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Table 1: TART95 Neutron Evaluations

ZA	Isotope/ Element	Atomic Weight	ZA	Isotope/ Element	Atomic Weight	ZA	Isotope/ Element	Atomic Weight
1	Neutron	1.0087E+00	29000	29-Cu-Nat	6.3546E+01	92233	92-U -233	2.3304E+02
1001	1-H -1	1.0078E+00	30000	30-Zn-Nat	6.5380E+01	92234	92-U -234	2.3404E+02
1002	1-H -2	2.0141E+00	31000	31-Ga-Nat	6.9720E+01	92235	92-U -235	2.3504E+02
1003	1-H -3	3.0161E+00	33074	33-As-74	7.3924E+01	92236	92-U -236	2.3605E+02
2003	2-He-3	3.0160E+00	33075	33-As-75	7.4922E+01	92237	92-U -237	2.3705E+02
2004	2-He-4	4.0026E+00	39088	39-Y -88	8.7910E+01	92238	92-U -238	2.3805E+02
3006	3-Li-6	6.0151E+00	39089	39-Y -89	8.8906E+01	92239	92-U -239	2.3905E+02
3007	3-Li-7	7.0160E+00	40000	40-Zr-Nat	9.1220E+01	92240	92-U -240	2.4006E+02
4007	4-Be-7	7.0169E+00	41093	41-Nb-93	9.2906E+01	93235	93-Np-235	2.3504E+02
4009	4-Be-9	9.0122E+00	42000	42-Mo-Nat	9.5940E+01	93236	93-Np-236	2.3605E+02
5010	5-B -10	1.0013E+01	47107	47-Ag-107	1.0690E+02	93237	93-Np-237	2.3705E+02
5011	5-B -11	1.1009E+01	47109	47-Ag-109	1.0890E+02	93238	93-Np-238	2.3805E+02
6012	6-C -12	1.2000E+01	48000	48-Cd-Nat	1.1241E+02	94237	94-Pu-237	2.3705E+02
6013	6-C -13	1.3003E+01	49000	49-In-Nat	1.1482E+02	94238	94-Pu-238	2.3805E+02
7014	7-N -14	1.4003E+01	50000	50-Sn-Nat	1.1869E+02	94239	94-Pu-239	2.3905E+02
7015	7-N -15	1.5000E+01	51000	51-Sb-Nat	1.2175E+02	94240	94-Pu-240	2.4005E+02
8016	8-O -16	1.5995E+01	53127	53-I -127	1.2690E+02	94241	94-Pu-241	2.4106E+02
9019	9-F -19	1.8998E+01	54000	54-Xe-Nat	1.3130E+02	94242	94-Pu-242	2.4206E+02
10020	10-Ne-20	1.9992E+01	54134	54-Xe-134	1.3390E+02	94243	94-Pu-243	2.4306E+02
11023	11-Na-23	2.2990E+01	56138	56-Ba-138	1.3790E+02	95241	95-Am-241	2.4106E+02
12000	12-Mg-Nat	2.4305E+01	63000	63-Eu-Nat	1.5196E+02	95242	95-Am-242	2.4206E+02
13027	13-Al-27	2.6982E+01	64000	64-Gd-Nat	1.5725E+02	95243	95-Am-243	2.4306E+02
14000	14-Si-Nat	2.8086E+01	67165	67-Ho-165	1.6493E+02	96242	96-Cm-242	2.4206E+02
15031	15-P -31	3.0974E+01	72000	72-Hf-Nat	1.7849E+02	96243	96-Cm-243	2.4306E+02
16032	16-S -32	3.1972E+01	73181	73-Ta-181	1.8095E+02	96244	96-Cm-244	2.4406E+02
17000	17-Cl-Nat	3.5453E+01	74000	74-W -Nat	1.8385E+02	96245	96-Cm-245	2.4507E+02
18000	18-Ar-Nat	3.9948E+01	75185	75-Re-185	1.8495E+02	96246	96-Cm-246	2.4607E+02
19000	19-K -Nat	3.9098E+01	75187	75-Re-187	1.8696E+02	96247	96-Cm-247	2.4707E+02
20000	20-Ca-Nat	4.0080E+01	78000	78-Pt-Nat	1.9509E+02	96248	96-Cm-248	2.4807E+02
22000	22-Ti-Nat	4.7900E+01	79197	79-Au-197	1.9697E+02	97249	97-Bk-249	2.4907E+02
23051	23-V -51	5.0944E+01	80000	80-Hg-Nat	2.0059E+02	98249	98-Cf-249	2.4907E+02
24000	24-Cr-Nat	5.1996E+01	82000	82-Pb-Nat	2.0720E+02	98250	98-Cf-250	2.5008E+02
25055	25-Mn-55	5.4938E+01	83209	83-Bi-209	2.0898E+02	98251	98-Cf-251	2.5108E+02
26000	26-Fe-Nat	5.5847E+01	90231	90-Th-231	2.3104E+02	98252	98-Cf-252	2.5208E+02
27059	27-Co-59	5.8933E+01	90232	90-Th-232	2.3204E+02	99120	Fiss.Prod.1	1.1750E+02
28000	28-Ni-Nat	5.8700E+01	90233	90-Th-233	2.3304E+02	99125	Fiss.Prod.2	1.1750E+02
28058	28-Ni-58	5.7935E+01	91233	91-Pa-233	2.3304E+02			

