

Comparison of Evaluated Data (COMPL0T 2014-1)

Description of Plotter and Frame Layout

Plotter X Dimensions----- 0.0000 to 13.0000
 Plotter Y Dimensions----- 0.0000 to 10.5000
 Plots per Frame (X by Y)----- 1 by 1
 Character Size Multiplier----- 1.50
 Plot Orientation----- X Horizontal/Y Vertical

Data Filenames

Data1=IRDFE-v1-05.pen
 Data2=F:\backup\c\Projects\CRP_NAA\NAA1ib\endfb_71_300k.pen

Retrieval Criteria----- MAT
 Grid Type----- Tick Marks
 Border on Plots----- No
 Line Thickness----- 0
 Plot Mode----- Cross Section Plus Cross Section Over Ratio
 Starting Plot Number----- 1
 On Screen Background Color----white

Maximum Difference for Plots-- 0.0010 (0.1000 %)
 Maximum Ratio on Plots----- No Limit

Data Identifications

Data1=IRDFE
 Data2=ENDF/B-VII.1

Request Ranges

Minimum			Energy-eV	Maximum			Energy-eV	Identify POINTS	Interact
MAT	MF	MT		MAT	MF	MT			
1	1	1	0.0	9999	99	999	1.0000D+12	No	No
1	1	1	100000.000	9999	99	999	1.0000D+12	No	No

No Equivalences

ENDF/B Tape Labels

Data1= MRGMAT files on Directory of F:\Backup\C\Andrej\data\IRDFE 6000
 Data2=ENDF/B-VII.1 Activation cross sections 6000

Material	MAT	MF	MT	ZAP LSF Energy Range		Maximum per-cent Differences			
				Minimum ev	Maximum ev	Maximum Negative ev	per-cent	Maximum Positive ev	per-cent
3-Li-6	325	3	105	1.00000D-5	200000000.0	.070956946	-0.097	4.77547741	0.059
3-Li-6	325	3	105	100000.000	200000000.0	230000.000	-0.013	300000.000	0.016
5-B -Nat	500	3	1	No Comparable Data					
5-B -Nat	500	3	2	No Comparable Data					
5-B -Nat	500	3	101	No Comparable Data					
5-B -Nat	500	3	102	No Comparable Data					
5-B -Nat	500	3	103	No Comparable Data					
5-B -Nat	500	3	106	No Comparable Data					
5-B -Nat	500	3	107	No Comparable Data					
5-B -10	525	3	1	1.00000D-5	60000000.0	8100000.00	-0.010	1660000.00	0.010
5-B -10	525	3	1	100000.000	60000000.0	8100000.00	-0.010	1660000.00	0.010
5-B -10	525	3	2	1.00000D-5	60000000.0	.001185091	-0.010	4600000.00	0.010
5-B -10	525	3	2	100000.000	60000000.0	3000000.00	-0.010	4600000.00	0.010
5-B -10	525	3	107	1.00000D-5	60000000.0	2.80462D-5	-0.097	4.77547741	0.057
5-B -10	525	3	107	100000.000	60000000.0	15500000.0	-0.010	700000.000	0.015
5-B -10	525	3	800	1.00000D-5	60000000.0	2.80462D-5	-0.097	4.77547741	0.057
5-B -10	525	3	800	100000.000	60000000.0	250000.000	-0.010	700000.000	0.011
5-B -10	525	3	801	1.00000D-5	60000000.0	2.80462D-5	-0.097	4.77547741	0.057
5-B -10	525	3	801	100000.000	60000000.0	190000.000	-0.010	360000.000	0.010
9-F -19	925	3	16	10985900.0	60000000.0	12000000.0	-8.046*	11500000.0	32.653*
9-F -19	925	3	16	10985900.0	60000000.0	12000000.0	-8.046*	11500000.0	32.653*
11-Na-23	1125	3	1	1.00000D-5	60000000.0	564288.125	-1.571*	564071.563	1.865*
11-Na-23	1125	3	1	100000.000	60000000.0	564288.125	-1.571*	564071.563	1.865*
11-Na-23	1125	3	2	1.00000D-5	60000000.0	564288.125	-1.571*	564071.563	1.880*
11-Na-23	1125	3	2	100000.000	60000000.0	564288.125	-1.571*	564071.563	1.880*
11-Na-23	1125	3	16	12950000.0	60000000.0	14000000.0	16.959	13000000.0	100.000*
11-Na-23	1125	3	16	12950000.0	60000000.0	14000000.0	16.959	13000000.0	100.000*
11-Na-23	1125	3	102	1.00000D-5	60000000.0	143159.500	-0.285*	143174.500	0.253*
11-Na-23	1125	3	102	100000.000	60000000.0	143159.500	-0.285*	143174.500	0.253*
12-Mg-24	1225	3	103	4931130.00	60000000.0	7300001.00	-13.479*	5800001.00	484.618*

