.08396E-02	2.15744E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Rb87 Material number (MAT) = 3731										
37	87	0	1	Total	2.47265E+00	2.7746E+00	1.12213	7.24863E+01	4.90481E+00	4.06227E+00
37	87	0	2	Elastic	2.35267E+00	2.6546E+00	1.12835	7.04147E+01	3.99496E+00	2.88535E+00
37	87	0	102	n,gamma	1.19986E-01	1.2000E-01	1.00012	2.07159E+00	2.85936E-03	7.61706E-05
Sr84 Material number (MAT) = 3825										
38	84	0	1	Total	4.74352E+00	5.2482E+00	1.10640	1.24201E+02	5.06105E+00	6.26200E+00
38	84	0	2	Elastic	3.93115E+00	4.4357E+00	1.12835	1.14014E+02	4.17949E+00	4.66472E+00
38	84	0	102	n,gamma	8.12364E-01	8.1253E-01	1.00020	1.01874E+01	6.81650E-02	2.02000E-03
Sr86 Material number (MAT) = 3831										
38	86	0	1	Total	5.07843E+00	5.3659E+00	1.05661	1.17812E+02	4.83108E+00	4.04014E+00
38	86	0	2	Elastic	2.23813E+00	2.5254E+00	1.12834	1.12720E+02	4.32311E+00	2.82810E+00
38	86	0	102	n,gamma	2.84031E+00	2.8406E+00	1.00010	5.09180E+00	1.79770E-02	1.94772E-03
Sr87 Material number (MAT) = 3834										
38	87	0	1	Total	1.92541E+01	1.9762E+01	1.02639	1.86227E+02	4.90265E+00	4.06226E+00
38	87	0	2	Elastic	3.24767E+00	3.6634E+00	1.12801	6.79046E+01	4.36697E+00	2.88269E+00
38	87	0	102	n,gamma	1.60064E+01	1.6099E+01	1.00577	1.18323E+02	1.94961E-02	2.38500E-03
Sr88 Material number (MAT) = 3837										
38	88	0	1	Total	3.64256E+00	4.1094E+00	1.12816	4.39967E+01	4.83222E+00	4.08396E+00
38	88	0	2	Elastic	3.63676E+00	4.1036E+00	1.12836	4.39909E+01	4.51330E+00	2.93271E+00
38	88	0	102	n,gamma	5.80035E-03	5.8014E-03	1.00018	5.77078E-03	1.27519E-03	1.59597E-03
Sr89 Material number (MAT) = 3840										
38	89	0	1	Total	4.08469E+00	4.5552E+00	1.11518	7.04071E+01	5.03453E+00	4.10539E+00
38	89	0	2	Elastic	3.66467E+00	4.1351E+00	1.12837	6.99166E+01	4.74202E+00	2.94827E+00
38	89	0	102	n,gamma	4.20022E-01	4.2006E-01	1.00009	4.90430E-01	8.18003E-03	2.15352E-03
Sr90 Material number (MAT) = 3843										
38	90	0	1	Total	4.59513E+00	5.0838E+00	1.10634	5.81653E+01	5.07831E+00	4.12661E+00
38	90	0	2	Elastic	3.69508E+00	4.1836E+00	1.13222	5.76857E+01	4.40167E+00	2.95582E+00
38	90	0	102	n,gamma	9.00048E-01	9.0013E-01	1.00009	4.79639E-01	5.93824E-03	1.50632E-03
Y89 Material number (MAT) = 3925										
39	89	0	1	Total	9.01668E+00	9.8675E+00	1.09436	9.47716E+01	5.63274E+00	3.85998E+00
39	89	0	2	Elastic	7.73100E+00	8.5818E+00	1.11004	9.38752E+01	4.91614E+00	2.24700E+00
39	89	0	102	n,gamma	1.28567E+00	1.2857E+00	1.00004	8.96361E-01	4.75973E-03	6.94300E-04