Table 2: TART95 Photon Evaluations

ZA	Element	Atomic Weight	ZA	Element	Atomic Weight	ZA	Element	Atomic Weight
1000	1-H -Nat	1.0080E+00	34000	34-Se-Nat	7.8960E+01	67000	67-Ho-Nat	1.6493E+02
2000	2-He-Nat	4.0026E+00	35000	35-Br-Nat	7.9909E+01	68000	68-Er-Nat	1.6726E+02
3000	3-Li-Nat	6.9390E+00	36000	36-Kr-Nat	8.3800E+01	69000	69-Tm-Nat	1.6893E+02
4000	4-Be-Nat	9.0122E+00	37000	37-Rb-Nat	8.5470E+01	70000	70-Yb-Nat	1.7304E+02
5000	5-B -Nat	1.0811E+01	38000	38-Sr-Nat	8.7620E+01	71000	71-Lu-Nat	1.7497E+02
6000	6-C -Nat	1.2011E+01	39000	39-Y -Nat	8.8905E+01	72000	72-Hf-Nat	1.7849E+02
7000	7-N -Nat	1.4007E+01	40000	40-Zr-Nat	9.1220E+01	73000	73-Ta-Nat	1.8095E+02
8000	8-O -Nat	1.5999E+01	41000	41-Nb-Nat	9.2906E+01	74000	74-W -Nat	1.8385E+02
9000	9-F -Nat	1.8998E+01	42000	42-Mo-Nat	9.5940E+01	75000	75-Re-Nat	1.8620E+02
10000	10-Ne-Nat	2.0179E+01	43000	43-Tc-Nat	9.9000E+01	76000	76-Os-Nat	1.9020E+02
11000	11-Na-Nat	2.2990E+01	44000	44-Ru-Nat	1.0170E+02	77000	77-Ir-Nat	1.9220E+02
12000	12-Mg-Nat	2.4312E+01	45000	45-Rh-Nat	1.0290E+02	78000	78-Pt-Nat	1.9509E+02
13000	13-Al-Nat	2.6982E+01	46000	46-Pd-Nat	1.0640E+02	79000	79-Au-Nat	1.9697E+02
14000	14-Si-Nat	2.8086E+01	47000	47-Ag-Nat	1.0787E+02	80000	80-Hg-Nat	2.0059E+02
15000	15-P -Nat	3.0974E+01	48000	48-Cd-Nat	1.1240E+02	81000	81-Tl-Nat	2.0437E+02
16000	16-S -Nat	3.2064E+01	49000	49-In-Nat	1.1482E+02	82000	82-Pb-Nat	2.0719E+02
17000	17-Cl-Nat	3.5453E+01	50000	50-Sn-Nat	1.1869E+02	83000	83-Bi-Nat	2.0898E+02
18000	18-Ar-Nat	3.9948E+01	51000	51-Sb-Nat	1.2175E+02	84000	84-Po-Nat	2.0900E+02
19000	19-K -Nat	3.9102E+01	52000	52-Te-Nat	1.2760E+02	85000	85-At-Nat	2.1000E+02
20000	20-Ca-Nat	4.0080E+01	53000	53-I -Nat	1.2690E+02	86000	86-Rn-Nat	2.2200E+02
21000	21-Sc-Nat	4.4958E+01	54000	54-Xe-Nat	1.3130E+02	87000	87-Fr-Nat	2.2300E+02
22000	22-Ti-Nat	4.7900E+01	55000	55-Cs-Nat	1.3290E+02	88000	88-Ra-Nat	2.2600E+02
23000	23-V -Nat	5.0942E+01	56000	56-Ba-Nat	1.3734E+02	89000	89-Ac-Nat	2.2700E+02
24000	24-Cr-Nat	5.1996E+01	57000	57-La-Nat	1.3891E+02	90000	90-Th-Nat	2.3204E+02
25000	25-Mn-Nat	5.4938E+01	58000	58-Ce-Nat	1.4012E+02	91000	91-Pa-Nat	2.3300E+02
26000	26-Fe-Nat	5.5847E+01	59000	59-Pr-Nat	1.4091E+02	92000	92-U -Nat	2.3805E+02
27000	27-Co-Nat	5.8933E+01	60000	60-Nd-Nat	1.4424E+02	93000	93-Np-Nat	2.3700E+02
28000	28-Ni-Nat	5.8710E+01	61000	61-Pm-Nat	1.4500E+02	94000	94-Pu-Nat	2.3905E+02
29000	29-Cu-Nat	6.3540E+01	62000	62-Sm-Nat	1.5035E+02	95000	95-Am-Nat	2.4200E+02
30000	30-Zn-Nat	6.5370E+01	63000	63-Eu-Nat	1.5196E+02	96000	96-Cm-Nat	2.4700E+02
31000	31-Ga-Nat	6.9720E+01	64000	64-Gd-Nat	1.5725E+02	97000	97-Bk-Nat	2.4700E+02
32000	32-Ge-Nat	7.2590E+01	65000	65-Tb-Nat	1.5892E+02	98000	98-Cf-Nat	2.5100E+02
33000	33-As-Nat	7.4922E+01	66000	66-Dy-Nat	1.6250E+02	99000	Fiss.Prod.	1.1750E+02