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12-Mg-24	1225	3	103	4931130.00	60000000.0	7300001.00	-13.479*	5800001.00	484.618*		
13-Al-27	1325	3	103	1896370.00	150000000.0	20000010.0	-100.000*	3330000.00	151.359*		
13-Al-27	1325	3	103	1896370.00	150000000.0	20000010.0	-100.000*	3330000.00	151.359*		
13-Al-27	1325	3	107	3247353.00	150000000.0	20000010.0	-100.000*	5700000.00	13.541*		
13-Al-27	1325	3	107	3247353.00	150000000.0	20000010.0	-100.000*	5700000.00	13.541*		
14-Si-28	1425	3	103	3999120.00	150000000.0	20000010.0	-100.000*	4350000.00	328.177*		
14-Si-28	1425	3	103	3999120.00	150000000.0	20000010.0	-100.000*	4350000.00	328.177*		
14-Si-29	1428	10	5	No Comparable Data							
15-P -31	1525	3	103	732260.000	150000000.0	20000010.0	-100.000*	2020000.00	83.283*		
15-P -31	1525	3	103	732260.000	150000000.0	20000010.0	-100.000*	2020000.00	83.283*		
16-S -32	1625	3	103	956895.000	60000000.0	1500000.00	-66.043*	2680000.00	61.375*		
16-S -32	1625	3	103	956895.000	60000000.0	1500000.00	-66.043*	2680000.00	61.375*		
21-Sc-45	2125	3	1	1.00000D-5	60000000.0	18870.5700	-99.933*	19087.0648	1183.325*		
21-Sc-45	2125	3	1	100000.000	60000000.0	100000.000	-50.415*	4551657.29	0.122*		
21-Sc-45	2125	3	2	1.00000D-5	60254290.0	18870.2048	-99.969*	19087.0648	1174.515*		
21-Sc-45	2125	3	2	100000.000	60254290.0	100000.000	-50.878*	1591000.00	0.162*		
21-Sc-45	2125	3	102	1.00000D-5	60000000.0	20000000.0	-99.999*	35997.2498	5450.213*		
21-Sc-45	2125	3	102	100000.000	60000000.0	20000000.0	-99.999*	100000.000	45.827*		
22-Ti-46	2225	3	16	13479300.0	200000000.0	20000000.0	-19.711*	14100000.0	23.346*		
22-Ti-46	2225	3	16	13479300.0	200000000.0	20000000.0	-19.711*	14100000.0	23.346*		
22-Ti-46	2225	3	103	1619080.00	200000000.0	4000000.00	-25.730*	2500000.00	1476.177*		
22-Ti-46	2225	3	103	1619080.00	200000000.0	4000000.00	-25.730*	2500000.00	1476.177*		
22-Ti-47	2228	3	103	.025300000	60000000.0	2280000.00	-38.430*	810000.000	9999.000*		
22-Ti-47	2228	3	103	100000.000	60000000.0	2280000.00	-38.430*	810000.000	9999.000*		
22-Ti-47	2228	10	5	No Comparable Data							
22-Ti-48	2231	3	103	3275600.00	60000000.0	4000000.00	-99.275*	4300000.00	497.153*		
22-Ti-48	2231	3	103	3275600.00	60000000.0	4000000.00	-99.275*	4300000.00	497.153*		
22-Ti-48	2231	10	5	No Comparable Data							
22-Ti-49	2234	10	5	No Comparable Data							
23-V -51	2328	3	107	2098750.00	60000000.0	3400000.00	-100.000*	10000000.0	17.100*		
23-V -51	2328	3	107	2098750.00	60000000.0	3400000.00	-100.000*	10000000.0	17.100*		
24-Cr-52	2431	3	16	12272790.0	150000000.0	20000010.0	-100.000*	13750000.0	6.559*		
24-Cr-52	2431	3	16	12272790.0	150000000.0	20000010.0	-100.000*	13750000.0	6.559*		
25-Mn-55	2525	3	1	1.00000D-5	60000000.0	107167.200	-0.327*	107162.500	0.339*		
25-Mn-55	2525	3	1	100000.000	60000000.0	107167.200	-0.327*	107162.500	0.339*		
25-Mn-55	2525	3	16	10413750.0	60000000.0	60000000.0	-29.677*	10700000.0	316.551*		
25-Mn-55	2525	3	16	10413750.0	60000000.0	60000000.0	-29.677*	10700000.0	316.551*		
25-Mn-55	2525	3	102	1.00000D-5	60000000.0	100550.600	-0.803*	100552.100	0.833*		
25-Mn-55	2525	3	102	100000.000	60000000.0	100550.600	-0.803*	100552.100	0.833*		
26-Fe-54	2625	3	16	13628680.0	150000000.0	20000010.0	-100.000*	14800000.0	34.575*		
