New ANM B-S	0-50 MeV/c	50-100	100-150	150-200	200-250	250-300	300-350	350-400	400-450	450-500	500-550	550-600	600-650	650-700	700-750	750-800	800-850	850-900	900-950	950-1000	1000-1050	1050-1100	1100-1150	1150-1200	1200-1250	1250-1300	1300-1350	1350-1400	1400-1450	1450-1500	1500-1550	1550-1600	1600-1650	1650-1700	1700-1750	1750-1800	1800-1850 1	1850-1900	1900-1950	1950-2000
0-4.5 Deg 4.5-9 Deg	0	0	0	0.0930233	0.144737		0.421384		0.668161	0.710247	0.805861	0.796703	0.834184		0.827907	0.886324	0.843458		0.83208	0.813433	0.818653	0.841432	0.806365	0.833865	0.867133	0.840741	0.819005	0.813084	0.83	0.886667	0.823129		0.871795	0.825243	0.824074	0.797297	0.815789	0.774194	0.823529	0.809524
	0	0	0	0.0168887	0.165094	0.269231	0.4	0.541667	0.613402	0.732694	0.797824	0.812245	0.82494	0.814583	0.823051	0.812541	0.792558	0.781479	0.804378	0.794982	0.805085	0.823654	0.813322	0.809233	0.801491	0.754923	0.791063	0.783712	0.79661	0.793729	0.777403	0.774319	0.787879	0.784741	0.817629	0.771523	0.778723	0.776824	0.762376	0.821229
9-13.5 Deg	0	0	0	0.0700935	0.130919	0.271667	0.353012	0.480322	0.569575	0.68139	0.781754	0.795837	0.774114	0.785362	0.773578	0.781475	0.76586	0.762567	0.752009	0.761471	0.748873	0.73664	0.739656	0.735498	0.72955	0.755391	0.720774	0.711163	0.74169	0.714434	0.730546	0.70028	0.702786	0.692029	0.698795	0.727488	0.698895	0.694079	0.705827	0.663507
13.5-15 Deg	0	0	0	0.0401338	0.149742	0.265497	0.336059	0.414129	0.536284	0.638281	0.728386	0.717996	0.747335	0.748866	0.736466	0.7337	0.731489	0.723615	0.700111	0.714206	0.71014	0.691088	0.695485	0.679018	0.673116	0.66913	0.689633	0.654591	0.685662	0.667735	0.654188	0.655201	0.654884	0.654737	0.652068	0.615894	0.627737	0.628571	0.650888	0.613924
18-22.5 Deg	0	0		0.0277778	0.137174	0.23849	0.319925	0.423721	0.499227	0.57533	0.655519	0.701815	0.686171	0.689579	0.686069	0.673434	0.65566	0.6686	0.547105	0.657014	0.636641	0.624197	0.638889	0.646891	0.628604	0.584667	0.586435	0.624873	0.603365	0.570149	0.581722	0.600687	0.607558	0.583333	0.531915	0.573034	0.525641	0.527559	0.552532	0.487179
22.5-27 Deg	0	0	0	0.0196464	0.109134		0.312057	0.385731	0.447873	0.516755	0.600138	0.645331	0.628718	0.629526	0.604035	0.609545	0.603815	0.602548	0.578702	0.597386	0.589439	0.583187	0.543649	0.537295	0.538066	0.55848	0.548585	0.504687	0.518738	0.493639	0.501502		0.469945	0.477273	0.443299	0.445783	0.442623	0.297297	0.405405	0.482759
27-31.5 Deg	0	0	0	0.00315956	0.104046	0.165109	0.256264	0.322028	0.397871	0.445264	0.512134	0.574856	0.561587	0.558263	0.539545	0.545725	0.538095	0.525974	0.509479	0.506996	0.501982	0.5	0.4943	0.457645	0.457143	0.448387	0.4447	0.485531	0.401487	0.407609	0.365517	0.330189	0.253889	0.445809	0.4	0.380952	0.136364	0.333333	0.555556	0.233333
31.5-35 Deg	0	0	0	0	0.0525862		0.205051	0.275598		0.392423	0.431607	0.47668	0.500539		0.476983	0.479711	0.460797		0.446729	0.424768	0.438768	0.394628		0.408915	0.451791	0.342561		0.30303	0.322917	0.333333	0.285714		0.333333	0.352941	0.165557		- 1	0.333333	0.5	0
35-40.5 Deg	0	0	0	0	0.0444774	0.105837	0.16809	0.234525	0.285885	0.327259	0.353491	0.400137	0.418747	0.422945	0.407023	0.396731	0.398879	0.392036	0.372638	0.364706	0.376984	0.347654	0.323529	0.355856	0.312849	0.325	0.338983	0.410255	0.242424	0.157895	0.25	0.168667	0	0.5	0	0	0	0	0	0