Table 3: TART95 175 Neutron Group Boundaries

Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)
1	1.307E-09	36	2.940E-05	71	1.338E-04	106	2.646E-02	141	4.069E+00
2	5.227E-09	37	3.099E-05	72	1.406E-04	107	3.267E-02	142	4.396E+00
3	2.091E-08	38	3.345E-05	73	1.511E-04	108	3.953E-02	143	4.704E+00
4	3.267E-08	39	3.601E-05	74	1.601E-04	109	4.704E-02	144	4.991E+00
5	4.704E-08	40	3.866E-05	75	1.694E-04	110	5.762E-02	145	5.352E+00
6	8.321E-08	41	4.048E-05	76	1.789E-04	111	7.002E-02	146	5.658E+00
7	1.307E-07	42	4.234E-05	77	1.887E-04	112	8.321E-02	147	6.043E+00
8	1.882E-07	43	4.328E-05	78	1.988E-04	113	9.891E-02	148	6.367E+00
9	2.561E-07	44	4.619E-05	79	2.091E-04	114	1.307E-01	149	6.737E+00
10	3.345E-07	45	4.717E-05	80	2.741E-04	115	1.820E-01	150	7.156E+00
11	4.234E-07	46	4.918E-05	81	3.267E-04	116	2.075E-01	151	7.548E+00
12	5.123E-07	47	5.123E-05	82	3.810E-04	117	2.417E-01	152	7.910E+00
13	7.527E-07	48	5.332E-05	83	4.704E-04	118	2.710E-01	153	8.321E+00
14	1.176E-06	49	5.654E-05	84	4.991E-04	119	2.940E-01	154	8.787E+00
15	1.511E-06	50	5.763E-05	85	5.658E-04	120	3.345E-01	155	9.177E+00
16	2.091E-06	51	6.097E-05	86	6.043E-04	121	3.776E-01	156	9.665E+00
17	2.741E-06	52	6.325E-05	87	6.367E-04	122	4.234E-01	157	1.012E+01
18	3.533E-06	53	6.557E-05	88	7.156E-04	123	5.123E-01	158	1.059E+01
19	4.704E-06	54	6.674E-05	89	8.321E-04	124	6.325E-01	159	1.101E+01
20	5.658E-06	55	7.034E-05	90	9.177E-04	125	7.527E-01	160	1.155E+01
21	6.737E-06	56	7.155E-05	91	1.059E-03	126	8.834E-01	161	1.199E+01
22	8.321E-06	57	7.527E-05	92	1.307E-03	127	1.025E+00	162	1.250E+01
23	9.620E-06	58	7.780E-05	93	1.581E-03	128	1.176E+00	163	1.307E+01
24	1.101E-05	59	7.908E-05	94	1.882E-03	129	1.338E+00	164	1.354E+01
25	1.307E-05	60	8.167E-05	95	2.208E-03	130	1.511E+00	165	1.386E+01
26	1.468E-05	61	8.431E-05	96	2.561E-03	131	1.694E+00	166	1.413E+01
27	1.581E-05	62	8.834E-05	97	2.940E-03	132	1.887E+00	167	1.441E+01
28	1.758E-05	63	9.108E-05	98	3.345E-03	133	2.091E+00	168	1.468E+01
29	1.882E-05	64	9.386E-05	99	3.777E-03	134	2.305E+00	169	1.519E+01
30	2.075E-05	65	9.668E-05	100	4.234E-03	135	2.530E+00	170	1.575E+01
31	2.277E-05	66	9.811E-05	101	5.763E-03	136	2.741E+00	171	1.633E+01
32	2.417E-05	67	1.025E-04	102	7.527E-03	137	3.011E+00	172	1.692E+01
33	2.561E-05	68	1.099E-04	103	1.025E-02	138	3.267E+00	173	1.752E+01
34	2.710E-05	69	1.176E-04	104	1.511E-02	139	3.533E+00	174	1.813E+01
35	2.862E-05	70	1.256E-04	105	2.091E-02	140	3.810E+00	175	1.875E+01
									2.000E+01

Table 4: TART95 Neutron Default 50 Tally Group Limits (Note, these are compared to 175 group limits)

Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)
1	1.307E-09	8	2.940E-05	15	1.338E-04	22	2.646E-02	35	4.069E+00
	5.227E-09		3.099E-05		1.406E-04		3.267E-02		4.396E+00
	2.091E-08		3.345E-05		1.511E-04		3.953E-02	36	4.704E+00
	3.267E-08		3.601E-05		1.601E-04		4.704E-02		4.991E+00
	4.704E-08		3.866E-05		1.694E-04		5.762E-02	37	5.352E+00
2	8.321E-08	9	4.048E-05	16	1.789E-04	23	7.002E-02		5.658E+00
	1.307E-07		4.234E-05		1.887E-04		8.321E-02	38	6.043E+00
	1.882E-07		4.328E-05		1.988E-04		9.891E-02		6.367E+00
	2.561E-07		4.619E-05		2.091E-04		1.307E-01	39	6.737E+00
	3.345E-07		4.717E-05		2.741E-04		1.820E-01		7.156E+00
3	4.234E-07	10	4.918E-05	17	3.267E-04	24	2.075E-01	40	7.548E+00
	5.123E-07		5.123E-05		3.810E-04		2.417E-01		7.910E+00
	7.527E-07		5.332E-05		4.704E-04		2.710E-01	41	8.321E+00
	1.176E-06		5.654E-05		4.991E-04		2.940E-01		8.787E+00
	1.511E-06		5.763E-05		5.658E-04		3.345E-01	42	9.177E+00
4	2.091E-06	11	6.097E-05	18	6.043E-04	25	3.776E-01		9.665E+00
	2.741E-06		6.325E-05		6.367E-04		4.234E-01	43	1.012E+01
	3.533E-06		6.557E-05		7.156E-04	26	5.123E-01		1.059E+01
	4.704E-06		6.674E-05		8.321E-04		6.325E-01	44	1.101E+01
	5.658E-06		7.034E-05		9.177E-04	27	7.527E-01		1.155E+01
5	6.737E-06	12	7.155E-05	19	1.059E-03		8.834E-01	45	1.199E+01
	8.321E-06		7.527E-05		1.307E-03	28	1.025E+00		1.250E+01
	9.620E-06		7.780E-05		1.581E-03		1.176E+00	46	1.307E+01
	1.101E-05		7.908E-05		1.882E-03	29	1.338E+00		1.354E+01
	1.307E-05		8.167E-05		2.208E-03		1.511E+00	47	1.386E+01
6	1.468E-05	13	8.431E-05	20	2.561E-03	30	1.694E+00	48	1.413E+01
	1.581E-05		8.834E-05		2.940E-03		1.887E+00	49	1.441E+01
	1.758E-05		9.108E-05		3.345E-03	31	2.091E+00		1.468E+01
	1.882E-05		9.386E-05		3.777E-03		2.305E+00	50	1.519E+01
	2.075E-05		9.668E-05		4.234E-03	32	2.530E+00		1.575E+01
7	2.277E-05	14	9.811E-05	21	5.763E-03		2.741E+00		1.633E+01
	2.417E-05		1.025E-04		7.527E-03	33	3.011E+00		1.692E+01
	2.561E-05		1.099E-04		1.025E-02		3.267E+00		1.752E+01
	2.710E-05		1.176E-04		1.511E-02	34	3.533E+00		1.813E+01
	2.862E-05		1.256E-04		2.091E-02		3.810E+00		1.875E+01
									2.000E+01