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Y90 Material number (MAT) = 3928										
39	90	0	1	Total	7.20554E+00	7.6990E+00	1.06848	8.80869E+01	5.07928E+00	4.12662E+00
39	90	0	2	Elastic	3.70529E+00	4.1985E+00	1.13311	8.34470E+01	3.96092E+00	2.93481E+00
39	90	0	102	n,gamma	3.50025E+00	3.5005E+00	1.00007	4.63987E+00	1.76394E-02	1.91883E-03
Y91 Material number (MAT) = 3931										
39	91	0	1	Total	5.12284E+00	5.6114E+00	1.09538	7.73291E+01	5.14824E+00	4.14782E+00
39	91	0	2	Elastic	3.72275E+00	4.2112E+00	1.13121	7.57049E+01	4.14330E+00	2.83622E+00
39	91	0	102	n,gamma	1.40008E+00	1.4002E+00	1.00008	1.62420E+00	6.76075E-03	1.66366E-03
Zr90 Material number (MAT) = 4025										
40	90	0	1	Total	5.40635E+00	6.0989E+00	1.12810	7.73391E+01	5.69766E+00	4.33625E+00
40	90	0	2	Elastic	5.39523E+00	6.0878E+00	1.12836	7.71985E+01	5.21566E+00	2.67319E+00
40	90	0	102	n,gamma	1.11253E-02	1.1127E-02	1.00011	1.40589E-01	7.89509E-03	1.02954E-03
Zr91 Material number (MAT) = 4028										
40	91	0	1	Total	1.18920E+01	1.3258E+01	1.11487	1.50820E+02	5.71259E+00	4.33698E+00
40	91	0	2	Elastic	1.06445E+01	1.2010E+01	1.12832	1.43933E+02	5.02254E+00	2.63130E+00
40	91	0	102	n,gamma	1.24742E+00	1.2475E+00	1.00006	6.88742E+00	1.17236E-02	1.00200E-03
Zr92 Material number (MAT) = 4031										
40	92	0	1	Total	7.37834E+00	8.2960E+00	1.12437	1.13511E+02	5.72480E+00	4.33699E+00
40	92	0	2	Elastic	7.14916E+00	8.0668E+00	1.12835	1.12890E+02	4.72827E+00	2.59941E+00
40	92	0	102	n,gamma	2.29179E-01	2.2920E-01	1.00007	6.20378E-01	1.94893E-02	1.02002E-03
Zr93 Material number (MAT) = 4034										
40	93	0	1	Total	7.68837E+00	8.4472E+00	1.09870	1.81330E+02	5.62169E+00	4.12371E+00
40	93	0	2	Elastic	5.90796E+00	6.6662E+00	1.12834	1.48286E+02	4.54803E+00	2.38573E+00
40	93	0	102	n,gamma	1.78042E+00	1.7810E+00	1.00031	3.30444E+01	1.45868E-02	1.00828E-03
Zr94 Material number (MAT) = 4037										
40	94	0	1	Total	6.23483E+00	7.0288E+00	1.12734	8.93571E+01	5.72670E+00	4.33816E+00
40	94	0	2	Elastic	6.18502E+00	6.9789E+00	1.12836	8.90970E+01	4.72700E+00	2.63208E+00
40	94	0	102	n,gamma	4.98101E-02	4.9814E-02	1.00007	2.60024E-01	1.24508E-02	1.00239E-03
Zr95 Material number (MAT) = 4040										
40	95	0	1	Total	5.64378E+00	6.3393E+00	1.12324	1.32331E+02	5.72158E+00	4.20277E+00
40	95	0	2	Elastic	5.41881E+00	6.1143E+00	1.12835	1.26576E+02	4.94432E+00	2.43376E+00
40	95	0	102	n,gamma	2.24968E-01	2.2501E-01	1.00021	5.75530E+00	1.35643E-02	2.00725E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Zr96 Material number (MAT) = 4043										
40	96	0	1	Total	6.18606E+00	6.9772E+00	1.12789	1.04096E+02	5.76283E+00	4.33869E+00
40	96	0	2	Elastic	6.16325E+00	6.9544E+00	1.12836	9.82623E+01	5.12162E+00	2.60807E+00
40	96	0	102	n,gamma	2.28027E-02	2.2812E-02	1.00040	5.83338E+00	7.40447E-03	1.00053E-03
Nb93 Material number (MAT) = 4125										
41	93	0	1	Total	7.51993E+00	8.2629E+00	1.09880	9.52893E+01	5.79044E+00	3.96600E+00
41	93	0	2	Elastic	6.36471E+00	7.1059E+00	1.11646	8.55409E+01	4.53184E+00	2.10583E+00
41	93	0	102	n,gamma	1.15521E+00	1.1570E+00	1.00154	9.74808E+00	2.78318E-02	5.60000E-04
Mo92 Material number (MAT) = 4225										
42	92	0	1	Total	5.59643E+00	6.3121E+00	1.12789	7.98511E+01	5.71073E+00	4.33699E+00
42	92	0	2	Elastic	5.57568E+00	6.2914E+00	1.12836	7.89971E+01	5.07891E+00	2.55732E+00
42	92	0	102	n,gamma	2.07532E-02	2.0756E-02	1.00013	8.53945E-01	2.79719E-02	1.04482E-03
Mo94 Material number (MAT) = 4231										
42	94	0	1	Total	6.04329E+00	6.8173E+00	1.12809	8.84912E+01	5.71225E+00	4.33817E+00
42	94	0	2	Elastic	6.03018E+00	6.8042E+00	1.12836	8.72545E+01	4.69313E+00	2.55345E+00
42	94	0	102	n,gamma	1.31106E-02	1.3112E-02	1.00014	1.23665E+00	3.56464E-02	1.00786E-03
Mo95 Material number (MAT) = 4234										
42	95	0	1	Total	1.95880E+01	2.0297E+01	1.03621	3.33799E+02	5.71415E+00	4.33831E+00
42	95	0	2	Elastic	5.59520E+00	6.3109E+00	1.12791	2.15513E+02	4.26185E+00	2.55867E+00
42	95	0	102	n,gamma	1.39928E+01	1.3986E+01	0.99954	1.18286E+02	4.64306E-02	1.00236E-03
Mo96 Material number (MAT) = 4237										
42	96	0	1	Total	5.34717E+00	5.9571E+00	1.11407	1.62086E+02	5.71358E+00	4.33869E+00
42	96	0	2	Elastic	4.75176E+00	5.3615E+00	1.12833	1.44689E+02	4.56813E+00	2.55933E+00
42	96	0	102	n,gamma	5.95415E-01	5.9558E-01	1.00027	1.73965E+01	2.77209E-02	1.00631E-03
Mo97 Material number (MAT) = 4240										
42	97	0	1	Total	7.98703E+00	8.7401E+00	1.09429	1.05395E+02	5.71742E+00	4.33955E+00
42	97	0	2	Elastic	5.88707E+00	6.6423E+00	1.12829	8.85227E+01	4.17655E+00	2.55295E+00
42	97	0	102	n,gamma	2.09996E+00	2.0978E+00	0.99896	1.68719E+01	4.26466E-02	1.00104E-03
Mo98 Material number (MAT) = 4243										
42	98	0	1	Total	5.80092E+00	6.5289E+00	1.12549	1.01769E+02	6.02346E+00	4.08498E+00
42	98	0	2	Elastic	5.67094E+00	6.3988E+00	1.12836	9.53498E+01	4.83548E+00	2.29912E+00
42	98	0	102	n,gamma	1.29982E-01	1.3006E-01	1.00057	6.41889E+00	2.68391E-02	1.01157E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Mo99 Material number (MAT) = 4246										
42	99	0	1	Total	5.63626E+00	6.1436E+00	1.09002	9.38677E+01	5.42463E+00	4.32513E+00
42	99	0	2	Elastic	3.93617E+00	4.4434E+00	1.12886	6.69698E+01	3.93562E+00	3.06332E+00
42	99	0	102	n,gamma	1.70009E+00	1.7003E+00	1.00010	2.68978E+01	6.92146E-02	2.04503E-03
Mo100 Material number (MAT) = 4249										
42	100	0	1	Total	5.52611E+00	6.2099E+00	1.12373	1.00737E+02	5.99684E+00	4.13653E+00
42	100	0	2	Elastic	5.32708E+00	6.0108E+00	1.12835	9.69442E+01	4.57473E+00	2.24560E+00
42	100	0	102	n,gamma	1.99033E-01	1.9904E-01	1.00002	3.79247E+00	2.12310E-02	1.00826E-03
Tc99 Material number (MAT) = 4331										
43	99	0	1	Total	2.30834E+01	2.3610E+01	1.02282	3.85904E+02	5.63800E+00	4.53741E+00
43	99	0	2	Elastic	3.43955E+00	3.8787E+00	1.12766	7.47979E+01	4.23861E+00	3.05985E+00
43	99	0	102	n,gamma	1.96438E+01	1.9731E+01	1.00446	3.11106E+02	8.90931E-02	1.00681E-03
Ru96 Material number (MAT) = 4425										
44	96	0	1	Total	6.32605E+00	7.2041E+00	1.13880	1.23608E+02	5.91981E+00	6.87140E+00
44	96	0	2	Elastic	6.07747E+00	6.9552E+00	1.14443	1.11384E+02	4.77957E+00	4.89204E+00
44	96	0	102	n,gamma	2.48579E-01	2.4887E-01	1.00119	1.22235E+01	1.42345E-01	1.40000E-03
Ru98 Material number (MAT) = 4431										
44	98	0	1	Total	1.41705E+01	1.5760E+01	1.11213	1.23135E+02	5.95817E+00	6.58240E+00
44	98	0	2	Elastic	6.21484E+00	7.7887E+00	1.25324	1.11345E+02	4.87675E+00	4.90642E+00
44	98	0	102	n,gamma	7.95567E+00	7.9708E+00	1.00191	1.17899E+01	2.61153E-02	2.38000E-03
Ru99 Material number (MAT) = 4434										
44	99	0	1	Total	1.20743E+01	1.2727E+01	1.05404	2.50017E+02	5.42771E+00	4.32515E+00
44	99	0	2	Elastic	4.97308E+00	5.6105E+00	1.12818	8.77014E+01	4.00316E+00	3.03468E+00
44	99	0	102	n,gamma	7.10120E+00	7.1162E+00	1.00212	1.62312E+02	6.16684E-02	2.51010E-03
Ru100 Material number (MAT) = 4437										
44	100	0	1	Total	9.73377E+00	1.0239E+01	1.05192	7.92706E+01	5.44609E+00	4.34826E+00
44	100	0	2	Elastic	3.93350E+00	4.4384E+00	1.12836	7.13675E+01	4.54764E+00	3.09336E+00
44	100	0	102	n,gamma	5.80027E+00	5.8008E+00	1.00008	7.90305E+00	5.70873E-02	2.53303E-03
Ru101 Material number (MAT) = 4440										
44	101	0	1	Total	8.49275E+00	9.1485E+00	1.07721	2.00397E+02	5.93124E+00	4.20215E+00
44	101	0	2	Elastic	5.07873E+00	5.7302E+00	1.12827	8.99090E+01	4.05992E+00	2.18137E+00
44	101	0	102	n,gamma	3.41402E+00	3.4183E+00	1.00126	1.10488E+02	6.63467E-02	1.00912E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Ru102 Material number (MAT) = 4443										
44	102	0	1	Total	5.26882E+00	5.7785E+00	1.09673	6.60897E+01	5.48970E+00	4.39430E+00
44	102	0	2	Elastic	3.96882E+00	4.4783E+00	1.12837	6.31432E+01	4.51523E+00	3.25766E+00
44	102	0	102	n,gamma	1.29999E+00	1.3002E+00	1.00015	2.94653E+00	5.93596E-02	1.57894E-03
Ru103 Material number (MAT) = 4446										
44	103	0	1	Total	7.18635E+01	7.2552E+01	1.00958	6.88980E+02	5.82441E+00	4.35454E+00
44	103	0	2	Elastic	5.04634E+00	5.6829E+00	1.12614	9.42671E+01	3.66106E+00	2.45973E+00
44	103	0	102	n,gamma	6.68172E+01	6.6869E+01	1.00078	5.93472E+02	1.44137E-01	2.11244E-03
Ru104 Material number (MAT) = 4449										
44	104	0	1	Total	8.42120E+00	9.4640E+00	1.12383	1.06926E+02	5.50886E+00	4.43950E+00
44	104	0	2	Elastic	8.12401E+00	9.1667E+00	1.12835	1.01285E+02	4.62464E+00	3.17949E+00
44	104	0	102	n,gamma	2.97193E-01	2.9722E-01	1.00008	5.64110E+00	3.18960E-02	9.08218E-04
Ru105 Material number (MAT) = 4452										
44	105	0	1	Total	4.28857E+00	4.8134E+00	1.12238	7.16564E+01	5.50363E+00	4.46131E+00
44	105	0	2	Elastic	4.08856E+00	4.6134E+00	1.12837	6.46016E+01	3.89516E+00	3.09198E+00
44	105	0	102	n,gamma	2.00010E-01	2.0003E-01	1.00009	7.05349E+00	4.06879E-02	2.14445E-03
Ru106 Material number (MAT) = 4455										
44	106	0	1	Total	4.26051E+00	4.7887E+00	1.12397	6.45303E+01	5.51829E+00	4.48256E+00
44	106	0	2	Elastic	4.11450E+00	4.6427E+00	1.12837	6.25049E+01	4.44806E+00	3.12164E+00
44	106	0	102	n,gamma	1.46008E-01	1.4602E-01	1.00008	2.02546E+00	1.12372E-02	1.63026E-03
Rh103 Material number (MAT) = 4525										
45	103	0	1	Total	1.49380E+02	1.5318E+02	1.02546	1.12547E+03	5.98721E+00	4.25314E+00
45	103	0	2	Elastic	4.37102E+00	4.9090E+00	1.12308	8.94866E+01	4.10687E+00	2.92480E+00
45	103	0	102	n,gamma	1.45009E+02	1.4827E+02	1.02252	1.03598E+03	8.51683E-02	8.40820E-04
Rh105 Material number (MAT) = 4531										
45	105	0	1	Total	1.53366E+04	1.2490E+04	0.81438	1.57670E+04	5.48787E+00	4.46154E+00
45	105	0	2	Elastic	4.08856E+00	4.6134E+00	1.12837	6.99958E+01	4.44426E+00	3.14492E+00
45	105	0	102	n,gamma	1.53325E+04	1.2485E+04	0.81430	1.56970E+04	1.19121E-01	1.88710E-03
Pd102 Material number (MAT) = 4625										
46	102	0	1	Total	9.07262E+00	9.7971E+00	1.07986	1.18768E+02	6.08609E+00	6.89320E+00
46	102	0	2	Elastic	5.70842E+00	6.4404E+00	1.12822	1.05816E+02	5.01819E+00	5.16641E+00
46	102	0	102	n,gamma	3.36421E+00	3.3568E+00	0.99778	1.29514E+01	4.72525E-02	3.19000E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Pd104 Material number (MAT) = 4631										
46	104	0	1	Total	4.77051E+00	5.3424E+00	1.11988	1.26718E+02	5.81089E+00	4.32123E+00
46	104	0	2	Elastic	4.45544E+00	5.0273E+00	1.12835	1.12894E+02	4.63806E+00	2.22316E+00
46	104	0	102	n,gamma	3.15072E-01	3.1514E-01	1.00021	1.38244E+01	4.61002E-02	1.09600E-03
Pd105 Material number (MAT) = 4634										
46	105	0	1	Total	2.70682E+01	2.7636E+01	1.02096	1.75303E+02	5.80885E+00	4.40354E+00
46	105	0	2	Elastic	5.24517E+00	5.9148E+00	1.12767	8.22122E+01	3.88776E+00	2.48346E+00
46	105	0	102	n,gamma	2.18230E+01	2.1721E+01	0.99531	9.30906E+01	1.35502E-01	2.25811E-03
Pd106 Material number (MAT) = 4637										
46	106	0	1	Total	4.88901E+00	5.4778E+00	1.12044	1.06983E+02	5.81802E+00	4.34007E+00
46	106	0	2	Elastic	4.58863E+00	5.1775E+00	1.12834	1.01051E+02	4.58625E+00	2.25202E+00
46	106	0	102	n,gamma	3.00373E-01	3.0029E-01	0.99973	5.93167E+00	5.45736E-02	9.73200E-04
Pd107 Material number (MAT) = 4640										
46	107	0	1	Total	6.25638E+00	6.8293E+00	1.09158	1.95011E+02	5.83503E+00	4.35283E+00
46	107	0	2	Elastic	4.45134E+00	5.0224E+00	1.12829	8.98944E+01	4.02913E+00	2.26513E+00
46	107	0	102	n,gamma	1.80504E+00	1.8069E+00	1.00105	1.05116E+02	1.20892E-01	9.65400E-04
Pd108 Material number (MAT) = 4643										
46	108	0	1	Total	1.07859E+01	1.1227E+01	1.04088	6.30654E+02	5.82882E+00	4.36247E+00
46	108	0	2	Elastic	3.43068E+00	3.8683E+00	1.12756	4.57677E+02	4.52085E+00	2.28101E+00
46	108	0	102	n,gamma	7.35520E+00	7.3585E+00	1.00044	1.72976E+02	4.29883E-02	8.78500E-04
Pd110 Material number (MAT) = 4649										
46	110	0	1	Total	5.29556E+00	5.9462E+00	1.12287	7.13605E+01	5.82453E+00	4.39558E+00
46	110	0	2	Elastic	5.06855E+00	5.7192E+00	1.12837	6.90648E+01	4.46216E+00	2.30965E+00
46	110	0	102	n,gamma	2.27012E-01	2.2703E-01	1.00009	2.29570E+00	2.17851E-02	9.03700E-04
Ag107 Material number (MAT) = 4725										
47	107	0	1	Total	4.51755E+01	4.6066E+01	1.01970	2.10245E+02	6.02733E+00	4.27000E+00
47	107	0	2	Elastic	7.56925E+00	8.5324E+00	1.12724	1.03354E+02	4.36253E+00	2.70995E+00
47	107	0	102	n,gamma	3.76063E+01	3.7533E+01	0.99806	1.06890E+02	1.01491E-01	8.75242E-07
Ag109 Material number (MAT) = 4731										
47	109	0	1	Total	9.30330E+01	9.3777E+01	1.00800	1.68975E+03	5.67778E+00	4.32351E+00
47	109	0	2	Elastic	2.30900E+00	2.5961E+00	1.12435	2.16406E+02	3.90365E+00	2.53099E+00
47	109	0	102	n,gamma	9.07240E+01	9.1181E+01	1.00503	1.47335E+03	1.33557E-01	1.01500E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Ag111 Material number (MAT) = 4737										
47	111	0	1	Total	7.24814E+00	7.7963E+00	1.07563	1.69335E+02	5.52479E+00	4.57340E+00
47	111	0	2	Elastic	4.24798E+00	4.7959E+00	1.12899	6.58122E+01	4.21264E+00	3.32757E+00
47	111	0	102	n,gamma	3.00015E+00	3.0004E+00	1.00009	1.03522E+02	5.20863E-02	1.93553E-03
Cd106 Material number (MAT) = 4825										
48	106	0	1	Total	4.72696E+00	5.1900E+00	1.09795	9.63089E+01	5.80333E+00	4.34100E+00
48	106	0	2	Elastic	3.60882E+00	4.0719E+00	1.12833	8.24869E+01	4.38042E+00	2.49714E+00
48	106	0	102	n,gamma	1.11814E+00	1.1180E+00	0.99989	1.38220E+01	1.67943E-01	6.00000E-04
Cd108 Material number (MAT) = 4831										
48	108	0	1	Total	5.16186E+00	5.6830E+00	1.10095	1.31738E+02	5.85031E+00	4.38095E+00
48	108	0	2	Elastic	4.06090E+00	4.5820E+00	1.12831	1.15087E+02	4.41835E+00	2.53600E+00
48	108	0	102	n,gamma	1.10095E+00	1.1010E+00	1.00004	1.66514E+01	1.25045E-01	6.00000E-04
Cd110 Material number (MAT) = 4837										
48	110	0	1	Total	2.93256E+01	3.1670E+01	1.07995	2.22956E+02	5.86968E+00	4.42000E+00
48	110	0	2	Elastic	1.83148E+01	2.0660E+01	1.12808	1.81687E+02	4.46957E+00	2.57600E+00
48	110	0	102	n,gamma	1.10108E+01	1.1010E+01	0.99989	4.12684E+01	7.39074E-02	6.00000E-04
Cd111 Material number (MAT) = 4840										
48	111	0	1	Total	2.86731E+01	2.9122E+01	1.01565	1.20719E+02	5.89174E+00	4.44000E+00
48	111	0	2	Elastic	4.64853E+00	5.2376E+00	1.12672	7.11595E+01	3.98443E+00	2.61796E+00
48	111	0	102	n,gamma	2.40245E+01	2.3884E+01	0.99416	4.95593E+01	1.02944E-01	6.00000E-05
Cd112 Material number (MAT) = 4843										
48	112	0	1	Total	8.53523E+00	9.3482E+00	1.09525	9.53100E+01	5.90856E+00	4.45803E+00
48	112	0	2	Elastic	6.34027E+00	7.1534E+00	1.12825	8.21701E+01	4.45949E+00	2.61500E+00
48	112	0	102	n,gamma	2.19496E+00	2.1948E+00	0.99991	1.31399E+01	7.40948E-02	6.00000E-05
Cd113 Material number (MAT) = 4846										
48	113	0	1	Total	2.07429E+04	2.7762E+04	1.33836	4.93110E+02	5.93140E+00	4.47681E+00
48	113	0	2	Elastic	2.44311E+01	5.6895E+01	2.32878	1.01435E+02	4.14480E+00	2.52500E+00
48	113	0	102	n,gamma	2.07185E+04	2.7705E+04	1.33719	3.91674E+02	5.78972E-02	6.00000E-04
Cd114 Material number (MAT) = 4849										
48	114	0	1	Total	4.81643E+00	5.3915E+00	1.11939	1.17579E+02	5.95120E+00	4.49500E+00
48	114	0	2	Elastic	4.48041E+00	5.0554E+00	1.12834	1.04603E+02	4.46665E+00	2.65403E+00
48	114	0	102	n,gamma	3.36015E-01	3.3605E-01	1.00011	1.29759E+01	3.29184E-02	1.00000E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310⁻² eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Cd115m Material number (MAT) = 4853										
48	115	1	1	Total	3.53858E+01	3.6017E+01	1.01785	2.66652E+02	5.52380E+00	4.62292E+00
48	115	1	2	Elastic	4.38404E+00	5.0134E+00	1.14357	7.06770E+01	4.58465E+00	3.10882E+00
48	115	1	102	n,gamma	3.10018E+01	3.1004E+01	1.00007	1.95975E+02	4.66856E-02	2.39426E-03
Cd116 Material number (MAT) = 4855										
48	116	0	1	Total	5.90633E+00	6.6549E+00	1.12673	7.82681E+01	5.98618E+00	4.53099E+00
48	116	0	2	Elastic	5.83136E+00	6.5799E+00	1.12836	7.66901E+01	4.50301E+00	2.69300E+00
48	116	0	102	n,gamma	7.49758E-02	7.4981E-02	1.00007	1.57801E+00	1.72497E-02	6.00000E-05
In113 Material number (MAT) = 4925										
49	113	0	1	Total	1.57671E+01	1.6389E+01	1.03946	4.08678E+02	5.53799E+00	4.63958E+00
49	113	0	2	Elastic	3.69542E+00	4.1664E+00	1.12744	8.44363E+01	4.45305E+00	2.51064E+00
49	113	0	102	n,gamma	1.20716E+01	1.2223E+01	1.01252	3.24241E+02	2.00790E-01	1.00091E-03
In115 Material number (MAT) = 4931										
49	115	0	1	Total	2.03623E+02	2.0779E+02	1.02048	3.40518E+03	5.53660E+00	4.63944E+00
49	115	0	2	Elastic	2.53644E+00	2.8372E+00	1.11858	1.96589E+02	4.44838E+00	2.94602E+00
49	115	0	102	n,gamma	2.01086E+02	2.0496E+02	1.01924	3.20860E+03	1.62625E-01	1.02122E-03
Sn112 Material number (MAT) = 5025										
50	112	0	1	Total	5.61784E+00	6.2088E+00	1.10520	1.13358E+02	5.53525E+00	4.64000E+00
50	112	0	2	Elastic	4.60881E+00	5.2002E+00	1.12832	8.32764E+01	4.78361E+00	2.93034E+00
50	112	0	102	n,gamma	1.00904E+00	1.0086E+00	0.99960	3.00814E+01	1.08943E-01	1.11473E-03
Sn114 Material number (MAT) = 5031										
50	114	0	1	Total	4.69115E+00	5.2773E+00	1.12494	8.78615E+01	5.53379E+00	4.63944E+00
50	114	0	2	Elastic	4.56588E+00	5.1520E+00	1.12836	8.15256E+01	4.79180E+00	2.91373E+00
50	114	0	102	n,gamma	1.25277E-01	1.2530E-01	1.00017	6.33590E+00	8.93433E-02	1.02469E-03
Sn115 Material number (MAT) = 5034										
50	115	0	1	Total	3.82548E+01	3.9251E+01	1.02604	8.93127E+01	5.53423E+00	4.63944E+00
50	115	0	2	Elastic	8.40633E+00	9.4741E+00	1.12702	7.58966E+01	4.35811E+00	2.91763E+00
50	115	0	102	n,gamma	2.98484E+01	2.9777E+01	0.99760	1.34160E+01	8.05943E-02	1.00314E-03
Sn116 Material number (MAT) = 5037										
50	116	0	1	Total	4.45808E+00	5.0139E+00	1.12469	9.56914E+01	5.53972E+00	4.63939E+00
50	116	0	2	Elastic	4.33037E+00	4.8862E+00	1.12836	8.35192E+01	4.80574E+00	2.92097E+00
50	116	0	102	n,gamma	1.27707E-01	1.2774E-01	1.00029	1.21722E+01	5.60176E-02	1.01422E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Sn117 Material number (MAT) = 5040										
50	117	0	1	Total	7.29924E+00	7.9561E+00	1.09000	9.04608E+01	5.53766E+00	4.63909E+00
50	117	0	2	Elastic	5.12603E+00	5.7833E+00	1.12822	7.21274E+01	4.22318E+00	2.92474E+00
50	117	0	102	n,gamma	2.17320E+00	2.1728E+00	0.99982	1.83334E+01	6.83894E-02	1.00321E-03
Sn118 Material number (MAT) = 5043										
50	118	0	1	Total	4.45762E+00	5.0018E+00	1.12208	7.95273E+01	5.53329E+00	4.63893E+00
50	118	0	2	Elastic	4.23978E+00	4.7840E+00	1.12836	7.43119E+01	4.79969E+00	2.92815E+00
50	118	0	102	n,gamma	2.17837E-01	2.1783E-01	0.99996	5.21537E+00	3.18645E-02	1.00205E-03
Sn119 Material number (MAT) = 5046										
50	119	0	1	Total	6.87146E+00	7.4684E+00	1.08688	7.30694E+01	5.53332E+00	4.63873E+00
50	119	0	2	Elastic	4.69546E+00	5.2976E+00	1.12824	6.72569E+01	4.13317E+00	2.93127E+00
50	119	0	102	n,gamma	2.17600E+00	2.1708E+00	0.99762	5.17310E+00	3.45029E-02	1.00069E-03
Sn120 Material number (MAT) = 5049										
50	120	0	1	Total	5.50151E+00	6.1898E+00	1.12511	6.56312E+01	5.53070E+00	4.63889E+00
50	120	0	2	Elastic	5.36229E+00	6.0506E+00	1.12836	6.44849E+01	4.78974E+00	2.92807E+00
50	120	0	102	n,gamma	1.39216E-01	1.3922E-01	1.00005	1.14615E+00	1.78652E-02	1.00109E-03
Sn122 Material number (MAT) = 5055										
50	122	0	1	Total	3.99468E+00	4.4835E+00	1.12236	5.80584E+01	5.53298E+00	4.63851E+00
50	122	0	2	Elastic	3.81100E+00	4.3002E+00	1.12836	5.71724E+01	4.81766E+00	2.92983E+00
50	122	0	102	n,gamma	1.83675E-01	1.8328E-01	0.99783	8.86001E-01	1.03650E-02	1.00110E-03
Sn123 Material number (MAT) = 5058										
50	123	0	1	Total	4.57956E+00	5.1812E+00	1.13138	7.06784E+01	5.59459E+00	4.66526E+00
50	123	0	2	Elastic	4.54655E+00	5.1482E+00	1.13234	6.81549E+01	4.95837E+00	3.53017E+00
50	123	0	102	n,gamma	3.30017E-02	3.3005E-02	1.00009	2.52302E+00	3.90116E-02	2.38348E-03
Sn124 Material number (MAT) = 5061										
50	124	0	1	Total	4.55325E+00	5.1202E+00	1.12452	6.79399E+01	5.53131E+00	4.63822E+00
50	124	0	2	Elastic	4.41779E+00	4.9849E+00	1.12836	6.00924E+01	4.78133E+00	2.92906E+00
50	124	0	102	n,gamma	1.35462E-01	1.3535E-01	0.99919	7.84751E+00	1.10650E-02	1.00032E-03
Sn125 Material number (MAT) = 5064										
50	125	0	1	Total	5.13948E+00	5.7287E+00	1.11465	8.68949E+01	5.60999E+00	4.66839E+00
50	125	0	2	Elastic	4.58946E+00	5.1786E+00	1.12838	7.20999E+01	5.07160E+00	3.73015E+00
50	125	0	102	n,gamma	5.50029E-01	5.5008E-01	1.00009	1.47944E+01	1.11080E-02	2.26886E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Sn126 Material number (MAT) = 5067										
50	126	0	1	Total	4.91342E+00	5.5057E+00	1.12054	5.95273E+01	5.61641E+00	4.66933E+00
50	126	0	2	Elastic	4.61341E+00	5.2056E+00	1.12837	5.93678E+01	5.13999E+00	3.15917E+00
50	126	0	102	n,gamma	3.00016E-01	3.0004E-01	1.00009	1.59504E-01	5.62180E-03	1.80711E-03
Sb121 Material number (MAT) = 5125										
51	121	0	1	Total	9.59736E+00	1.0079E+01	1.05020	2.82319E+02	5.77499E+00	4.70995E+00
51	121	0	2	Elastic	3.60527E+00	4.0666E+00	1.12796	6.84484E+01	4.33772E+00	2.37643E+00
51	121	0	102	n,gamma	5.99208E+00	6.0126E+00	1.00342	2.13632E+02	8.31367E-02	1.00408E-03
Sb123 Material number (MAT) = 5131										
51	123	0	1	Total	8.10159E+00	8.6038E+00	1.06199	2.18320E+02	5.79217E+00	4.74356E+00
51	123	0	2	Elastic	3.91456E+00	4.4160E+00	1.12811	9.62575E+01	4.53452E+00	2.53013E+00
51	123	0	102	n,gamma	4.18703E+00	4.1877E+00	1.00017	1.22062E+02	6.16921E-02	1.00514E-03
Sb124 Material number (MAT) = 5134										
51	124	0	1	Total	1.10752E+01	1.1682E+01	1.05478	8.76107E+01	5.60127E+00	4.66868E+00
51	124	0	2	Elastic	4.57471E+00	5.1810E+00	1.13253	6.13477E+01	3.87661E+00	3.12116E+00
51	124	0	102	n,gamma	6.50046E+00	6.5009E+00	1.00006	2.59072E+01	5.97920E-02	2.50262E-03
Sb125 Material number (MAT) = 5137										
51	125	0	1	Total	5.58951E+00	6.1790E+00	1.10547	9.95723E+01	5.62630E+00	4.66840E+00
51	125	0	2	Elastic	4.58946E+00	5.1789E+00	1.12843	8.15686E+01	4.62430E+00	3.15011E+00
51	125	0	102	n,gamma	1.00005E+00	1.0001E+00	1.00009	1.80037E+01	7.79643E-02	2.02152E-03
Sb126 Material number (MAT) = 5140										
51	126	0	1	Total	1.04290E+01	1.1043E+01	1.05886	1.29384E+02	5.61868E+00	4.66934E+00
51	126	0	2	Elastic	4.62865E+00	5.2421E+00	1.13253	8.38541E+01	4.56910E+00	3.23393E+00
51	126	0	102	n,gamma	5.80036E+00	5.8008E+00	1.00007	4.54178E+01	3.79563E-02	2.37123E-03
Te120 Material number (MAT) = 5225										
52	120	0	1	Total	7.17894E+00	8.1931E+00	1.14127	1.12958E+02	6.37121E+00	7.50140E+00
52	120	0	2	Elastic	4.89247E+00	5.9063E+00	1.20721	9.36278E+01	5.07104E+00	5.69992E+00
52	120	0	102	n,gamma	2.28647E+00	2.2869E+00	1.00017	1.93300E+01	1.41144E-01	1.40000E-03
Te122 Material number (MAT) = 5231										
52	122	0	1	Total	5.87115E+00	6.2662E+00	1.06729	1.88271E+02	5.58233E+00	4.66292E+00
52	122	0	2	Elastic	3.07049E+00	3.4644E+00	1.12829	1.14738E+02	4.62361E+00	3.17080E+00
52	122	0	102	n,gamma	2.80066E+00	2.8018E+00	1.00041	7.35332E+01	1.22913E-01	2.26532E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Te123 Material number (MAT) = 5234										
52	123	0	1	Total	4.10532E+02	4.1539E+02	1.01182	6.19636E+03	5.59029E+00	4.66527E+00
52	123	0	2	Elastic	5.99740E-01	6.9742E-01	1.16287	6.53920E+02	4.20677E+00	3.12760E+00
52	123	0	102	n,gamma	4.09932E+02	4.1469E+02	1.01160	5.54244E+03	8.67724E-02	2.76583E-03
Te124 Material number (MAT) = 5237										
52	124	0	1	Total	1.06575E+01	1.1153E+01	1.04651	7.81472E+01	5.60558E+00	4.66700E+00
52	124	0	2	Elastic	3.85724E+00	4.3524E+00	1.12837	7.02246E+01	4.65156E+00	3.24195E+00
52	124	0	102	n,gamma	6.80024E+00	6.8008E+00	1.00009	7.92263E+00	1.09874E-01	2.16307E-03
Te125 Material number (MAT) = 5240										
52	125	0	1	Total	5.54763E+00	6.0609E+00	1.09253	1.01389E+02	5.61491E+00	4.66839E+00
52	125	0	2	Elastic	3.99746E+00	4.5106E+00	1.12836	7.82013E+01	4.19189E+00	3.16669E+00
52	125	0	102	n,gamma	1.55017E+00	1.5504E+00	1.00014	2.28998E+01	4.29748E-02	2.65325E-03
Te126 Material number (MAT) = 5243										
52	126	0	1	Total	5.16885E+00	5.6996E+00	1.10268	9.07004E+01	5.63053E+00	4.66933E+00
52	126	0	2	Elastic	4.13377E+00	4.6644E+00	1.12836	8.05122E+01	4.71895E+00	3.17154E+00
52	126	0	102	n,gamma	1.03508E+00	1.0352E+00	1.00012	1.01881E+01	3.93964E-02	2.07427E-03
Te127m Material number (MAT) = 5247										
52	127	1	1	Total	1.40388E+01	1.4635E+01	1.04247	1.36929E+02	5.62543E+00	4.67026E+00
52	127	1	2	Elastic	4.63836E+00	5.2338E+00	1.12837	9.47862E+01	4.74669E+00	3.15247E+00
52	127	1	102	n,gamma	9.40049E+00	9.4013E+00	1.00009	4.21430E+01	6.60872E-02	2.52099E-03
Te128 Material number (MAT) = 5249										
52	128	0	1	Total	4.08662E+00	4.5836E+00	1.12162	5.52818E+01	5.88387E+00	4.82283E+00
52	128	0	2	Elastic	3.87168E+00	4.3687E+00	1.12837	5.35761E+01	4.91418E+00	2.86709E+00
52	128	0	102	n,gamma	2.14935E-01	2.1495E-01	1.00009	1.70571E+00	9.28548E-03	7.79135E-06
Te129m Material number (MAT) = 5253										
52	129	1	1	Total	5.78632E+00	6.3883E+00	1.10404	9.57032E+01	5.65938E+00	4.67058E+00
52	129	1	2	Elastic	4.68626E+00	5.2882E+00	1.12844	8.97323E+01	4.71376E+00	3.14208E+00
52	129	1	102	n,gamma	1.10006E+00	1.1002E+00	1.00009	5.97081E+00	1.33866E-02	2.42782E-03
Te130 Material number (MAT) = 5255										
52	130	0	1	Total	4.93684E+00	5.5334E+00	1.12084	5.89906E+01	5.69065E+00	4.67069E+00
52	130	0	2	Elastic	4.64682E+00	5.2433E+00	1.12837	5.86543E+01	4.93472E+00	3.16123E+00
52	130	0	102	n,gamma	2.90016E-01	2.9004E-01	1.00009	3.36327E-01	4.47565E-03	1.94705E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Te132 Material number (MAT) = 5261										
52	132	0	1	Total	4.76013E+00	5.3710E+00	1.12834	5.78655E+01	5.70687E+00	4.67071E+00
52	132	0	2	Elastic	4.75813E+00	5.3690E+00	1.12839	5.78646E+01	4.97472E+00	3.21020E+00
52	132	0	102	n,gamma	2.00010E-03	2.0009E-03	1.00039	8.99461E-04	6.35525E-04	1.89776E-03
I127 Material number (MAT) = 5325										
53	127	0	1	Total	9.75894E+00	1.0212E+01	1.04644	2.87051E+02	5.88403E+00	4.92197E+00
53	127	0	2	Elastic	3.56578E+00	4.0216E+00	1.12785	1.43150E+02	4.27184E+00	2.89702E+00
53	127	0	102	n,gamma	6.19316E+00	6.1905E+00	0.99957	1.43812E+02	7.95175E-02	1.43400E-03
I129 Material number (MAT) = 5331										
53	129	0	1	Total	4.24629E+01	4.3470E+01	1.02371	1.12289E+02	5.89549E+00	4.98868E+00
53	129	0	2	Elastic	8.57026E+00	9.6546E+00	1.12653	8.17542E+01	4.36901E+00	2.91708E+00
53	129	0	102	n,gamma	3.38927E+01	3.3815E+01	0.99771	3.03026E+01	5.49888E-02	1.01067E-03
I130 Material number (MAT) = 5334										
53	130	0	1	Total	2.27323E+01	2.3369E+01	1.02803	2.99718E+02	5.68955E+00	4.67073E+00
53	130	0	2	Elastic	4.73128E+00	5.3670E+00	1.13436	1.19786E+02	4.14826E+00	3.14204E+00
53	130	0	102	n,gamma	1.80010E+01	1.8002E+01	1.00008	1.79893E+02	3.37018E-02	2.50684E-03
I131 Material number (MAT) = 5337										
53	131	0	1	Total	5.43421E+00	6.0422E+00	1.11189	1.02967E+02	5.71211E+00	4.67076E+00
53	131	0	2	Elastic	4.73417E+00	5.3421E+00	1.12842	9.50738E+01	4.54987E+00	3.15737E+00
53	131	0	102	n,gamma	7.00036E-01	7.0010E-01	1.00009	7.89287E+00	1.32308E-02	2.09838E-03
I135 Material number (MAT) = 5349										
53	135	0	1	Total	4.84999E+00	5.4700E+00	1.12784	6.30751E+01	5.77422E+00	4.67085E+00
53	135	0	2	Elastic	4.82999E+00	5.4500E+00	1.12837	6.30631E+01	5.29594E+00	3.25966E+00
53	135	0	102	n,gamma	2.00010E-02	2.0003E-02	1.00010	1.19900E-02	4.67325E-04	1.62515E-03
Xe124 Material number (MAT) = 5425										
54	124	0	1	Total	1.68834E+02	1.7000E+02	1.00693	3.81205E+03	5.87847E+00	4.80510E+00
54	124	0	2	Elastic	4.31722E+00	4.8658E+00	1.12708	7.60666E+02	4.39901E+00	3.09581E+00
54	124	0	102	n,gamma	1.64517E+02	1.6514E+02	1.00378	3.05138E+03	1.06681E-01	0.00000E+00
Xe126 Material number (MAT) = 5431										
54	126	0	1	Total	6.52809E+00	7.0831E+00	1.08502	1.85554E+02	5.90148E+00	4.84851E+00
54	126	0	2	Elastic	4.32804E+00	4.8831E+00	1.12825	1.41766E+02	4.51157E+00	2.84298E+00
54	126	0	102	n,gamma	2.20005E+00	2.2000E+00	0.99996	4.37885E+01	7.25706E-02	0.00000E+00