26-Fe-54	2625	3	16	13628680.0	150000000.0	20000010.0	-100.000*	14800000.0	34.575*		
26-Fe-54	2625	3	103	.025300000	150000000.0	20000010.0	-100.000*	840000.100	322.498*		
26-Fe-54	2625	3	103	100000.000	150000000.0	20000010.0	-100.000*	840000.100	322.498*		
26-Fe-54	2625	3	107	.025300000	150000000.0	20000010.0	-100.000*	4200000.00	20.390*		
26-Fe-54	2625	3	107	100000.000	150000000.0	20000010.0	-100.000*	4200000.00	20.390*		
26-Fe-56	2631	3	103	2965500.00	150000000.0	20000010.0	-100.000*	3500000.00	9999.000*		
26-Fe-56	2631	3	103	2965500.00	150000000.0	20000010.0	-100.000*	3500000.00	9999.000*		
26-Fe-58	2637	3	1	1.00000D-5	200000000.0	31412.1600	-99.926*	34647.5800	9999.000*		
26-Fe-58	2637	3	1	100000.000	200000000.0	227984.700	-98.550*	119602.726	9999.000*		
26-Fe-58	2637	3	102	1.00000D-5	200000000.0	31411.9400	-99.920*	112000.000	9999.000*		
26-Fe-58	2637	3	102	100000.000	200000000.0	138140.100	-99.874*	112000.000	9999.000*		
27-Co-59	2725	3	1	1.00000D-5	60000000.0	539340.000	-4.700*	182106.407	4.524*		
27-Co-59	2725	3	1	100000.000	60000000.0	539340.000	-4.700*	182106.407	4.524*		
27-Co-59	2725	3	2	1.00000D-5	60127150.0	539340.000	-4.709*	20000000.0	6.223*		
27-Co-59	2725	3	2	100000.000	60127150.0	539340.000	-4.709*	20000000.0	6.223*		
27-Co-59	2725	3	16	10631000.0	60000100.0	11000000.0	-33.348*	11400000.0	5.768*		
27-Co-59	2725	3	16	10631000.0	60000100.0	11000000.0	-33.348*	11400000.0	5.768*		
27-Co-59	2725	3	17	No Comparable Data							
27-Co-59	2725	3	102	1.00000D-5	60000000.0	39764.1992	-0.494*	37181.0200	0.493*		
27-Co-59	2725	3	102	100000.000	60000000.0	150000.000	-0.139*	15000000.0	0.164*		
27-Co-59	2725	3	103	796353.000	75000000.0	2100000.00	-18.399*	2750000.00	32.434*		
27-Co-59	2725	3	103	796353.000	75000000.0	2100000.00	-18.399*	2750000.00	32.434*		
27-Co-59	2725	3	107	.025300000	60000000.0	4250000.00	-43.548*	5100000.00	9.375*		
27-Co-59	2725	3	107	100000.000	60000000.0	4250000.00	-43.548*	5100000.00	9.375*		
28-Ni-58	2825	3	16	12408000.0	150000000.0	20000010.0	-100.000*	13300000.0	13.538*		
28-Ni-58	2825	3	16	12408000.0	150000000.0	20000010.0	-100.000*	13300000.0	13.538*		
28-Ni-58	2825	3	103	.025300000	150000000.0	20000010.0	-100.000*	1000000.00	98.797*		
28-Ni-58	2825	3	103	100000.000	150000000.0	20000010.0	-100.000*	1000000.00	98.797*		
28-Ni-60	2831	3	103	2075800.00	150000000.0	20000010.0	-100.000*	20000000.0	49.148*		
28-Ni-60	2831	3	103	2075800.00	150000000.0	20000010.0	-100.000*	20000000.0	49.148*		
29-Cu-63	2925	3	1	1.00000D-5	150000000.0	19999537.4	-6.375*	120350.625	2.882*		
29-Cu-63	2925	3	1	100000.000	150000000.0	19999537.4	-6.375*	120350.625	2.882*		
29-Cu-63	2925	3	2	1.00000D-5	150000000.0	19999460.3	-23.836*	120350.625	2.898*		
29-Cu-63	2925	3	2	100000.000	150000000.0	19999460.3	-23.836*	120350.625	2.898*		
29-Cu-63	2925	3	16	11026000.0	150000000.0	20000010.0	-100.000*	11300000.0	24.370*		
29-Cu-63	2925	3	16	11026000.0	150000000.0	20000010.0	-100.000*	11300000.0	24.370*		
29-Cu-63	2925	3	102	1.00000D-5	150000000.0	20001689.7	-100.000*	35546.9300	0.519*		
29-Cu-63	2925	3	102	100000.000	150000000.0	20001689.7	-100.000*	900000.000	0.049		
29-Cu-63	2925	3	107	.025300000	150000000.0	20000010.0	-100.000*	2700000.00	180.203*		
29-Cu-63	2925	3	107	100000.000	150000000.0	20000010.0	-100.000*	2700000.00	180.203*		

