

16	16	16	16	16	16	17	17	18	19	19	19	19	20	20	20	20
09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27	09/27
0212-0226	0212-0226	0212-0226	0212-0226	0212-0226	0212-0226	0233-0247	0233-0247	0350-0400	0418-0429	0418-0429	0418-0429	0418-0429	0435-0446	0435-0446	0435-0446	0435-0446
110	110	110	110	110	110	110	110	120	120	120	120	120	120	120	120	120
369	369	369	369	369	369	369	369	510	369	369	369	369	308	308	308	308
Helium	Helium	Helium	Helium	Helium	Helium	helium	helium	proton	helium	helium	helium	helium	helium	helium	helium	helium
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197	197
190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190	190
184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184
80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184
184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184
147456	147456	147456	147456	147456	147456	208896	208896	176128	901120	901120	901120	901120	143360	143360	143360	143360
294912	294912	294912	294912	294912	294912	901120	901120	163840	770048	770048	770048	770048	237568	237568	237568	237568
8192	8192	8192	8192	8192	8192	43008	43008	7936	41984	41984	41984	41984	10752	10752	10752	10752
160	160	160	160	160	160	416	416	212	832	832	832	832	360	360	360	360
43008	43008	43008	43008	43008	43008	29184	29184	33792	54272	54272	54272	54272	26624	26624	26624	26624
114688	114688	114688	114688	114688	114688	98304	98304	34816	83968	83968	83968	83968	49152	49152	49152	49152
7808	7808	7808	7808	7808	7808	12032	12032	11264	60416	60416	60416	60416	8448	8448	8448	8448
-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364	-3.18364
7.142857	7.142857	7.142857	7.142857	7.142857	7.142857	43.75	43.75	22.79412	50	50	50	50	21.875	21.875	21.875	21.875
0.139509	0.139509	0.139509	0.139509	0.139509	0.139509	0.423177	0.423177	0.608915	0.990854	0.990854	0.990854	0.990854	0.732422	0.732422	0.732422	0.732422
72.3	37.5	145.3	72.3	37.5	145.3	45.8	45.8	155.1	54.3	107.5	54.3	107.5	54.7	32.9	80.1	54.7
16	11.9	20.9	16	11.9	20.9	45.2	45.2	12.5	11.3	17	11.3	17	12.5	24.4	21.7	12.5
106.1	106.1	106.1	30.9	30.9	30.9	130.3	47.3	82.4	108	108	19.4	19.4	113.7	113.7	113.7	40.6
65.3	65.3	65.3	55.5	55.5	55.5	38.9	41.6	45.8	83.1	83.1	64	64	38.5	38.5	38.5	34.4
Main Energy main TOF	first energy main TOF	last energy main TOF	Main Energy first TOF	first energy first tof	last energy first tof	Main Energy main TOF	Main Energy first TOF	single	first peak main tof	second peak main tof	first peak first tof	second peak first tof	Main Energy main TOF	first energy main TOF	last energy main TOF	Main Energy first TOF
x						x		x		x			x			
note that the first energy peak is substantial as well										note that first peak is substantial as well						