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Xe128 Material number (MAT) = 5437										
54	128	0	1	Total	9.67687E+00	1.0218E+01	1.05588	1.29162E+02	5.93297E+00	4.88760E+00
54	128	0	2	Elastic	4.31691E+00	4.8699E+00	1.12809	1.18194E+02	4.53954E+00	2.65503E+00
54	128	0	102	n,gamma	5.35996E+00	5.3478E+00	0.99773	1.09684E+01	4.92637E-02	0.00000E+00
Xe129 Material number (MAT) = 5440										
54	129	0	1	Total	2.23174E+01	2.2881E+01	1.02525	3.90143E+02	5.94831E+00	4.90550E+00
54	129	0	2	Elastic	4.31666E+00	4.8672E+00	1.12754	1.34606E+02	4.13292E+00	2.92495E+00
54	129	0	102	n,gamma	1.80007E+01	1.8014E+01	1.00072	2.55097E+02	6.53721E-02	0.00000E+00
Xe130 Material number (MAT) = 5443										
54	130	0	1	Total	1.04977E+01	1.1033E+01	1.05101	8.50531E+01	5.97222E+00	4.92220E+00
54	130	0	2	Elastic	4.29770E+00	4.8480E+00	1.12804	8.07581E+01	4.62474E+00	2.95296E+00
54	130	0	102	n,gamma	6.19999E+00	6.1852E+00	0.99761	4.29500E+00	4.03908E-02	0.00000E+00
Xe131 Material number (MAT) = 5446										
54	131	0	1	Total	1.09414E+02	1.1267E+02	1.02978	2.95828E+03	5.99035E+00	4.93780E+00
54	131	0	2	Elastic	2.44342E+01	2.7571E+01	1.12838	2.06792E+03	4.17217E+00	2.94901E+00
54	131	0	102	n,gamma	8.49803E+01	8.5102E+01	1.00143	8.90337E+02	2.57551E-02	1.00000E-08
Xe132 Material number (MAT) = 5449										
54	132	0	1	Total	4.21483E+00	4.6982E+00	1.11467	8.98310E+01	6.02123E+00	4.95230E+00
54	132	0	2	Elastic	3.76621E+00	4.2496E+00	1.12834	8.83454E+01	4.76618E+00	2.98437E+00
54	132	0	102	n,gamma	4.48623E-01	4.4860E-01	0.99996	1.48565E+00	2.27180E-02	1.00000E-08
Xe133 Material number (MAT) = 5452										
54	133	0	1	Total	1.94985E+02	1.9648E+02	1.00765	4.54185E+02	5.74862E+00	4.67081E+00
54	133	0	2	Elastic	4.97176E+00	6.4672E+00	1.30079	9.77643E+01	4.61016E+00	3.16809E+00
54	133	0	102	n,gamma	1.90014E+02	1.9001E+02	0.99998	3.56421E+02	8.99346E-03	2.53310E-03
Xe134 Material number (MAT) = 5455										
54	134	0	1	Total	4.61202E+00	5.1718E+00	1.12137	8.57783E+01	6.07879E+00	4.99190E+00
54	134	0	2	Elastic	4.36264E+00	4.9226E+00	1.12836	8.52103E+01	4.98957E+00	2.98013E+00
54	134	0	102	n,gamma	2.49379E-01	2.4915E-01	0.99908	5.67915E-01	1.24242E-02	1.00000E-08
Xe135 Material number (MAT) = 5458										
54	135	0	1	Total	2.95227E+06	3.5019E+06	1.18618	1.28627E+04	5.81802E+00	4.67198E+00
54	135	0	2	Elastic	2.99591E+05	4.3322E+05	1.44602	5.20932E+03	5.03697E+00	3.45553E+00
54	135	0	102	n,gamma	2.65268E+06	3.0687E+06	1.15683	7.65336E+03	7.62450E-04	2.38371E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Xe136 Material number (MAT) = 5461										
54	136	0	1	Total	4.47651E+00	5.0306E+00	1.12379	1.06754E+02	6.13432E+00	4.99943E+00
54	136	0	2	Elastic	4.31650E+00	4.8706E+00	1.12837	1.06635E+02	5.30097E+00	2.97600E+00
54	136	0	102	n,gamma	1.60008E-01	1.6002E-01	1.00009	1.19128E-01	1.05435E-03	0.00000E+00
Cs133 Material number (MAT) = 5525										
55	133	0	1	Total	3.29692E+01	3.3550E+01	1.01763	5.34539E+02	5.97737E+00	4.85762E+00
55	133	0	2	Elastic	3.97061E+00	4.4759E+00	1.12726	1.13936E+02	4.15278E+00	3.08290E+00
55	133	0	102	n,gamma	2.89986E+01	2.9074E+01	1.00261	4.20573E+02	6.32292E-02	1.49030E-03
Cs134 Material number (MAT) = 5528										
55	134	0	1	Total	1.62093E+02	1.6468E+02	1.01594	2.19195E+02	5.77455E+00	4.67108E+00
55	134	0	2	Elastic	2.24273E+01	2.5247E+01	1.12573	1.39801E+02	3.98963E+00	3.17172E+00
55	134	0	102	n,gamma	1.39665E+02	1.3943E+02	0.99831	7.86594E+01	3.31041E-02	2.69999E-03
Cs135 Material number (MAT) = 5531										
55	135	0	1	Total	1.40840E+01	1.4726E+01	1.04557	1.88932E+02	6.01418E+00	4.93429E+00
55	135	0	2	Elastic	5.07883E+00	5.7288E+00	1.12798	1.27899E+02	4.53804E+00	2.89840E+00
55	135	0	102	n,gamma	9.00512E+00	8.9969E+00	0.99909	6.10335E+01	2.77092E-02	9.18088E-04
Cs136 Material number (MAT) = 5534										
55	136	0	1	Total	5.21552E+00	5.7183E+00	1.09640	2.18496E+02	5.82560E+00	4.67201E+00
55	136	0	2	Elastic	3.91528E+00	4.4177E+00	1.12832	1.80112E+02	4.76305E+00	3.19354E+00
55	136	0	102	n,gamma	1.30024E+00	1.3006E+00	1.00026	3.83839E+01	2.77000E-02	2.54790E-03
Cs137 Material number (MAT) = 5537										
55	137	0	1	Total	2.65854E+00	2.9817E+00	1.12154	8.97960E+01	6.06792E+00	4.97955E+00
55	137	0	2	Elastic	2.51711E+00	2.8402E+00	1.12836	8.91970E+01	5.07384E+00	2.92169E+00
55	137	0	102	n,gamma	1.41426E-01	1.4144E-01	1.00010	5.98893E-01	6.82206E-03	8.95179E-04
Ba130 Material number (MAT) = 5625										
56	130	0	1	Total	1.44306E+01	1.4833E+01	1.02791	4.82907E+02	6.23967E+00	5.07875E+00
56	130	0	2	Elastic	3.13787E+00	3.5390E+00	1.12783	3.07798E+02	4.64674E+00	2.67829E+00
56	130	0	102	n,gamma	1.12928E+01	1.1294E+01	1.00014	1.75110E+02	5.24719E-01	1.64037E-02
Ba132 Material number (MAT) = 5631										
56	132	0	1	Total	1.03130E+01	1.0739E+01	1.04129	9.66226E+01	6.23589E+00	5.07830E+00
56	132	0	2	Elastic	3.31262E+00	3.7379E+00	1.12837	6.59965E+01	4.86925E+00	2.74511E+00
56	132	0	102	n,gamma	7.00035E+00	7.0009E+00	1.00008	3.06260E+01	2.72832E-01	3.81269E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310⁻² eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Ba134 Material number (MAT) = 5637										
56	134	0	1	Total	5.44122E+00	5.8823E+00	1.08106	1.15139E+02	6.25189E+00	5.07827E+00
56	134	0	2	Elastic	3.43935E+00	3.8805E+00	1.12826	9.09310E+01	5.06655E+00	2.77496E+00
56	134	0	102	n,gamma	2.00187E+00	2.0018E+00	0.99996	2.42085E+01	1.37606E-01	1.50556E-03
Ba135 Material number (MAT) = 5640										
56	135	0	1	Total	7.60048E+00	7.8324E+00	1.03052	2.88028E+02	6.24116E+00	5.07800E+00
56	135	0	2	Elastic	1.80440E+00	2.0353E+00	1.12796	1.57265E+02	4.97094E+00	2.90940E+00
56	135	0	102	n,gamma	5.79608E+00	5.7971E+00	1.00018	1.30763E+02	9.70469E-02	1.00183E-03
Ba136 Material number (MAT) = 5643										
56	136	0	1	Total	2.97400E+00	3.3044E+00	1.11108	5.94875E+01	6.25022E+00	5.07791E+00
56	136	0	2	Elastic	2.57390E+00	2.9043E+00	1.12835	5.75807E+01	5.29881E+00	2.83966E+00
56	136	0	102	n,gamma	4.00103E-01	4.0010E-01	1.00000	1.90678E+00	3.67296E-02	1.01614E-03
Ba137 Material number (MAT) = 5646										
56	137	0	1	Total	9.01764E+00	9.5118E+00	1.05480	7.26394E+01	6.24616E+00	5.07797E+00
56	137	0	2	Elastic	3.89582E+00	4.3944E+00	1.12799	6.79667E+01	5.38113E+00	2.90925E+00
56	137	0	102	n,gamma	5.12182E+00	5.1174E+00	0.99913	4.67273E+00	1.48290E-02	1.00034E-03
Ba138 Material number (MAT) = 5649										
56	138	0	1	Total	5.92926E+00	6.6443E+00	1.12060	6.03236E+01	6.23514E+00	5.07772E+00
56	138	0	2	Elastic	5.57018E+00	6.2852E+00	1.12837	6.00709E+01	5.57725E+00	2.88892E+00
56	138	0	102	n,gamma	3.59085E-01	3.5911E-01	1.00008	2.52769E-01	2.96979E-03	1.35041E-03
Ba140 Material number (MAT) = 5655										
56	140	0	1	Total	3.49398E+00	3.7378E+00	1.06978	4.01296E+02	6.14789E+00	5.03374E+00
56	140	0	2	Elastic	1.89952E+00	2.1429E+00	1.12811	3.86981E+02	5.29087E+00	2.93709E+00
56	140	0	102	n,gamma	1.59446E+00	1.5949E+00	1.00029	1.43150E+01	6.55100E-03	9.70612E-04
La138 Material number (MAT) = 5725										
57	138	0	1	Total	7.01111E+01	7.1865E+01	1.02501	4.91572E+02	6.17531E+00	5.05506E+00
57	138	0	2	Elastic	1.30238E+01	1.4671E+01	1.12646	1.27361E+02	4.86555E+00	2.91359E+00
57	138	0	102	n,gamma	5.70873E+01	5.7194E+01	1.00187	3.64208E+02	3.43810E-02	1.00082E-03
La139 Material number (MAT) = 5728										
57	139	0	1	Total	1.94811E+01	2.0825E+01	1.06900	1.01572E+02	6.07192E+00	5.04607E+00
57	139	0	2	Elastic	1.05499E+01	1.1898E+01	1.12773	8.96649E+01	4.84007E+00	2.96603E+00
57	139	0	102	n,gamma	8.93116E+00	8.9278E+00	0.99962	1.19070E+01	5.50402E-03	7.08900E-04