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29-Cu-65	2931	3	16				10063000.0	150000000.0	20000010.0	-100.000*	10800000.0	10.289*
29-Cu-65	2931	3	16				10063000.0	150000000.0	20000010.0	-100.000*	10800000.0	10.289*
30-Zn-64	3025	3	103				1.00000000	600000000.0	1100000.00	-68.318*	20000000.0	3.343*
30-Zn-64	3025	3	103				100000.0000	600000000.0	1100000.00	-68.318*	20000000.0	3.343*
30-Zn-67	3034	3	103				1.00000D-5	200000000.0	800000.0000	-92.146*	1500000.00	461.933*
30-Zn-67	3034	3	103				100000.0000	200000000.0	800000.0000	-92.146*	1500000.00	461.933*
33-As-75	3325	3	16				10381160.0	600000000.0	105000000.0	-76.084*	10600000.0	27.072*
33-As-75	3325	3	16				10381160.0	600000000.0	105000000.0	-76.084*	10600000.0	27.072*
39-Y -89	3925	3	16				11604100.0	600000000.0	120000000.0	-21.006*	12600000.0	6.469*
39-Y -89	3925	3	16				11604100.0	600000000.0	120000000.0	-21.006*	12600000.0	6.469*
40-Zr-90	4025	3	16				12104000.0	600000000.0	200000000.0	-5.238*	12500000.0	17.960*
40-Zr-90	4025	3	16				12104000.0	600000000.0	200000000.0	-5.238*	12500000.0	17.960*
41-Nb-93	4125	3	1				1.00000D-5	150000000.0	5989.68600	-96.215*	192.955953	3152.625*
41-Nb-93	4125	3	1				100000.0000	150000000.0	20000377.5	-0.009	19999686.5	5.168*
41-Nb-93	4125	3	2				1.00000D-5	150000000.0	5989.76200	-96.282*	193.036800	2496.479*
41-Nb-93	4125	3	2				100000.0000	150000000.0	13499882.1	-0.001	60000000.0	0.010
41-Nb-93	4125	3	102				1.00000D-5	150000000.0	20000849.9	-100.000*	7446.16500	9999.000*
41-Nb-93	4125	3	102				100000.0000	150000000.0	20000849.9	-100.000*	5800000.00	1085.850*
41-Nb-93	4125	10	4	41093	1		31105.4000	150000000.0	20000000.0	-100.000*	400000.000	52.054*
41-Nb-93	4125	10	4	41093	1		100000.0000	150000000.0	20000000.0	-100.000*	400000.000	52.054*
41-Nb-93	4125	10	16				No Comparable Data					
41-Nb-93	4125	10	102				No Comparable Data					
42-Mo-92	4225	10	103				No Comparable Data					
45-Rh-103	4525	10	4				No Comparable Data					
47-Ag-109	4731	3	1				1.00000D-5	600000000.0	4840.76172	-92.490*	973.853000	872.848*
47-Ag-109	4731	3	1				100000.0000	600000000.0	364865.000	-7.601*	20000000.0	2.665*
47-Ag-109	4731	10	102				No Comparable Data					
48-Cd-Nat	4800	3	1				No Comparable Data					
48-Cd-Nat	4800	3	2				No Comparable Data					
48-Cd-Nat	4800	3	101				No Comparable Data					
48-Cd-Nat	4800	3	102				No Comparable Data					
48-Cd-Nat	4800	3	103				No Comparable Data					
48-Cd-Nat	4800	3	104				No Comparable Data					
48-Cd-Nat	4800	3	105				No Comparable Data					
48-Cd-Nat	4800	3	106				No Comparable Data					
48-Cd-Nat	4800	3	107				No Comparable Data					
49-In-113	4925	3	1				1.00000D-5	600000000.0	863.983600	-96.629*	657.068500	615.059*
49-In-113	4925	3	1				100000.0000	600000000.0	100000.000	-0.064	100000.000	0.063