Table 5: TART95 176 Photon Energy Points

Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)
1	1.000E-04	36	1.559E-03	71	8.180E-03	106	4.200E-02	141	3.505E-01
2	1.089E-04	37	1.700E-03	72	8.383E-03	107	4.736E-02	142	3.855E-01
3	1.103E-04	38	1.838E-03	73	8.600E-03	108	4.851E-02	143	4.241E-01
4	1.466E-04	39	1.910E-03	74	8.982E-03	109	5.023E-02	144	4.665E-01
5	1.500E-04	40	2.142E-03	75	9.200E-03	110	5.500E-02	145	5.132E-01
6	2.000E-04	41	2.240E-03	76	9.400E-03	111	6.100E-02	146	5.645E-01
7	2.158E-04	42	2.410E-03	77	9.560E-03	112	6.745E-02	147	6.209E-01
8	2.172E-04	43	2.470E-03	78	9.660E-03	113	6.746E-02	148	6.830E-01
9	2.501E-04	44	2.630E-03	79	9.800E-03	114	6.951E-02	149	7.513E-01
10	2.515E-04	45	2.750E-03	80	1.001E-02	115	7.350E-02	150	8.264E-01
11	3.000E-04	46	2.820E-03	81	1.039E-02	116	7.835E-02	151	9.091E-01
12	3.244E-04	47	2.960E-03	82	1.075E-02	117	8.067E-02	152	1.000E+00
13	3.847E-04	48	3.180E-03	83	1.114E-02	118	8.552E-02	153	1.125E+00
14	3.881E-04	49	3.547E-03	84	1.192E-02	119	8.795E-02	154	1.266E+00
15	4.000E-04	50	3.606E-03	85	1.265E-02	120	9.054E-02	155	1.424E+00
16	4.374E-04	51	3.700E-03	86	1.303E-02	121	9.230E-02	156	1.602E+00
17	4.390E-04	52	3.828E-03	87	1.386E-02	122	9.600E-02	157	1.802E+00
18	5.000E-04	53	4.030E-03	88	1.470E-02	123	1.000E-01	158	2.027E+00
19	5.500E-04	54	4.150E-03	89	1.520E-02	124	1.050E-01	159	2.281E+00
20	5.943E-04	55	4.300E-03	90	1.571E-02	125	1.097E-01	160	2.566E+00
21	5.947E-04	56	4.496E-03	91	1.639E-02	126	1.098E-01	161	2.887E+00
22	6.000E-04	57	4.810E-03	92	1.700E-02	127	1.149E-01	162	3.247E+00
23	6.836E-04	58	5.163E-03	93	1.716E-02	128	1.150E-01	163	3.653E+00
24	6.850E-04	59	5.467E-03	94	1.806E-02	129	1.211E-01	164	4.110E+00
25	7.000E-04	60	5.546E-03	95	1.898E-02	130	1.212E-01	165	4.624E+00
26	7.541E-04	61	5.934E-03	96	1.967E-02	131	1.351E-01	166	5.202E+00
27	7.555E-04	62	5.980E-03	97	2.010E-02	132	1.486E-01	167	5.852E+00
28	8.000E-04	63	6.250E-03	98	2.095E-02	133	1.635E-01	168	6.583E+00
29	8.197E-04	64	6.543E-03	99	2.175E-02	134	1.799E-01	169	7.406E+00
30	8.211E-04	65	6.750E-03	100	2.225E-02	135	1.978E-01	170	8.332E+00
31	9.000E-04	66	6.980E-03	101	2.312E-02	136	2.176E-01	171	9.373E+00
32	1.000E-03	67	7.113E-03	102	2.553E-02	137	2.394E-01	172	1.055E+01
33	1.080E-03	68	7.251E-03	103	2.918E-02	138	2.633E-01	173	1.186E+01