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
La140 Material number (MAT) = 5731										
57	140	0	1	Total	7.65319E+00	8.2927E+00	1.08356	2.90018E+02	5.93003E+00	4.67802E+00
57	140	0	2	Elastic	4.95305E+00	5.5923E+00	1.12906	2.24743E+02	4.16593E+00	3.00324E+00
57	140	0	102	n,gamma	2.70014E+00	2.7004E+00	1.00009	6.49364E+01	3.36968E-02	2.33125E-03
Ce140 Material number (MAT) = 5837										
58	140	0	1	Total	3.84995E+00	4.2701E+00	1.10914	4.88390E+01	5.93243E+00	4.67803E+00
58	140	0	2	Elastic	3.27547E+00	3.6958E+00	1.12834	4.85578E+01	5.40217E+00	3.23789E+00
58	140	0	102	n,gamma	5.74480E-01	5.7430E-01	0.99969	2.81180E-01	1.47622E-02	2.14415E-03
Ce141 Material number (MAT) = 5840										
58	141	0	1	Total	3.61496E+01	3.6589E+01	1.01216	3.87704E+02	6.16685E+00	5.05129E+00
58	141	0	2	Elastic	3.41217E+00	3.8502E+00	1.12837	2.22913E+02	5.11541E+00	2.93771E+00
58	141	0	102	n,gamma	3.27374E+01	3.2739E+01	1.00005	1.64792E+02	7.76393E-02	1.46686E-03
Ce142 Material number (MAT) = 5843										
58	142	0	1	Total	4.68388E+00	5.1696E+00	1.10370	2.00215E+02	6.19283E+00	5.06961E+00
58	142	0	2	Elastic	3.78340E+00	4.2691E+00	1.12837	1.99286E+02	4.96974E+00	2.94353E+00
58	142	0	102	n,gamma	9.00478E-01	9.0051E-01	1.00004	9.29356E-01	1.73624E-02	1.06093E-03
Ce143 Material number (MAT) = 5846										
58	143	0	1	Total	1.10341E+01	1.1708E+01	1.06104	2.74417E+02	6.00589E+00	4.68668E+00
58	143	0	2	Elastic	5.03362E+00	5.7068E+00	1.13373	2.32943E+02	5.07373E+00	3.25185E+00
58	143	0	102	n,gamma	6.00044E+00	6.0008E+00	1.00006	4.14737E+01	1.28232E-02	2.40644E-03
Ce144 Material number (MAT) = 5849										
58	144	0	1	Total	4.53048E+00	4.9672E+00	1.09640	2.75018E+02	6.28980E+00	5.10198E+00
58	144	0	2	Elastic	3.40188E+00	3.8386E+00	1.12837	2.72218E+02	4.45985E+00	2.95631E+00
58	144	0	102	n,gamma	1.12860E+00	1.1286E+00	1.00004	2.79985E+00	7.88066E-03	9.45601E-04
Pr141 Material number (MAT) = 5925										
59	141	0	1	Total	1.40775E+01	1.4402E+01	1.02303	2.33590E+02	6.12110E+00	5.06028E+00
59	141	0	2	Elastic	2.59651E+00	2.9270E+00	1.12730	2.15720E+02	4.71805E+00	2.96974E+00
59	141	0	102	n,gamma	1.14810E+01	1.1475E+01	0.99945	1.78704E+01	1.55823E-02	2.72700E-03
Pr142 Material number (MAT) = 5928										
59	142	0	1	Total	2.50166E+01	2.5690E+01	1.02691	4.98193E+02	5.98036E+00	4.68344E+00
59	142	0	2	Elastic	5.01559E+00	5.6871E+00	1.13389	3.53474E+02	4.80970E+00	3.24620E+00
59	142	0	102	n,gamma	2.00010E+01	2.0003E+01	1.00008	1.44719E+02	2.90951E-02	2.56655E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310⁻² eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Pr143 Material number (MAT) = 5931										
59	143	0	1	Total	9.40966E+01	9.4986E+01	1.00945	5.91102E+02	6.02021E+00	4.68671E+00
59	143	0	2	Elastic	5.09191E+00	5.9736E+00	1.17316	4.01818E+02	4.82398E+00	3.60727E+00
59	143	0	102	n,gamma	8.90047E+01	8.9012E+01	1.00008	1.89176E+02	5.66181E-02	2.24308E-03
Nd142 Material number (MAT) = 6025										
60	142	0	1	Total	2.71803E+01	2.8244E+01	1.03913	8.65931E+01	5.98588E+00	4.68341E+00
60	142	0	2	Elastic	8.54614E+00	9.6338E+00	1.12727	8.05210E+01	5.38994E+00	3.29890E+00
60	142	0	102	n,gamma	1.86342E+01	1.8610E+01	0.99871	6.07206E+00	2.42927E-02	2.41537E-03
Nd143 Material number (MAT) = 6028										
60	143	0	1	Total	4.22763E+02	4.3193E+02	1.02169	7.40002E+02	6.33611E+00	4.94779E+00
60	143	0	2	Elastic	8.68811E+01	9.7315E+01	1.12010	6.07547E+02	5.17029E+00	2.77617E+00
60	143	0	102	n,gamma	3.35882E+02	3.3462E+02	0.99624	1.32455E+02	7.74730E-02	1.07236E-03
Nd144 Material number (MAT) = 6031										
60	144	0	1	Total	3.84288E+00	3.8755E+00	1.00849	6.49126E+02	6.30621E+00	5.07266E+00
60	144	0	2	Elastic	2.60327E-01	2.9332E-01	1.12672	6.45050E+02	5.05693E+00	2.97704E+00
60	144	0	102	n,gamma	3.58255E+00	3.5822E+00	0.99990	4.07651E+00	2.60515E-02	9.14000E-04
Nd145 Material number (MAT) = 6034										
60	145	0	1	Total	6.01759E+01	6.2481E+01	1.03831	7.97458E+02	6.34155E+00	5.06884E+00
60	145	0	2	Elastic	1.83244E+01	2.0636E+01	1.12613	5.66264E+02	4.58118E+00	2.97818E+00
60	145	0	102	n,gamma	4.18516E+01	4.1845E+01	0.99985	2.31145E+02	7.40049E-02	1.00200E-03
Nd146 Material number (MAT) = 6037										
60	146	0	1	Total	5.78142E+00	6.3427E+00	1.09709	1.68050E+02	6.36382E+00	5.07162E+00
60	146	0	2	Elastic	4.38140E+00	4.9432E+00	1.12823	1.65385E+02	4.85385E+00	2.98000E+00
60	146	0	102	n,gamma	1.40001E+00	1.3995E+00	0.99964	2.66537E+00	2.92474E-02	8.94300E-04
Nd147 Material number (MAT) = 6040										
60	147	0	1	Total	5.45909E+02	5.5646E+02	1.01933	1.13667E+03	6.13671E+00	4.70334E+00
60	147	0	2	Elastic	1.06030E+02	1.1864E+02	1.11893	5.31134E+02	4.35479E+00	3.27945E+00
60	147	0	102	n,gamma	4.39879E+02	4.3782E+02	0.99532	6.05469E+02	7.09763E-02	2.59486E-03
Nd148 Material number (MAT) = 6043										
60	148	0	1	Total	3.16520E+00	3.2508E+00	1.02704	5.77910E+02	6.45495E+00	5.24066E+00
60	148	0	2	Elastic	6.65144E-01	7.5021E-01	1.12790	5.58208E+02	4.83561E+00	3.08600E+00
60	148	0	102	n,gamma	2.50006E+00	2.5006E+00	1.00021	1.97021E+01	3.57801E-02	8.73800E-04