49-In-113	4925	3	2				1.00000D-5	600000000.0	864.002700	-97.541*	657.677300	577.190*
49-In-113	4925	3	2				100000.0000	600000000.0	100000.000	-0.061	100000.000	0.058
49-In-113	4925	3	102				1.00000D-5	600000000.0	600.000000	-99.409*	2533.54300	9999.000*
49-In-113	4925	3	102				100000.0000	600000000.0	7000000.00	-74.707*	20000000.0	264.847*
49-In-113	4925	10	4				No Comparable Data					
49-In-113	4925	10	102				No Comparable Data					
49-In-115	4931	3	1				1.00000D-5	600000000.0	20000000.0	-2.745*	1662.46700	0.110*
49-In-115	4931	3	1				100000.0000	600000000.0	20000000.0	-2.745*	16533270.0	0.000
49-In-115	4931	3	2				1.00000D-5	600000000.0	20000000.0	-17.076*	1662.84200	0.105*
49-In-115	4931	3	2				100000.0000	600000000.0	20000000.0	-17.076*	3317467.00	0.000
49-In-115	4931	3	102				1.00000D-5	600000000.0	1856526.74	-21.446*	20000000.0	240.540*
49-In-115	4931	3	102				100000.0000	600000000.0	1856526.74	-21.446*	20000000.0	240.540*
49-In-115	4931	10	4				No Comparable Data					
49-In-115	4931	10	16				No Comparable Data					
49-In-115	4931	10	102	49116	0		No Comparable Data					
49-In-115	4931	10	102	49116	2		No Comparable Data					
53-I -127	5325	3	16				9210020.00	600000000.0	15500000.0	-2.450*	30000000.0	216.346*
53-I -127	5325	3	16				9210020.00	600000000.0	15500000.0	-2.450*	30000000.0	216.346*
57-La-139	5728	3	1				1.00000D-5	600000000.0	3477.12799	-99.146*	8023.47576	741.076*
57-La-139	5728	3	1				100000.0000	600000000.0	100000.000	-20.139*	10053856.4	11.240*
57-La-139	5728	3	2				1.00000D-5	60127150.0	3477.12747	-99.197*	8023.49675	659.537*
57-La-139	5728	3	2				100000.0000	60127150.0	100000.000	-20.212*	1600000.00	19.697*
57-La-139	5728	3	102				1.00000D-5	600000000.0	19649.4100	-99.996*	11059.7900	9999.000*
57-La-139	5728	3	102				100000.0000	600000000.0	7000000.00	-83.590*	20000000.0	374.921*
59-Pr-141	5925	3	16				9464267.00	600000000.0	10000000.0	-68.281*	20000000.0	2.841*
59-Pr-141	5925	3	16				9464267.00	600000000.0	10000000.0	-68.281*	20000000.0	2.841*
64-Gd-Nat	6400	3	1				No Comparable Data					
64-Gd-Nat	6400	3	2				No Comparable Data					
64-Gd-Nat	6400	3	101				No Comparable Data					
64-Gd-Nat	6400	3	102				No Comparable Data					
69-Tm-169	6925	3	16				No Comparable Data					
69-Tm-169	6925	3	17				No Comparable Data					
73-Ta-181	7328	3	1				No Comparable Data					
73-Ta-181	7328	3	2				No Comparable Data					
73-Ta-181	7328	3	102				No Comparable Data					
74-W -186	7443	3	1				No Comparable Data					
74-W -186	7443	3	2				No Comparable Data					
74-W -186	7443	3	102				No Comparable Data					
79-Au-197	7925	3	1				No Comparable Data					
79-Au-197	7925	3	2				No Comparable Data					
79-Au-197	7925	3	16				No Comparable Data					
79-Au-197	7925	3	102				No Comparable Data					