40.5-45 Deg	0	0	0	0	0.0210938		0.137208	0.172468			0.300515	0.316995	0.337145		0.337621	0.320774	0.311813	0.293856	0.315938	0.294333	0.257062	0.283282	0.26	0.298851	0.258065	0.228571	0.210525	0.111111	0.285714	0	- 1	0.5	0.5	0	0	0	0	0	0	0
45-49.5 Deg	0	0		0	0	0.035913	0.0925481	0.127177	0.17693	0.21244	0.229012	0.236559	0.252955	0.271491	0.267346	0.259352	0.254042	0.228395	0.213358	0.222222	0.229299	0.195652	0.196429	0.142857	0.285714	0.333333		0.5	0	0	0	0	0	0	0	0		0	0	0
49.5-54 Deg	0	0		0	0	0.0115668	0.0516817	0.101349			0.169149	0.194822	0.189564		0.176355	0.210306	0.188017	0.202572	0.150943	0.148936	0.145455	0.130435	0.142857	0	0	0	1	0	0	0	0	0	0	0	0	0				0
54-58.5 Deg	0	0	0	0	0	0	0.0210526				0.120419	0.128324	0.143509		0.12426	0.149296	0.141667		0.149254	0.285714	0	0.0769231	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
58.5-63 Deg	0	0		0	0	0	0	0.0150516		0.0594262	0.0719951	0.0804312	0.088785	0.0819367	0.0946372	0.0851064	0.0535714	0.0888889	0.125	0			0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0
63-67.5 Deg	0	0	0	0	0	0	0	0	0.00795003	0.0215545	0.0325901	0.0497512	0.0446927	0.0397554	0.0674847	0.0933333	0.0952381	0.047619	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
67.5-72 Deg	0	0	0	0	0	0	0	0	0	0.00182983	0.00373599	0.00414938	0.0170548		0.0136986	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
72-76.5 Deg	0	0		0	0	0	0	0	0	0	0	0	0	0.0266667	0	0.0833333		0	0	0	0		0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0
76.5-81 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
81-85.5 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85.5-90 Deg	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0		0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0
90-94.5 Deg	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94.5-99 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-103.5 Deg	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0		0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0
103.5-108 Deg	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108-112.5 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0			0	0	0			0	0	0	0	0	0	0	0	0		0	0	0
112.5-117 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0		0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0
117-121.5 Deg	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
121.5-126 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0				0	0			0	0	0	0	0	0	0	0	0		0	0	0
126-130.5 Deg	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
130.5-135 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0
135-139.5 Deg	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0				0	0			0	0	0	0	0	0	0	0	0		0	0	0
139.5-144 Deg	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					0
144-148.5 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
148.5-153 Deg	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0			0	0	0			0	0	0	0	0	0	0	0	0		0	0	0
153-157.5 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
157.5-162 Deg	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0
162-166.5 Deg	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166.5-171 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171-175.5 Deg	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
175.5-180 Deg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0