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Nd150 Material number (MAT) = 6049										
60	150	0	1	Total	5.94137E+00	6.5510E+00	1.10261	1.84988E+02	6.81283E+00	5.25000E+00
60	150	0	2	Elastic	4.75470E+00	5.3646E+00	1.12828	1.69367E+02	4.65826E+00	2.73116E+00
60	150	0	102	n,gamma	1.18666E+00	1.1864E+00	0.99975	1.56208E+01	3.15393E-02	8.76430E-04
Pm147 Material number (MAT) = 6149										
61	147	0	1	Total	1.82518E+02	1.8196E+02	0.99696	3.30712E+03	6.47304E+00	5.18759E+00
61	147	0	2	Elastic	1.96465E+00	2.2150E+00	1.12743	1.16462E+03	4.52118E+00	3.04512E+00
61	147	0	102	n,gamma	1.80553E+02	1.7975E+02	0.99554	2.14249E+03	1.87965E-01	9.57000E-04
Pm148 Material number (MAT) = 6152										
61	148	0	1	Total	2.00524E+03	2.0062E+03	1.00048	4.00113E+04	6.15937E+00	4.70471E+00
61	148	0	2	Elastic	5.13445E+00	5.7937E+00	1.12840	1.43944E+02	3.67985E+00	3.29043E+00
61	148	0	102	n,gamma	2.00010E+03	2.0004E+03	1.00015	3.98673E+04	6.26248E-01	2.64453E-03
Pm148m Material number (MAT) = 6153										
61	148	1	1	Total	1.07007E+04	1.5851E+04	1.48129	3.80838E+03	6.15937E+00	4.70471E+00
61	148	1	2	Elastic	3.57039E+01	7.1283E+01	1.99651	1.56744E+02	3.67985E+00	3.29043E+00
61	148	1	102	n,gamma	1.06650E+04	1.5780E+04	1.47956	3.65163E+03	6.26248E-01	2.64453E-03
Pm149 Material number (MAT) = 6155										
61	149	0	1	Total	1.40546E+03	1.4074E+03	1.00138	9.97638E+02	6.19372E+00	4.71340E+00
61	149	0	2	Elastic	5.37642E+00	7.1881E+00	1.33698	2.00098E+02	3.96377E+00	3.32631E+00
61	149	0	102	n,gamma	1.40008E+03	1.4002E+03	1.00009	7.97539E+02	6.11344E-01	2.26024E-03
Pm151 Material number (MAT) = 6161										
61	151	0	1	Total	7.05516E+02	7.0791E+02	1.00340	2.14237E+03	6.25387E+00	4.72383E+00
61	151	0	2	Elastic	5.48155E+00	7.8557E+00	1.43311	1.38804E+02	4.60641E+00	3.28616E+00
61	151	0	102	n,gamma	7.00034E+02	7.0006E+02	1.00003	2.00357E+03	1.91260E-03	2.32180E-03
Sm144 Material number (MAT) = 6225										
62	144	0	1	Total	5.46042E+00	6.2667E+00	1.14766	2.45574E+02	6.75316E+00	7.86210E+00
62	144	0	2	Elastic	4.76461E+00	5.5712E+00	1.16930	2.26742E+02	5.86659E+00	5.97188E+00
62	144	0	102	n,gamma	6.95806E-01	6.9546E-01	0.99950	1.88322E+01	2.11666E-01	2.07000E-03
Sm147 Material number (MAT) = 6234										
62	147	0	1	Total	9.71987E+01	1.0233E+02	1.05279	1.64073E+03	6.92950E+00	5.04924E+00
62	147	0	2	Elastic	4.00193E+01	4.5092E+01	1.12674	8.46448E+02	4.76760E+00	2.96792E+00
62	147	0	102	n,gamma	5.71794E+01	5.7238E+01	1.00103	7.94287E+02	2.07933E-01	1.19600E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Sm148 Material number (MAT) = 6237										
62	148	0	1	Total	7.83882E+00	8.5023E+00	1.08465	3.70889E+02	6.16990E+00	4.70833E+00
62	148	0	2	Elastic	5.13868E+00	5.8020E+00	1.12907	3.44035E+02	4.91911E+00	3.36633E+00
62	148	0	102	n,gamma	2.70014E+00	2.7004E+00	1.00009	2.68534E+01	1.94541E-01	2.42119E-03
Sm149 Material number (MAT) = 6240										
62	149	0	1	Total	4.19248E+04	7.2120E+04	1.72021	4.02578E+03	7.07452E+00	5.20065E+00
62	149	0	2	Elastic	2.05337E+02	4.9250E+02	2.39848	5.39030E+02	4.47377E+00	3.06700E+00
62	149	0	102	n,gamma	4.17194E+04	7.1627E+04	1.71688	3.48636E+03	1.90802E-01	1.65100E-03
Sm150 Material number (MAT) = 6243										
62	150	0	1	Total	1.24585E+02	1.2701E+02	1.01945	8.39948E+02	6.22970E+00	4.71857E+00
62	150	0	2	Elastic	2.12549E+01	2.3896E+01	1.12426	5.01158E+02	4.66429E+00	3.35846E+00
62	150	0	102	n,gamma	1.03330E+02	1.0311E+02	0.99789	3.38791E+02	1.42748E-01	2.32902E-03
Sm151 Material number (MAT) = 6246										
62	151	0	1	Total	1.52205E+04	1.4110E+04	0.92706	3.76561E+03	6.77854E+00	5.00596E+00
62	151	0	2	Elastic	3.92481E+01	3.6549E+01	0.93124	2.97499E+02	3.81900E+00	2.78061E+00
62	151	0	102	n,gamma	1.51812E+04	1.4074E+04	0.92705	3.46468E+03	1.67575E-01	1.62863E-03
Sm152 Material number (MAT) = 6249										
62	152	0	1	Total	2.08914E+02	2.1002E+02	1.00530	9.04810E+03	7.03547E+00	5.01464E+00
62	152	0	2	Elastic	2.94542E+00	3.3848E+00	1.14916	6.07043E+03	4.69392E+00	2.95200E+00
62	152	0	102	n,gamma	2.05968E+02	2.0664E+02	1.00324	2.97767E+03	9.10309E-02	9.29600E-04
Sm153 Material number (MAT) = 6252										
62	153	0	1	Total	3.35475E+02	3.3719E+02	1.00510	3.11311E+03	6.31118E+00	4.73419E+00
62	153	0	2	Elastic	5.44500E+00	7.1125E+00	1.30624	2.47806E+02	4.17742E+00	3.28834E+00
62	153	0	102	n,gamma	3.30030E+02	3.3008E+02	1.00014	2.86271E+03	5.93318E-04	2.78190E-03
Sm154 Material number (MAT) = 6255										
62	154	0	1	Total	1.94360E+01	2.0847E+01	1.07258	2.68942E+02	6.33884E+00	4.73910E+00
62	154	0	2	Elastic	1.10359E+01	1.2449E+01	1.12806	2.35668E+02	4.73288E+00	3.34107E+00
62	154	0	102	n,gamma	8.40009E+00	8.3975E+00	0.99969	3.32628E+01	6.00020E-02	2.31318E-03
Eu151 Material number (MAT) = 6325										
63	151	0	1	Total	9.16774E+03	8.2562E+03	0.90057	3.60429E+03	7.03358E+00	5.12993E+00
63	151	0	2	Elastic	3.39374E+00	3.1801E+00	0.93705	2.51531E+02	4.44538E+00	2.84738E+00
63	151	0	102	n,gamma	9.16434E+03	8.2530E+03	0.90056	3.35187E+03	4.61397E-01	1.40000E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Eu152 Material number (MAT) = 6328										
63	152	0	1	Total	1.27770E+04	1.1822E+04	0.92522	2.67834E+03	6.54300E+00	5.06421E+00
63	152	0	2	Elastic	2.90856E+01	2.9353E+01	1.00918	5.39144E+02	4.23978E+00	3.29497E+00
63	152	0	102	n,gamma	1.27480E+04	1.1792E+04	0.92502	2.13918E+03	5.26546E-01	1.00142E-03
Eu153 Material number (MAT) = 6331										
63	153	0	1	Total	3.22931E+02	3.1997E+02	0.99084	1.60768E+03	6.87128E+00	5.20000E+00
63	153	0	2	Elastic	1.03622E+01	1.1545E+01	1.11413	1.96563E+02	4.57662E+00	2.86515E+00
63	153	0	102	n,gamma	3.12569E+02	3.0843E+02	0.98675	1.41110E+03	2.63567E-01	1.00041E-03
Eu154 Material number (MAT) = 6334										
63	154	0	1	Total	1.85123E+03	2.2077E+03	1.19256	1.52638E+03	6.57655E+00	4.96817E+00
63	154	0	2	Elastic	6.64625E+00	7.4198E+00	1.11639	1.68408E+02	3.75932E+00	2.61035E+00
63	154	0	102	n,gamma	1.84458E+03	2.2003E+03	1.19284	1.35795E+03	2.21463E-01	2.60000E-03
Eu155 Material number (MAT) = 6337										
63	155	0	1	Total	3.77473E+03	3.8697E+03	1.02516	1.60406E+04	6.83631E+00	5.40000E+00
63	155	0	2	Elastic	1.76763E+01	2.0483E+01	1.15878	7.58995E+02	4.58482E+00	3.00135E+00
63	155	0	102	n,gamma	3.75705E+03	3.8492E+03	1.02453	1.52815E+04	2.01546E-01	1.27450E-03
Eu156 Material number (MAT) = 6340										
63	156	0	1	Total	4.87646E+02	4.9029E+02	1.00541	1.64452E+03	6.38341E+00	4.74810E+00
63	156	0	2	Elastic	5.59360E+00	7.9987E+00	1.42997	1.50549E+02	4.17198E+00	3.28784E+00
63	156	0	102	n,gamma	4.82053E+02	4.8229E+02	1.00049	1.49229E+03	2.02159E-03	2.78646E-03
Eu157 Material number (MAT) = 6343										
63	157	0	1	Total	1.95331E+02	1.9590E+02	1.00291	1.42894E+03	6.39593E+00	4.74570E+00
63	157	0	2	Elastic	5.33910E+00	6.0245E+00	1.12837	1.26592E+02	4.96669E+00	3.27677E+00
63	157	0	102	n,gamma	1.89992E+02	1.8987E+02	0.99938	1.30232E+03	4.34319E-03	2.33317E-03
Gd152 Material number (MAT) = 6425										
64	152	0	1	Total	1.06979E+03	1.0690E+03	0.99930	1.58139E+03	7.00596E+00	5.69903E+00
64	152	0	2	Elastic	1.39621E+01	1.5690E+01	1.12379	5.93603E+02	5.14298E+00	3.41621E+00
64	152	0	102	n,gamma	1.05582E+03	1.0533E+03	0.99765	9.87721E+02	2.94629E-01	1.02599E-03
Gd154 Material number (MAT) = 6431										
64	154	0	1	Total	8.85900E+01	8.9059E+01	1.00529	5.35315E+02	6.33058E+00	4.73908E+00
64	154	0	2	Elastic	3.58504E+00	4.0445E+00	1.12815	2.89021E+02	4.63222E+00	3.36773E+00
64	154	0	102	n,gamma	8.50050E+01	8.5015E+01	1.00011	2.46294E+02	3.08059E-01	2.60647E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Gd155 Material number (MAT) = 6434										
64	155	0	1	Total	6.07912E+04	5.1292E+04	0.84373	1.70654E+03	6.98754E+00	5.68145E+00
64	155	0	2	Elastic	5.90240E+01	5.7339E+01	0.97146	1.61960E+02	4.51702E+00	3.24425E+00
64	155	0	102	n,gamma	6.07321E+04	5.1234E+04	0.84361	1.54451E+03	3.48406E-01	2.06951E-05
Gd156 Material number (MAT) = 6437										
64	156	0	1	Total	7.10854E+00	7.8242E+00	1.10068	3.08871E+02	6.71850E+00	5.38365E+00
64	156	0	2	Elastic	5.57271E+00	6.2876E+00	1.12828	2.08643E+02	4.75989E+00	3.07220E+00
64	156	0	102	n,gamma	1.53582E+00	1.5366E+00	1.00054	1.00222E+02	1.19127E-01	1.77621E-03
Gd157 Material number (MAT) = 6440										
64	157	0	1	Total	2.55012E+05	2.1724E+05	0.85186	9.43907E+02	6.69807E+00	5.39213E+00
64	157	0	2	Elastic	1.76027E+03	1.6028E+03	0.91053	1.81847E+02	4.47562E+00	3.08768E+00
64	157	0	102	n,gamma	2.53252E+05	2.1563E+05	0.85146	7.61761E+02	2.03844E-01	7.59077E-05
Gd158 Material number (MAT) = 6443										
64	158	0	1	Total	6.01019E+00	6.4619E+00	1.07515	1.95293E+02	6.42423E+00	4.75540E+00
64	158	0	2	Elastic	3.50978E+00	3.9601E+00	1.12830	1.32511E+02	4.83198E+00	3.30454E+00
64	158	0	102	n,gamma	2.50042E+00	2.5018E+00	1.00056	6.27677E+01	5.56377E-02	2.88513E-03
Gd160 Material number (MAT) = 6449										
64	160	0	1	Total	4.49666E+00	4.9751E+00	1.10640	1.65307E+02	6.46188E+00	4.76062E+00
64	160	0	2	Elastic	3.72658E+00	4.2049E+00	1.12836	1.57072E+02	4.88952E+00	3.28955E+00
64	160	0	102	n,gamma	7.70078E-01	7.7015E-01	1.00010	8.21475E+00	8.00141E-02	2.33432E-03
Tb159 Material number (MAT) = 6525										
65	159	0	1	Total	2.97832E+01	3.0627E+01	1.02835	6.06933E+02	6.71432E+00	5.00909E+00
65	159	0	2	Elastic	6.57079E+00	7.4143E+00	1.12837	1.93653E+02	4.03058E+00	2.49869E+00
65	159	0	102	n,gamma	2.32124E+01	2.3213E+01	1.00003	4.13011E+02	1.58763E-01	1.77107E-03
Tb160 Material number (MAT) = 6528										
65	160	0	1	Total	5.30393E+02	5.3083E+02	1.00082	1.31483E+03	6.45609E+00	4.75428E+00
65	160	0	2	Elastic	5.40700E+00	6.1011E+00	1.12837	1.80160E+02	4.33300E+00	3.25410E+00
65	160	0	102	n,gamma	5.24987E+02	5.2473E+02	0.99950	1.13467E+03	4.39830E-03	2.91660E-03
Dy160 Material number (MAT) = 6637										
66	160	0	1	Total	6.33395E+01	6.4160E+01	1.01295	2.31417E+03	6.45373E+00	4.75695E+00
66	160	0	2	Elastic	2.31585E+00	2.6027E+00	1.12386	6.39350E+02	4.66856E+00	3.65948E+00
66	160	0	102	n,gamma	6.10236E+01	6.1557E+01	1.00874	1.67482E+03	7.66220E-01	2.66889E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Dy161 Material number (MAT) = 6640										
66	161	0	1	Total	6.08826E+02	6.0651E+02	0.99620	1.55656E+03	6.47236E+00	4.75702E+00
66	161	0	2	Elastic	2.37995E+01	2.6458E+01	1.11168	3.40096E+02	4.68077E+00	3.27927E+00
66	161	0	102	n,gamma	5.85026E+02	5.8006E+02	0.99150	1.21597E+03	1.25818E-01	3.07765E-03
Dy162 Material number (MAT) = 6643										
66	162	0	1	Total	1.99393E+02	2.0036E+02	1.00486	3.47797E+03	6.48608E+00	4.75693E+00
66	162	0	2	Elastic	2.30053E-01	2.5276E-01	1.09872	6.93775E+02	4.86001E+00	3.32893E+00
66	162	0	102	n,gamma	1.99163E+02	2.0011E+02	1.00476	2.78419E+03	2.78742E-01	2.59410E-03
Dy163 Material number (MAT) = 6646										
66	163	0	1	Total	1.36734E+02	1.3738E+02	1.00469	1.78310E+03	6.50293E+00	4.75734E+00
66	163	0	2	Elastic	2.33477E+00	2.6176E+00	1.12112	3.16026E+02	4.52564E+00	3.22740E+00
66	163	0	102	n,gamma	1.34400E+02	1.3476E+02	1.00267	1.46686E+03	8.10371E-02	2.90360E-03
Dy164 Material number (MAT) = 6649										
66	164	0	1	Total	2.90956E+03	2.9190E+03	1.00326	9.94890E+02	6.74629E+00	5.25802E+00
66	164	0	2	Elastic	3.90016E+02	4.3048E+02	1.10374	6.66610E+02	4.33789E+00	3.00600E+00
66	164	0	102	n,gamma	2.51954E+03	2.4886E+03	0.98770	3.28211E+02	9.85156E-02	8.50000E-03
Hol165 Material number (MAT) = 6725										
67	165	0	1	Total	7.33808E+01	7.4601E+01	1.01663	9.60536E+02	6.88257E+00	5.33125E+00
67	165	0	2	Elastic	8.67631E+00	9.7840E+00	1.12767	2.40824E+02	4.23301E+00	2.88135E+00
67	165	0	102	n,gamma	6.47045E+01	6.4817E+01	1.00174	7.19708E+02	1.21695E-01	1.27650E-03
Er162 Material number (MAT) = 6825										
68	162	0	1	Total	5.92814E+01	5.4849E+01	0.92523	8.54328E+02	6.91592E+00	5.27242E+00
68	162	0	2	Elastic	3.01922E+01	2.9231E+01	0.96817	2.79714E+02	4.30362E+00	3.09782E+00
68	162	0	102	n,gamma	2.90893E+01	2.5618E+01	0.88065	5.74614E+02	5.33303E-01	7.20000E-02
Er164 Material number (MAT) = 6831										
68	164	0	1	Total	4.74165E+01	4.6973E+01	0.99064	3.27170E+02	6.94197E+00	5.30000E+00
68	164	0	2	Elastic	3.43036E+01	3.3865E+01	0.98721	1.82665E+02	4.86103E+00	3.40550E+00
68	164	0	102	n,gamma	1.31129E+01	1.3108E+01	0.99962	1.44500E+02	2.03764E-01	2.90000E-02
Er166 Material number (MAT) = 6837										
68	166	0	1	Total	5.77174E+01	5.7629E+01	0.99846	3.52494E+02	6.88378E+00	5.27338E+00
68	166	0	2	Elastic	3.71240E+01	3.7043E+01	0.99783	2.42822E+02	4.71819E+00	3.22918E+00
68	166	0	102	n,gamma	2.05933E+01	2.0585E+01	0.99960	1.09648E+02	1.43782E-01	1.90000E-02