IRDFF-v1-05-e71.1st

80-Hg-199	8034	10	4	No Comparable Data
82-Pb-204	8225	10	4	No Comparable Data
83-Bi-209	8325	3	17	No Comparable Data
90-Th-232	9040	3	1	No Comparable Data
90-Th-232	9040	3	2	No Comparable Data
90-Th-232	9040	3	18	No Comparable Data
90-Th-232	9040	3	102	No Comparable Data
92-U -235	9228	1	452	No Comparable Data
92-U -235	9228	1	455	No Comparable Data
92-U -235	9228	1	456	No Comparable Data
92-U -235	9228	3	1	No Comparable Data
92-U -235	9228	3	18	No Comparable Data
92-U -235	9228	3	102	No Comparable Data
92-U -238	9237	1	452	No Comparable Data
92-U -238	9237	1	455	No Comparable Data
92-U -238	9237	1	456	No Comparable Data
92-U -238	9237	3	1	No Comparable Data
92-U -238	9237	3	16	No Comparable Data
92-U -238	9237	3	18	No Comparable Data
92-U -238	9237	3	102	No Comparable Data
93-Np-237	9346	3	1	No Comparable Data
93-Np-237	9346	3	2	No Comparable Data
93-Np-237	9346	3	18	No Comparable Data
94-Pu-239	9437	1	452	No Comparable Data
94-Pu-239	9437	1	455	No Comparable Data
94-Pu-239	9437	1	456	No Comparable Data
94-Pu-239	9437	3	1	No Comparable Data
94-Pu-239	9437	3	2	No Comparable Data
94-Pu-239	9437	3	18	No Comparable Data
95-Am-241	9543	3	1	No Comparable Data
95-Am-241	9543	3	2	No Comparable Data
95-Am-241	9543	3	18	No Comparable Data

 127 Plots Generated

* - Indicates Difference Exceeds 0.1000 per-cent

per-cent Difference = 100 * ((Data1-Data2)/Data1)
 at Each Energy Point
 Maximum per-cent Difference = Largest per-cent Difference at
 ANY One or More Energy Points

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 COMPL0T Total Execution Time 37.22 Seconds
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