34	1.140E-03	69	7.713E-03	104	3.316E-02	139	2.897E-01	174	1.335E+01
35	1.360E-03	70	7.942E-03	105	3.750E-02	140	3.186E-01	175	2.000E+01
								176	3.000E+01

Table 6: TART95 Photon Default 50 Tally Group Limits (Note, these are compared to 176 Energy Points)

Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)
1	1.000E-04		1.559E-03	14	8.180E-03		4.200E-02		3.505E-01
	1.089E-04		1.700E-03		8.383E-03	26	4.736E-02		3.855E-01
	1.103E-04	3	1.838E-03		8.600E-03		4.851E-02	38	4.241E-01
	1.466E-04		1.910E-03	15	8.982E-03		5.023E-02		4.665E-01
	1.500E-04		2.142E-03		9.200E-03	27	5.500E-02		5.132E-01
	2.000E-04	4	2.240E-03		9.400E-03		6.100E-02	39	5.645E-01
	2.158E-04		2.410E-03	16	9.560E-03		6.745E-02		6.209E-01
	2.172E-04		2.470E-03		9.660E-03	28	6.746E-02		6.830E-01
	2.501E-04	5	2.630E-03		9.800E-03		6.951E-02	40	7.513E-01
	2.515E-04		2.750E-03	17	1.001E-02		7.350E-02		8.264E-01
	3.000E-04		2.820E-03		1.039E-02	29	7.835E-02		9.091E-01
	3.244E-04	6	2.960E-03		1.075E-02		8.067E-02	41	1.000E+00
	3.847E-04		3.180E-03	18	1.114E-02		8.552E-02		1.125E+00
	3.881E-04		3.547E-03		1.192E-02	30	8.795E-02		1.266E+00
	4.000E-04	7	3.606E-03		1.265E-02		9.054E-02	42	1.424E+00
	4.374E-04		3.700E-03	19	1.303E-02		9.230E-02		1.602E+00
	4.390E-04		3.828E-03		1.386E-02	31	9.600E-02		1.802E+00
	5.000E-04	8	4.030E-03		1.470E-02		1.000E-01	43	2.027E+00
	5.500E-04		4.150E-03	20	1.520E-02		1.050E-01		2.281E+00
	5.943E-04		4.300E-03		1.571E-02	32	1.097E-01		2.566E+00
	5.947E-04	9	4.496E-03		1.639E-02		1.098E-01	44	2.887E+00
	6.000E-04		4.810E-03	21	1.700E-02		1.149E-01		3.247E+00
	6.836E-04		5.163E-03		1.716E-02	33	1.150E-01		3.653E+00
	6.850E-04	10	5.467E-03		1.806E-02		1.211E-01	45	4.110E+00
	7.000E-04		5.546E-03	22	1.898E-02		1.212E-01		4.624E+00
	7.541E-04		5.934E-03		1.967E-02	34	1.351E-01	46	5.202E+00
	7.555E-04	11	5.980E-03		2.010E-02		1.486E-01		5.852E+00
	8.000E-04		6.250E-03	23	2.095E-02		1.635E-01	47	6.583E+00
	8.197E-04		6.543E-03		2.175E-02	35	1.799E-01		7.406E+00
	8.211E-04	12	6.750E-03		2.225E-02		1.978E-01	48	8.332E+00
	9.000E-04		6.980E-03	24	2.312E-02		2.176E-01		9.373E+00
	1.000E-03		7.113E-03		2.553E-02	36	2.394E-01	49	1.055E+01
	1.080E-03	13	7.251E-03		2.918E-02		2.633E-01		1.186E+01
	1.140E-03		7.713E-03	25	3.316E-02		2.897E-01	50	1.335E+01
2	1.360E-03		7.942E-03		3.750E-02	37	3.186E-01		2.000E+01
									3.000E+01