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Er167 Material number (MAT) = 6840										
68	167	0	1	Total	6.80391E+02	7.2274E+02	1.06225	3.99404E+03	6.86494E+00	5.30040E+00
68	167	0	2	Elastic	2.67568E+01	2.5233E+01	0.94303	6.02598E+02	4.54268E+00	3.22640E+00
68	167	0	102	n,gamma	6.53634E+02	6.9751E+02	1.06713	3.39134E+03	1.11514E-01	7.40000E-03
Er168 Material number (MAT) = 6843										
68	168	0	1	Total	3.58897E+01	3.5302E+01	0.98361	2.39221E+02	6.91055E+00	5.29542E+00
68	168	0	2	Elastic	3.31143E+01	3.2526E+01	0.98224	1.98652E+02	4.91220E+00	3.36802E+00
68	168	0	102	n,gamma	2.77541E+00	2.7755E+00	1.00004	4.05331E+01	5.68514E-02	7.00000E-03
Er170 Material number (MAT) = 6846										
68	170	0	1	Total	4.15999E+01	4.1350E+01	0.99399	6.04186E+02	7.02523E+00	5.27380E+00
68	170	0	2	Elastic	3.57469E+01	3.5495E+01	0.99295	5.45708E+02	5.14413E+00	3.43635E+00
68	170	0	102	n,gamma	5.85293E+00	5.8547E+00	1.00030	5.84370E+01	3.49059E-02	3.85000E-03
Lu175 Material number (MAT) = 7125										
71	175	0	1	Total	3.11483E+01	3.1215E+01	1.00214	8.78644E+02	7.21881E+00	5.25740E+00
71	175	0	2	Elastic	5.28027E+00	5.9485E+00	1.12655	2.32173E+02	5.15152E+00	3.02100E+00
71	175	0	102	n,gamma	2.58681E+01	2.5267E+01	0.97675	6.46471E+02	8.31634E-02	2.00000E-03
Lu176 Material number (MAT) = 7128										
71	176	0	1	Total	1.96485E+03	3.4411E+03	1.75133	1.09805E+03	7.22916E+00	5.26000E+00
71	176	0	2	Elastic	3.04985E+00	4.7228E+00	1.54855	1.79706E+02	5.11916E+00	2.95240E+00
71	176	0	102	n,gamma	1.96180E+03	3.4364E+03	1.75165	9.18348E+02	1.30152E-01	3.20000E-03
Hf174 Material number (MAT) = 7225										
72	174	0	1	Total	5.76248E+02	5.6566E+02	0.98162	7.38045E+02	7.09854E+00	5.33388E+00
72	174	0	2	Elastic	1.49901E+01	1.6546E+01	1.10378	3.75941E+02	4.56198E+00	2.74954E+00
72	174	0	102	n,gamma	5.61258E+02	5.4911E+02	0.97836	3.62100E+02	2.76103E-01	4.18123E-06
Hf176 Material number (MAT) = 7231										
72	176	0	1	Total	2.90428E+01	2.9816E+01	1.02661	1.42922E+03	7.22002E+00	5.37211E+00
72	176	0	2	Elastic	5.55798E+00	6.2611E+00	1.12651	5.36441E+02	4.76306E+00	2.75840E+00
72	176	0	102	n,gamma	2.34849E+01	2.3555E+01	1.00297	8.92772E+02	9.35880E-02	4.21716E-07
Hf177 Material number (MAT) = 7234										
72	177	0	1	Total	3.73804E+02	3.8126E+02	1.01995	7.99381E+03	7.05597E+00	5.38226E+00
72	177	0	2	Elastic	2.11650E-01	2.6703E-01	1.26164	7.84855E+02	4.49267E+00	2.88805E+00
72	177	0	102	n,gamma	3.73593E+02	3.8100E+02	1.01982	7.20895E+03	1.63471E-01	1.93669E-07

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Hf178 Material number (MAT) = 7237										
72	178	0	1	Total	8.85084E+01	8.9298E+01	1.00892	3.66419E+03	7.18175E+00	5.50791E+00
72	178	0	2	Elastic	4.47325E+00	5.0143E+00	1.12094	1.75030E+03	4.71292E+00	3.08207E+00
72	178	0	102	n,gamma	8.40351E+01	8.4284E+01	1.00296	1.91388E+03	5.54430E-02	7.33579E-10
Hf179 Material number (MAT) = 7240										
72	179	0	1	Total	4.95651E+01	5.0320E+01	1.01524	7.80265E+02	7.07489E+00	5.40363E+00
72	179	0	2	Elastic	6.77592E+00	7.6213E+00	1.12476	2.58407E+02	4.59122E+00	2.93893E+00
72	179	0	102	n,gamma	4.27892E+01	4.2699E+01	0.99789	5.21859E+02	1.05170E-01	7.51591E-08
Hf180 Material number (MAT) = 7243										
72	180	0	1	Total	3.42903E+01	3.7006E+01	1.07920	2.71281E+02	7.39145E+00	5.48470E+00
72	180	0	2	Elastic	2.12950E+01	2.4016E+01	1.12778	2.37415E+02	4.96205E+00	2.80417E+00
72	180	0	102	n,gamma	1.29953E+01	1.2990E+01	0.99959	3.38606E+01	3.28266E-02	4.12238E-06
Ta181 Material number (MAT) = 7328										
73	181	0	1	Total	2.63400E+01	2.7118E+01	1.02955	8.92058E+02	7.00230E+00	5.37000E+00
73	181	0	2	Elastic	5.66602E+00	6.3834E+00	1.12662	2.29965E+02	4.62475E+00	2.99109E+00
73	181	0	102	n,gamma	2.06740E+01	2.0735E+01	1.00295	6.59472E+02	8.73272E-02	2.05527E-07
Ta182 Material number (MAT) = 7331										
73	182	0	1	Total	8.31831E+03	1.3661E+04	1.64229	1.32910E+03	6.78824E+00	5.36410E+00
73	182	0	2	Elastic	3.11515E+01	5.3982E+01	1.73288	2.86106E+02	3.76761E+00	2.74300E+00
73	182	0	102	n,gamma	8.28716E+03	1.3607E+04	1.64195	1.04299E+03	6.78570E-02	4.20000E-03
W182 Material number (MAT) = 7431										
74	182	0	1	Total	2.95784E+01	3.0763E+01	1.04004	1.10159E+03	6.79827E+00	5.20585E+00
74	182	0	2	Elastic	8.86841E+00	9.9908E+00	1.12656	4.73623E+02	4.38962E+00	2.55013E+00
74	182	0	102	n,gamma	2.07100E+01	2.0772E+01	1.00299	6.27967E+02	6.61279E-02	1.00000E-03
W183 Material number (MAT) = 7434										
74	183	0	1	Total	1.25011E+01	1.2817E+01	1.02530	8.00044E+02	6.81940E+00	5.21486E+00
74	183	0	2	Elastic	2.38811E+00	2.6927E+00	1.12754	4.65204E+02	3.93155E+00	2.59625E+00
74	183	0	102	n,gamma	1.01130E+01	1.0125E+01	1.00115	3.34431E+02	5.01751E-02	1.00000E-03
W184 Material number (MAT) = 7437										
74	184	0	1	Total	9.07053E+00	1.0016E+01	1.10428	3.07560E+02	6.72524E+00	5.21497E+00
74	184	0	2	Elastic	7.37292E+00	8.3186E+00	1.12827	2.91543E+02	4.27551E+00	2.53799E+00
74	184	0	102	n,gamma	1.69760E+00	1.6978E+00	1.00011	1.60171E+01	3.75139E-02	1.00000E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
W186 Material number (MAT) = 7443										
74	186	0	1	Total	3.80361E+01	3.8081E+01	1.00117	3.56872E+03	6.71774E+00	5.22435E+00
74	186	0	2	Elastic	1.46832E-01	1.6191E-01	1.10272	3.22213E+03	4.27467E+00	2.32277E+00
74	186	0	102	n,gamma	3.78893E+01	3.7919E+01	1.00078	3.46585E+02	3.59078E-02	1.00000E-03
Re185 Material number (MAT) = 7525										
75	185	0	1	Total	1.21044E+02	1.2265E+02	1.01324	2.00757E+03	6.78678E+00	5.32227E+00
75	185	0	2	Elastic	8.89134E+00	9.9547E+00	1.11959	2.78768E+02	4.23813E+00	2.68847E+00
75	185	0	102	n,gamma	1.12152E+02	1.1269E+02	1.00481	1.72881E+03	1.81412E-01	1.10000E-03
Re187 Material number (MAT) = 7531										
75	187	0	1	Total	8.66518E+01	8.7451E+01	1.00922	5.30565E+02	6.78761E+00	5.33797E+00
75	187	0	2	Elastic	9.96238E+00	1.1186E+01	1.12287	2.37120E+02	4.18209E+00	2.70869E+00
75	187	0	102	n,gamma	7.66895E+01	7.6264E+01	0.99446	2.93444E+02	1.16967E-01	1.08200E-03
OsNat Material number (MAT) = 7600										
76	0	0	1	Total	3.13952E+01	3.3266E+01	1.05959	5.18248E+02	6.86641E+00	5.12511E+00
76	0	0	2	Elastic	1.54614E+01	1.7437E+01	1.12779	3.37739E+02	4.56166E+00	2.68762E+00
76	0	0	102	n,gamma	1.59338E+01	1.5829E+01	0.99340	1.80437E+02	7.70414E-02	1.00000E-03
IrNat Material number (MAT) = 7700										
77	0	0	1	Total	4.31659E+02	4.3325E+02	1.00368	2.50438E+03	6.66288E+00	5.21152E+00
77	0	0	2	Elastic	1.46607E+01	1.6303E+01	1.11200	3.13122E+02	4.08572E+00	2.79622E+00
77	0	0	102	n,gamma	4.16999E+02	4.1695E+02	0.99988	2.19123E+03	1.20714E-01	3.20000E-03
PtNat Material number (MAT) = 7800										
78	0	0	1	Total	2.00325E+01	2.1552E+01	1.07585	2.69836E+02	6.26196E+00	5.36706E+00
78	0	0	2	Elastic	1.20310E+01	1.3575E+01	1.12837	1.58347E+02	4.56408E+00	3.00000E+00
78	0	0	102	n,gamma	8.00145E+00	7.9766E+00	0.99689	1.11488E+02	6.76887E-02	3.95074E-04
Au197 Material number (MAT) = 7925										
79	197	0	1	Total	1.05576E+02	1.0692E+02	1.01278	1.93684E+03	6.65204E+00	5.29510E+00
79	197	0	2	Elastic	6.85601E+00	7.7149E+00	1.12528	3.74709E+02	4.65253E+00	2.62838E+00
79	197	0	102	n,gamma	9.87197E+01	9.9210E+01	1.00497	1.56212E+03	7.78310E-02	1.32000E-03
HgNat Material number (MAT) = 8000										
80	0	0	1	Total	4.09811E+02	4.9436E+02	1.20630	3.53320E+02	6.46451E+00	5.29555E+00
80	0	0	2	Elastic	2.64469E+01	2.7450E+01	1.03795	2.34202E+02	4.97347E+00	2.67873E+00
80	0	0	102	n,gamma	3.83364E+02	4.6691E+02	1.21792	1.18945E+02	2.36139E-02	1.02872E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
TlNat					Material number (MAT) = 8100					
81	0	0	1	Total	1.74158E+01	2.8647E+01	1.64487	2.14324E+02	6.58909E+00	5.17002E+00
81	0	0	2	Elastic	1.00347E+01	1.1323E+01	1.12839	2.00589E+02	4.86743E+00	2.58450E+00
81	0	0	102	n,gamma	7.38113E+00	1.7324E+01	2.34704	1.37354E+01	1.25004E-02	9.00360E-04
Pb204					Material number (MAT) = 8225					
82	204	0	1	Total	1.18849E+01	1.3326E+01	1.12124	1.45671E+02	6.50430E+00	5.33698E+00
82	204	0	2	Elastic	1.12242E+01	1.2665E+01	1.12838	1.43896E+02	5.15599E+00	2.75378E+00
82	204	0	102	n,gamma	6.60669E-01	6.6073E-01	1.00009	1.77496E+00	1.92821E-02	8.14947E-06
Pb206					Material number (MAT) = 8231					
82	206	0	1	Total	1.00905E+01	1.1382E+01	1.12799	1.21935E+02	6.28588E+00	5.34844E+00
82	206	0	2	Elastic	1.00599E+01	1.1351E+01	1.12838	1.21846E+02	4.96000E+00	2.39647E+00
82	206	0	102	n,gamma	3.06057E-02	3.0608E-02	1.00008	8.88799E-02	4.13885E-03	1.83996E-05
Pb207					Material number (MAT) = 8234					
82	207	0	1	Total	1.19935E+01	1.3442E+01	1.12076	1.37395E+02	6.40421E+00	5.35402E+00
82	207	0	2	Elastic	1.12815E+01	1.2730E+01	1.12838	1.37017E+02	5.12632E+00	2.37586E+00
82	207	0	102	n,gamma	7.12025E-01	7.1209E-01	1.00009	3.77574E-01	3.27456E-03	3.72779E-06
Pb208					Material number (MAT) = 8237					
82	208	0	1	Total	1.14997E+01	1.2976E+01	1.12838	1.39209E+02	6.46209E+00	5.36041E+00
82	208	0	2	Elastic	1.14992E+01	1.2976E+01	1.12838	1.39208E+02	6.09320E+00	2.41039E+00
82	208	0	102	n,gamma	5.00823E-04	5.0136E-04	1.00108	1.17226E-03	1.42582E-03	1.10000E-03
Bi209					Material number (MAT) = 8325					
83	209	0	1	Total	9.35644E+00	1.0553E+01	1.12791	1.44679E+02	6.51920E+00	5.34764E+00
83	209	0	2	Elastic	9.32263E+00	1.0519E+01	1.12837	1.44487E+02	5.81927E+00	2.80980E+00
83	209	0	102	n,gamma	3.38053E-02	3.3809E-02	1.00012	1.91958E-01	2.65959E-03	1.00000E-03
Th227					Material number (MAT) = 9025					
90	227	0	1	Total	1.74952E+03	1.7513E+03	1.00100	1.84553E+03	7.57933E+00	5.62069E+00
90	227	0	2	Elastic	1.24276E+01	1.4023E+01	1.12838	2.23658E+02	5.22702E+00	3.17007E+00
90	227	0	18	Fission	2.02010E+02	2.0203E+02	1.00009	2.06002E+02	4.83254E-01	2.05000E+00
90	227	0	102	n,gamma	1.53508E+03	1.5352E+03	1.00009	1.41581E+03	1.96726E-01	4.99193E-08

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Th228 Material number (MAT) = 9028										
90	228	0	1	Total	1.33006E+02	1.3501E+02	1.01506	1.58240E+03	7.57526E+00	5.62786E+00
90	228	0	2	Elastic	1.28333E+01	1.4451E+01	1.12609	4.13827E+02	5.46561E+00	3.16872E+00
90	228	0	18	Fission	3.00014E-01	3.0003E-01	1.00006	1.33059E-01	1.05059E-01	5.49000E-01
90	228	0	102	n,gamma	1.19873E+02	1.2026E+02	1.00321	1.16836E+03	8.02350E-02	2.40346E-10
Th229 Material number (MAT) = 9031										
90	229	0	1	Total	1.04145E+02	1.0864E+02	1.04314	1.85394E+03	7.61408E+00	6.18875E+00
90	229	0	2	Elastic	9.95931E+00	1.1175E+01	1.12205	1.77117E+02	5.15052E+00	3.14127E+00
90	229	0	18	Fission	3.08145E+01	3.1345E+01	1.01721	4.40089E+02	4.83253E-01	2.05000E+00
90	229	0	102	n,gamma	6.33713E+01	6.6118E+01	1.04335	1.23456E+03	2.08516E-01	7.84840E-06
Th230 Material number (MAT) = 9034										
90	230	0	1	Total	2.91738E+01	3.0066E+01	1.03058	1.22411E+03	8.44916E+00	6.30469E+00
90	230	0	2	Elastic	6.09282E+00	6.8490E+00	1.12410	3.72620E+02	5.39395E+00	3.52056E+00
90	230	0	18	Fission	0.00000E+00	0.0000E+00	0.00000	4.80828E-03	1.79592E-01	6.50000E-01
90	230	0	102	n,gamma	2.30810E+01	2.3217E+01	1.00589	8.51268E+02	2.00009E-02	1.10289E-02
Th232 Material number (MAT) = 9040										
90	232	0	1	Total	2.11344E+01	2.2855E+01	1.08139	3.08833E+02	7.65242E+00	5.74000E+00
90	232	0	2	Elastic	1.37346E+01	1.5486E+01	1.12755	2.24759E+02	4.63050E+00	2.68300E+00
90	232	0	18	Fission	0.00000E+00	0.0000E+00	0.00000	0.00000E+00	7.76896E-02	3.50000E-01
90	232	0	102	n,gamma	7.39982E+00	7.3683E+00	0.99573	8.38977E+01	8.69427E-02	0.00000E+00
Th233 Material number (MAT) = 9043										
90	233	0	1	Total	1.47811E+03	1.4800E+03	1.00125	8.60478E+02	7.63036E+00	5.67010E+00
90	233	0	2	Elastic	1.30282E+01	1.4703E+01	1.12855	2.06921E+02	5.32804E+00	3.16731E+00
90	233	0	18	Fission	1.50045E+01	1.5058E+01	1.00354	1.02474E+01	1.11240E-01	4.10000E-01
90	233	0	102	n,gamma	1.45007E+03	1.4502E+03	1.00009	6.42507E+02	8.85446E-02	6.07109E-09
Th234 Material number (MAT) = 9046										
90	234	0	1	Total	1.47781E+01	1.6450E+01	1.11317	3.85001E+02	7.66094E+00	5.67955E+00
90	234	0	2	Elastic	1.30280E+01	1.4701E+01	1.12838	2.91656E+02	5.53416E+00	3.16799E+00
90	234	0	18	Fission	0.00000E+00	0.0000E+00	0.00000	0.00000E+00	3.62673E-02	1.50000E-01
90	234	0	102	n,gamma	1.75006E+00	1.7500E+00	0.99995	9.32226E+01	1.02074E-01	1.54056E-07

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Pa231 Material number (MAT) = 9131										
91	231	0	1	Total	2.35336E+02	2.3498E+02	0.99848	7.23210E+02	8.45012E+00	6.43800E+00
91	231	0	2	Elastic	8.45705E+00	9.3954E+00	1.11095	1.22178E+02	4.77830E+00	2.78188E+00
91	231	0	18	Fission	1.03855E-02	1.0543E-02	1.01516	1.21750E-01	9.81079E-01	1.97174E+00
91	231	0	102	n,gamma	2.26869E+02	2.2557E+02	0.99428	6.00203E+02	3.93591E-01	1.12225E-01
Pa233 Material number (MAT) = 9137										
91	233	0	1	Total	4.98768E+01	5.0084E+01	1.00414	9.89595E+02	7.32225E+00	5.43000E+00
91	233	0	2	Elastic	8.43160E+00	9.4888E+00	1.12538	1.32649E+02	4.50275E+00	3.01634E+00
91	233	0	18	Fission	0.00000E+00	0.00000E+00	0.00000	0.00000E+00	4.60244E-01	1.58900E+00
91	233	0	102	n,gamma	4.14452E+01	4.0595E+01	0.97948	8.54730E+02	1.86852E-01	6.66000E-03
U232 Material number (MAT) = 9219										
92	232	0	1	Total	1.57167E+02	1.5425E+02	0.98145	8.79816E+02	8.57866E+00	6.38020E+00
92	232	0	2	Elastic	7.54023E+00	8.4636E+00	1.12247	1.43076E+02	4.71022E+00	3.00618E+00
92	232	0	18	Fission	7.70710E+01	7.5272E+01	0.97666	4.19119E+02	2.48505E+00	1.23814E+00
92	232	0	102	n,gamma	7.25563E+01	7.0517E+01	0.97189	3.17518E+02	1.04662E-01	5.60548E-02
U233 Material number (MAT) = 9222										
92	233	0	1	Total	5.88408E+02	5.8915E+02	1.00126	1.04628E+03	7.68281E+00	5.92065E+00
92	233	0	2	Elastic	1.19929E+01	1.3499E+01	1.12561	1.44566E+02	4.47315E+00	2.88703E+00
92	233	0	18	Fission	5.31154E+02	5.2900E+02	0.99595	7.63594E+02	1.94935E+00	2.45000E+00
92	233	0	102	n,gamma	4.52606E+01	4.6650E+01	1.03070	1.38058E+02	7.16469E-02	1.37060E-08
U234 Material number (MAT) = 9225										
92	234	0	1	Total	1.15815E+02	1.1629E+02	1.00406	8.87366E+02	8.52780E+00	5.53130E+00
92	234	0	2	Elastic	1.23267E+01	1.3811E+01	1.12046	2.27341E+02	5.34002E+00	2.78000E+00
92	234	0	18	Fission	4.64048E-01	4.5875E-01	0.98857	6.17331E-01	1.21507E+00	2.05900E+00
92	234	0	102	n,gamma	1.03025E+02	1.0201E+02	0.99020	6.59232E+02	1.77182E-01	1.03000E-02
U235 Material number (MAT) = 9228										
92	235	0	1	Total	6.98680E+02	6.8571E+02	0.98144	5.52830E+02	7.65603E+00	5.85999E+00
92	235	0	2	Elastic	1.51153E+01	1.6934E+01	1.12032	1.44052E+02	4.41110E+00	2.83994E+00
92	235	0	18	Fission	5.84899E+02	5.7102E+02	0.97627	2.68806E+02	1.21859E+00	2.06000E+00
92	235	0	102	n,gamma	9.86651E+01	9.7762E+01	0.99085	1.39835E+02	9.51853E-02	1.21270E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310⁻² eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
U236 Material number (MAT) = 9231										
92	236	0	1	Total	1.37113E+01	1.4787E+01	1.07846	6.03376E+02	7.75256E+00	5.75270E+00
92	236	0	2	Elastic	8.35457E+00	9.4207E+00	1.12761	2.53744E+02	4.81702E+00	2.75717E+00
92	236	0	18	Fission	6.12905E-02	6.1415E-02	1.00203	4.36378E+00	5.86106E-01	1.65926E+00
92	236	0	102	n,gamma	5.29549E+00	5.3050E+00	1.00180	3.45065E+02	1.09205E-01	3.66590E-07
U237 Material number (MAT) = 9234										
92	237	0	1	Total	4.78362E+02	4.7003E+02	0.98258	1.33089E+03	7.77526E+00	5.86522E+00
92	237	0	2	Elastic	2.44355E+01	2.6860E+01	1.09923	2.03245E+02	5.28452E+00	3.14099E+00
92	237	0	18	Fission	1.70199E+00	1.6727E+00	0.98278	4.39259E+01	7.41336E-01	1.83250E+00
92	237	0	102	n,gamma	4.52225E+02	4.4150E+02	0.97628	1.08302E+03	9.41197E-02	1.00001E-03
U238 Material number (MAT) = 9237										
92	238	0	1	Total	1.20932E+01	1.3299E+01	1.09967	5.96963E+02	7.80872E+00	5.89899E+00
92	238	0	2	Elastic	9.37606E+00	1.0576E+01	1.12794	3.19070E+02	4.85405E+00	2.74961E+00
92	238	0	18	Fission	1.17737E-05	1.1788E-05	1.00122	2.15943E-03	2.99855E-01	1.13000E+00
92	238	0	102	n,gamma	2.71713E+00	2.7229E+00	1.00213	2.77697E+02	7.01909E-02	8.80000E-04
Np236 Material number (MAT) = 9343										
93	236	0	1	Total	3.48312E+03	3.4824E+03	0.99980	1.42557E+03	7.75750E+00	5.85228E+00
93	236	0	2	Elastic	1.22963E+01	1.3875E+01	1.12838	1.45303E+02	5.08065E+00	3.13896E+00
93	236	0	18	Fission	2.76986E+03	2.7681E+03	0.99935	1.02186E+03	1.91955E+00	2.44369E+00
93	236	0	102	n,gamma	7.00962E+02	7.0049E+02	0.99933	2.58402E+02	1.89123E-01	1.00031E-03
Np237 Material number (MAT) = 9346										
93	237	0	1	Total	1.95765E+02	1.9594E+02	1.00092	8.13883E+02	7.55904E+00	5.70256E+00
93	237	0	2	Elastic	1.47677E+01	1.6445E+01	1.11357	1.55483E+02	4.33366E+00	2.64878E+00
93	237	0	18	Fission	1.80095E-02	1.7722E-02	0.98405	2.14418E-01	1.30864E+00	2.11111E+00
93	237	0	102	n,gamma	1.80979E+02	1.7948E+02	0.99173	6.57906E+02	1.95113E-01	3.50000E-03
Np238 Material number (MAT) = 9349										
93	238	0	1	Total	2.25031E+03	2.2319E+03	0.99183	1.15575E+03	7.84332E+00	6.04835E+00
93	238	0	2	Elastic	2.08549E+01	2.3286E+01	1.11656	1.42923E+02	4.86077E+00	2.90775E+00
93	238	0	18	Fission	2.02665E+03	2.0077E+03	0.99065	9.11824E+02	1.48742E+00	1.85000E+00
93	238	0	102	n,gamma	2.02808E+02	2.0095E+02	0.99086	1.00911E+02	3.39190E-02	1.05988E-02

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310⁻² eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Np239 Material number (MAT) = 9352										
93	239	0	1	Total	8.75261E+01	8.8884E+01	1.01551	6.15658E+02	7.84781E+00	5.52345E+00
93	239	0	2	Elastic	1.05222E+01	1.1873E+01	1.12838	1.60095E+02	4.74423E+00	2.64047E+00
93	239	0	18	Fission	0.00000E+00	0.0000E+00	0.00000	4.12340E-02	1.44806E+00	2.42000E+00
93	239	0	102	n,gamma	7.70039E+01	7.7011E+01	1.00009	4.55010E+02	2.01734E-01	1.00000E-05
Pu236 Material number (MAT) = 9428										
94	236	0	1	Total	3.45228E+02	3.4445E+02	0.99774	8.00967E+02	7.51555E+00	6.92054E+00
94	236	0	2	Elastic	2.02157E+01	2.2620E+01	1.11892	1.72028E+02	4.58688E+00	3.31254E+00
94	236	0	18	Fission	1.62506E+02	1.6091E+02	0.99020	3.14974E+02	2.13211E+00	2.63000E+00
94	236	0	102	n,gamma	1.62506E+02	1.6091E+02	0.99020	3.13866E+02	4.56223E-02	8.00000E-03
Pu237 Material number (MAT) = 9431										
94	237	0	1	Total	2.65189E+03	2.6536E+03	1.00065	1.39863E+03	7.56294E+00	6.42910E+00
94	237	0	2	Elastic	1.17590E+01	1.3269E+01	1.12838	1.39746E+02	4.25252E+00	3.32070E+00
94	237	0	18	Fission	2.10010E+03	2.1003E+03	1.00007	1.06873E+03	3.00947E+00	2.69320E+00
94	237	0	102	n,gamma	5.40027E+02	5.4007E+02	1.00008	1.90136E+02	3.18602E-02	2.40000E-03
Pu238 Material number (MAT) = 9434										
94	238	0	1	Total	5.86437E+02	5.6497E+02	0.96339	4.12339E+02	8.80777E+00	6.87587E+00
94	238	0	2	Elastic	2.85778E+01	3.1463E+01	1.10098	2.34957E+02	6.01043E+00	3.58387E+00
94	238	0	18	Fission	1.78791E+01	1.7113E+01	0.95717	2.76776E+01	1.98478E+00	2.72170E+00
94	238	0	102	n,gamma	5.39981E+02	5.1639E+02	0.95631	1.49559E+02	9.80797E-02	5.86099E-09
Pu239 Material number (MAT) = 9437										
94	239	0	1	Total	1.02633E+03	1.1070E+03	1.07859	6.27906E+02	7.79629E+00	5.79013E+00
94	239	0	2	Elastic	7.99046E+00	8.8083E+00	1.10235	1.53233E+02	4.61203E+00	2.74600E+00
94	239	0	18	Fission	7.47688E+02	7.8832E+02	1.05435	2.92746E+02	1.79157E+00	2.41800E+00
94	239	0	102	n,gamma	2.70656E+02	3.0986E+02	1.14485	1.81125E+02	5.49860E-02	1.99200E-03
Pu240 Material number (MAT) = 9440										
94	240	0	1	Total	2.88513E+02	2.9620E+02	1.02663	9.45340E+03	7.73357E+00	5.89024E+00
94	240	0	2	Elastic	2.66693E+00	2.8281E+00	1.06045	9.66188E+02	4.36171E+00	2.71629E+00
94	240	0	18	Fission	5.91515E-02	6.1074E-02	1.03250	3.37551E+00	1.34303E+00	2.25400E+00
94	240	0	102	n,gamma	2.85787E+02	2.9331E+02	1.02631	8.48362E+03	9.45492E-02	8.00000E-04

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Pu241 Material number (MAT) = 9443										
94	241	0	1	Total	1.38631E+03	1.4451E+03	1.04239	8.93284E+02	7.85500E+00	5.79912E+00
94	241	0	2	Elastic	1.12591E+01	1.2473E+01	1.10780	1.52374E+02	5.19031E+00	3.28982E+00
94	241	0	18	Fission	1.01209E+03	1.0592E+03	1.04651	5.60761E+02	1.65047E+00	2.29800E+00
94	241	0	102	n,gamma	3.62952E+02	3.7343E+02	1.02888	1.80129E+02	1.20440E-01	1.04967E-07
Pu242 Material number (MAT) = 9446										
94	242	0	1	Total	2.71313E+01	2.8359E+01	1.04527	1.45339E+03	7.95259E+00	5.95370E+00
94	242	0	2	Elastic	8.33697E+00	9.3822E+00	1.12537	3.22927E+02	4.81423E+00	2.79060E+00
94	242	0	18	Fission	2.55694E-03	2.5715E-03	1.00568	2.53458E-01	1.15509E+00	2.08860E+00
94	242	0	102	n,gamma	1.87917E+01	1.8975E+01	1.00973	1.12992E+03	8.91918E-02	8.00000E-04
Pu243 Material number (MAT) = 9449										
94	243	0	1	Total	2.88969E+02	2.8898E+02	1.00004	9.90103E+02	7.85784E+00	5.68160E+00
94	243	0	2	Elastic	1.94913E+01	2.1773E+01	1.11706	1.60860E+02	4.64613E+00	2.58000E+00
94	243	0	18	Fission	1.81379E+02	1.7985E+02	0.99157	5.54143E+02	1.06530E+00	1.90000E+00
94	243	0	102	n,gamma	8.80989E+01	8.7357E+01	0.99158	2.75081E+02	4.39540E-02	1.60000E-03
Pu244 Material number (MAT) = 9452										
94	244	0	1	Total	1.14742E+01	1.2704E+01	1.10717	2.96781E+02	7.82965E+00	5.44226E+00
94	244	0	2	Elastic	9.64448E+00	1.0879E+01	1.12800	1.90613E+02	4.89141E+00	3.07582E+00
94	244	0	18	Fission	0.00000E+00	0.0000E+00	0.00000	6.59640E-02	9.91953E-01	1.69460E+00
94	244	0	102	n,gamma	1.82976E+00	1.8249E+00	0.99736	1.05799E+02	1.76265E-02	2.80001E-03
Am241 Material number (MAT) = 9543										
95	241	0	1	Total	6.30355E+02	6.3830E+02	1.01261	1.59989E+03	7.67572E+00	5.78916E+00
95	241	0	2	Elastic	1.20765E+01	1.3114E+01	1.08593	1.46131E+02	4.77025E+00	2.87300E+00
95	241	0	18	Fission	3.17524E+00	3.2984E+00	1.03877	9.77362E+00	1.32302E+00	2.39120E+00
95	241	0	102	n,gamma	6.15104E+02	6.2189E+02	1.01103	1.44385E+03	3.22130E-01	5.08800E-03
Am242 Material number (MAT) = 9546										
95	242	0	1	Total	2.54967E+03	2.5268E+03	0.99102	8.44139E+02	1.02024E+01	1.02000E+01
95	242	0	2	Elastic	2.90062E+01	3.2383E+01	1.11642	1.48856E+02	1.02001E+01	1.02000E+01
95	242	0	18	Fission	2.26861E+03	2.2450E+03	0.98958	6.22971E+02	1.97283E-03	0.00000E+00
95	242	0	102	n,gamma	2.52052E+02	2.4942E+02	0.98958	7.23119E+01	2.79881E-04	0.00000E+00