Table 7: Limits for Tally Types 7, 8, 9 and 10

Neutron Energy Tally Group Limits

Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)
1	1.307E-09	5	2.075E-01	9	7.548E+00
2	6.737E-06	6	1.025E+00	10	1.012E+01
3	1.338E-04	7	3.011E+00	11	1.199E+01
4	1.059E-03	8	5.352E+00	12	1.413E+01
					2.000E+01

Photon Energy Tally Group Limits

Index	Energy (MeV)	Index	Energy (MeV)	Index	Energy (MeV)
1	1.000E-04	5	2.312E-02	9	7.513E-01
2	2.630E-03	6	6.746E-02	10	2.027E+00
3	8.982E-03	7	1.150E-01	11	4.110E+00
4	1.303E-03	8	3.186E-01	12	8.332E+00
					3.000E+01

Cosines of Angular Distribution Limits

Index	Cosine	Index	Cosine	Index	Cosine	Index	Cosine
1	1.00	6	0.72	11	-0.05	16	-0.82
2	0.98	7	0.60	12	-0.20	17	-0.90
3	0.95	8	0.40	13	-0.40	18	-0.95
4	0.90	9	0.20	14	-0.60	19	-0.98
5	0.82	10	0.05	15	-0.72		-1.00

Table 8: Isotope Reaction Numbers

Number	Reaction	Number	Reaction
100000	Elastic	270000	(n,n'3ag)
110000	(n,n'g)	270001	(n,n'3ag) Level
110001	(n,n'g) Level	290000	(n,2np)
120000	(n,2ng)	310000	(n,2np2a)
120001	(n,2ng) Level	320000	(n,2nda)
120008	(n,2ng) Correlated	350000	(n,dn')
120010	(n,2ng) Wide Level	400000	(n,pg)
130000	(n,3ng)	400001	(n,pg) Level
140000	(n,4ng)	410000	(n,dg)
150000	(n,Fission)	410001	(n,dg) Level
150700	Neutrons per Fission	420000	(n,tg)
200000	(n,n'pg)	420001	(n,tg) Level
220000	(n,n'dg)	430000	(n,t2ag)
220001	(n,n'dg) Level	450001	(n,ag) Level
240000	(n,n'tg)	460000	(n,g)
260000	(n,n'ag)		

n = Neutron
g = Gamma (Photon)
p = Proton
d = Deuteron
t = Triton
a = Alpha