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Am242m Material number (MAT) = 9547										
95	242	1	1	Total	8.70364E+03	9.4818E+03	1.08941	2.03756E+03	7.79497E+00	5.67000E+00
95	242	1	2	Elastic	1.37450E+01	1.6087E+01	1.17042	1.46007E+02	4.53533E+00	1.90846E+00
95	242	1	18	Fission	6.88229E+03	7.5407E+03	1.09566	1.63005E+03	1.84237E+00	2.47000E+00
95	242	1	102	n,gamma	1.80760E+03	1.9251E+03	1.06499	2.61481E+02	7.96355E-02	3.70400E-05
Am243 Material number (MAT) = 9549										
95	243	0	1	Total	8.31266E+01	8.4441E+01	1.01581	1.98977E+03	7.69800E+00	5.38100E+00
95	243	0	2	Elastic	7.12860E+00	7.9954E+00	1.12159	1.75888E+02	5.01966E+00	2.84100E+00
95	243	0	18	Fission	4.95622E-02	4.9808E-02	1.00496	1.19454E+00	1.10021E+00	2.05000E+00
95	243	0	102	n,gamma	7.59484E+01	7.6396E+01	1.00589	1.81253E+03	2.50483E-01	1.00000E-02
Am244 Material number (MAT) = 9552										
95	244	0	1	Total	2.91161E+03	2.9922E+03	1.02769	1.69881E+03	7.82230E+00	5.92519E+00
95	244	0	2	Elastic	1.16463E+01	1.3141E+01	1.12838	1.37246E+02	4.56290E+00	2.81056E+00
95	244	0	18	Fission	2.29998E+03	2.3655E+03	1.02848	1.24770E+03	1.76391E+00	2.42727E+00
95	244	0	102	n,gamma	5.99989E+02	6.1362E+02	1.02272	3.13861E+02	3.38849E-01	1.77550E-07
Am244m Material number (MAT) = 9553										
95	244	1	1	Total	2.01172E+03	2.2171E+03	1.10209	1.69880E+03	7.82214E+00	5.92519E+00
95	244	1	2	Elastic	1.16458E+01	1.3141E+01	1.12838	1.37202E+02	4.52609E+00	2.81056E+00
95	244	1	18	Fission	1.60009E+03	1.7627E+03	1.10163	1.24770E+03	1.76392E+00	2.42727E+00
95	244	1	102	n,gamma	3.99991E+02	4.4126E+02	1.10317	3.13842E+02	3.70661E-01	1.12652E-06
Cm241 Material number (MAT) = 9628										
96	241	0	1	Total	2.86198E+03	2.8637E+03	1.00060	1.41862E+03	7.48825E+00	6.00732E+00
96	241	0	2	Elastic	1.21053E+01	1.3659E+01	1.12838	1.41157E+02	4.41371E+00	3.15932E+00
96	241	0	18	Fission	2.59956E+03	2.5997E+03	1.00006	1.16513E+03	2.68046E+00	2.83800E+00
96	241	0	102	n,gamma	2.50315E+02	2.5034E+02	1.00011	1.12103E+02	2.35717E-02	0.00000E+00
Cm242 Material number (MAT) = 9631										
96	242	0	1	Total	3.25931E+01	3.3948E+01	1.04158	3.02157E+02	8.08914E+00	6.15342E+00
96	242	0	2	Elastic	1.16332E+01	1.3112E+01	1.12710	1.82807E+02	4.62051E+00	2.75671E+00
96	242	0	18	Fission	5.06348E+00	5.0429E+00	0.99594	1.11457E+01	1.64759E+00	2.67165E+00
96	242	0	102	n,gamma	1.58964E+01	1.5794E+01	0.99353	1.07975E+02	3.22786E-02	3.84631E-05

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310⁻² eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Cm243 Material number (MAT) = 9634										
96	243	0	1	Total	7.57543E+02	7.5880E+02	1.00166	1.89877E+03	7.98816E+00	6.28123E+00
96	243	0	2	Elastic	9.94591E+00	1.1099E+01	1.11589	1.47024E+02	4.44194E+00	2.90329E+00
96	243	0	18	Fission	6.17468E+02	6.1998E+02	1.00407	1.55367E+03	2.17255E+00	2.74904E+00
96	243	0	102	n,gamma	1.30130E+02	1.2772E+02	0.98151	1.98031E+02	1.93534E-02	6.93320E-05
Cm244 Material number (MAT) = 9637										
96	244	0	1	Total	2.30501E+01	2.4056E+01	1.04363	9.57830E+02	8.00453E+00	6.24000E+00
96	244	0	2	Elastic	7.58634E+00	8.5479E+00	1.12675	3.14457E+02	5.31588E+00	2.87000E+00
96	244	0	18	Fission	1.03423E+00	1.0298E+00	0.99568	1.17837E+01	1.60837E+00	2.99000E+00
96	244	0	102	n,gamma	1.44295E+01	1.4478E+01	1.00337	6.31396E+02	1.01928E-01	1.00000E-03
Cm245 Material number (MAT) = 9640										
96	245	0	1	Total	2.35659E+03	2.2242E+03	0.94384	1.04268E+03	7.83267E+00	5.81398E+00
96	245	0	2	Elastic	1.16129E+01	1.3007E+01	1.12005	1.42998E+02	4.72981E+00	2.77211E+00
96	245	0	18	Fission	1.99895E+03	1.8873E+03	0.94415	7.90046E+02	1.73779E+00	2.54000E+00
96	245	0	102	n,gamma	3.46025E+02	3.2392E+02	0.93613	1.09596E+02	6.72482E-02	2.54429E-10
Cm246 Material number (MAT) = 9643										
96	246	0	1	Total	1.06827E+01	1.1873E+01	1.11142	2.91025E+02	7.91713E+00	5.70479E+00
96	246	0	2	Elastic	9.22735E+00	1.0411E+01	1.12822	1.71938E+02	4.83446E+00	2.71872E+00
96	246	0	18	Fission	1.44190E-01	1.4452E-01	1.00227	4.71953E+00	1.21357E+00	1.89824E+00
96	246	0	102	n,gamma	1.31118E+00	1.3179E+00	1.00515	1.13974E+02	1.07689E-01	1.00000E-03
Cm247 Material number (MAT) = 9646										
96	247	0	1	Total	1.47750E+02	1.4636E+02	0.99059	1.27613E+03	8.03536E+00	5.79713E+00
96	247	0	2	Elastic	8.79216E+00	9.8713E+00	1.12274	1.41058E+02	4.86949E+00	2.74018E+00
96	247	0	18	Fission	8.17628E+01	7.9838E+01	0.97646	6.00898E+02	1.90981E+00	2.54000E+00
96	247	0	102	n,gamma	5.71952E+01	5.6650E+01	0.99048	5.34122E+02	7.68675E-02	1.48235E-08
Cm248 Material number (MAT) = 9649										
96	248	0	1	Total	9.46810E+00	1.0309E+01	1.08885	5.87356E+02	8.06804E+00	5.82596E+00
96	248	0	2	Elastic	6.52773E+00	7.3629E+00	1.12794	3.15921E+02	5.36872E+00	2.76236E+00
96	248	0	18	Fission	3.70019E-01	3.7033E-01	1.00083	1.12774E+01	1.23978E+00	2.68000E+00
96	248	0	102	n,gamma	2.57035E+00	2.5761E+00	1.00223	2.59804E+02	5.43615E-02	1.04677E-09

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Cm249 Material number (MAT) = 9652										
96	249	0	1	Total	1.32420E+01	1.4632E+01	1.10494	5.63968E+02	8.11859E+00	5.83633E+00
96	249	0	2	Elastic	1.08219E+01	1.2211E+01	1.12838	2.20366E+02	4.84935E+00	2.76623E+00
96	249	0	18	Fission	8.20047E-01	8.2017E-01	1.00015	1.27720E+02	2.22040E+00	2.40000E+00
96	249	0	102	n,gamma	1.60008E+00	1.6002E+00	1.00010	2.15302E+02	2.87577E-02	2.20257E-10
Cm250 Material number (MAT) = 9655										
96	250	0	1	Total	1.12238E+01	1.2613E+01	1.12378	2.07283E+02	8.14233E+00	5.86435E+00
96	250	0	2	Elastic	1.08218E+01	1.2211E+01	1.12838	1.98105E+02	5.36218E+00	2.78781E+00
96	250	0	18	Fission	2.00010E-03	2.0003E-03	1.00008	6.22157E-01	1.24013E+00	2.68000E+00
96	250	0	102	n,gamma	4.00020E-01	4.0005E-01	1.00007	8.15507E+00	1.30410E-02	6.10585E-09
Bk249 Material number (MAT) = 9752										
97	249	0	1	Total	7.57163E+02	1.1151E+03	1.47278	1.32410E+03	8.11351E+00	5.82734E+00
97	249	0	2	Elastic	7.84270E+00	8.7787E+00	1.11934	1.89630E+02	5.05205E+00	2.75905E+00
97	249	0	18	Fission	3.99223E+00	5.9756E+00	1.49681	6.48775E+00	9.94602E-01	2.60260E+00
97	249	0	102	n,gamma	7.45328E+02	1.1004E+03	1.47637	1.12726E+03	1.69321E-01	2.72620E-04
Bk250 Material number (MAT) = 9755										
97	250	0	1	Total	1.32392E+03	1.2524E+03	0.94596	8.45297E+02	8.14713E+00	5.82722E+00
97	250	0	2	Elastic	1.22452E+01	1.3505E+01	1.10291	1.40554E+02	4.83050E+00	2.75066E+00
97	250	0	18	Fission	9.58534E+02	9.0533E+02	0.94450	5.05508E+02	2.04064E+00	2.08320E+00
97	250	0	102	n,gamma	3.53144E+02	3.3354E+02	0.94450	1.98917E+02	3.24295E-02	8.02853E-09
Cf249 Material number (MAT) = 9852										
98	249	0	1	Total	2.14356E+03	2.0967E+03	0.97813	3.11350E+03	8.11547E+00	5.82808E+00
98	249	0	2	Elastic	1.37563E+01	1.4973E+01	1.08843	1.60696E+02	4.91492E+00	2.74710E+00
98	249	0	18	Fission	1.63334E+03	1.5989E+03	0.97892	2.38069E+03	1.77907E+00	2.49720E+00
98	249	0	102	n,gamma	4.96463E+02	4.8280E+02	0.97248	5.72087E+02	2.15995E-01	3.61600E-04
Cf250 Material number (MAT) = 9855										
98	250	0	1	Total	1.62146E+03	1.6446E+03	1.01428	1.18596E+04	8.06914E+00	5.89300E+00
98	250	0	2	Elastic	1.01749E+01	1.1334E+01	1.11388	6.35218E+02	4.57844E+00	2.59200E+00
98	250	0	18	Fission	0.00000E+00	0.0000E+00	0.00000	6.58599E-01	1.96882E+00	2.50000E+00
98	250	0	102	n,gamma	1.61129E+03	1.6333E+03	1.01365	1.12237E+04	7.82219E-02	1.00000E-03

Table 7. Table of simple integral neutron cross-section data from JEFF-3.0 (cont.)

Thermal spectra temperature (E_0) = 2.5310^{-2} eV

Z	A	LISO	MT	Reaction	σ (2200 m/s)	Avg σ [1E-5 to 10]eV	G fact (Avg σ) / $\sigma(E_0)$	Avg Res Integ [5E-1 to 1E+5]eV	Avg σ Fiss [1E+3 to 2E+7]eV	$\sigma(E14)$ 1.4E+7eV
Cf251 Material number (MAT) = 9858										
98	251	0	1	Total	8.19533E+03	8.1689E+03	0.99677	6.80549E+03	7.91154E+00	5.76435E+00
98	251	0	2	Elastic	1.21117E+01	1.3850E+01	1.14351	3.04380E+02	4.57816E+00	2.59200E+00
98	251	0	18	Fission	5.32154E+03	5.3108E+03	0.99797	4.88748E+03	1.71684E+00	2.40000E+00
98	251	0	102	n,gamma	2.86167E+03	2.8443E+03	0.99392	1.61359E+03	7.80519E-02	1.00000E-03
Cf252 Material number (MAT) = 9861										
98	252	0	1	Total	6.37707E+01	6.4674E+01	1.01416	3.29695E+02	7.83771E+00	5.75080E+00
98	252	0	2	Elastic	1.11084E+01	1.2503E+01	1.12554	1.71316E+02	4.71330E+00	2.60000E+00
98	252	0	18	Fission	3.21710E+01	3.1873E+01	0.99074	1.11215E+02	1.89698E+00	2.53636E+00
98	252	0	102	n,gamma	2.04912E+01	2.0297E+01	0.99054	4.71488E+01	4.18572E-02	8.00000E-04
Cf254 Material number (MAT) = 9867										
98	254	0	1	Total	1.71213E+01	1.8485E+01	1.07966	1.97176E+02	8.30200E+00	5.86983E+00
98	254	0	2	Elastic	1.06210E+01	1.1985E+01	1.12838	1.76554E+02	5.25792E+00	2.76645E+00
98	254	0	18	Fission	2.00009E+00	2.0001E+00	1.00002	1.37979E+01	2.14703E+00	2.65920E+00
98	254	0	102	n,gamma	4.50023E+00	4.5006E+00	1.00009	6.47064E+00	6.63967E-03	2.33501E-09
Es254 Material number (MAT) = 9914										
99	254	0	1	Total	2.00489E+03	2.0051E+03	1.00012	1.37048E+03	8.30481E+00	5.86983E+00
99	254	0	2	Elastic	1.06210E+01	1.1985E+01	1.12838	1.47761E+02	5.16729E+00	2.76645E+00
99	254	0	18	Fission	1.96610E+03	1.9662E+03	1.00007	1.20539E+03	2.18263E+00	2.22900E+00
99	254	0	102	n,gamma	2.81659E+01	2.6906E+01	0.95527	1.73300E+01	6.90627E-02	1.86848E-09
Es255 Material number (MAT) = 9915										
99	255	0	1	Total	7.90545E+01	8.0424E+01	1.01733	5.54639E+02	8.34000E+00	5.88100E+00
99	255	0	2	Elastic	1.06210E+01	1.1984E+01	1.12838	1.94704E+02	5.26819E+00	2.77075E+00
99	255	0	18	Fission	1.34307E+01	1.3433E+01	1.00013	8.23169E+01	2.23651E+00	2.77000E+00
99	255	0	102	n,gamma	5.50028E+01	5.5007E+01	1.00009	2.77306E+02	4.00931E-02	1.77280E-09