New NM R-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	250-1000	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	0	0	0	0.09375			0.317073	0.45			0.816092	0.828829	0.842975	0.845455	0.773438	0.875	0.796748		0.870504	0.819549	0.834532	0.852174	0.88785	0.762712	0.807692	0.802198	0.811321	0.835443	0.753085	0.779412	0.783333		0.8	0.921569	0.921569	0.77193	0.848485	0.861111	0.826087	0.823529
4.5-9 Deg		0	0	0.123457	0.244681	0.218182	0.40411	0.490291	0.568376	0.765102	0.824047	0.789517	0.844186	0.80404	0.828302	0.807771	0.816514	0.820841	0.809981	0.79823	0.803922	0.828974	0.800875	0.820276	0.789474	0.798982	0.801135	0.774026	0.79868	0.744185	0.742424	0.784091	0.770642	0.790476	0.754717	0.774194	0.79375	0.813793	0.748387	0.785714
9-13.5 Deg	0	0	0	0.0280374	0.150943	0.31	0.334426	0.479167		0.693122	0.795417	0.787402	0.784336	0.786013	0.779396	0.757746	0.77907		0.763083	0.776828	0.74025	0.760633	0.746401	0.715326	0.746803	0.720867	0.735724	0.721683	0.72093	0.716946	0.727468		0.704835	0.730978	0.747774	0.70068	0.684982	0.73029	0.623853	0.713615
13.5-15 Deg		0	0	0.0696203	0.164502	0.242902	0.389937	0.460102	0.524072	0.648363	0.73062	0.742788	0.7373	0.725131	0.707711	0.713192	0.708657	0.71437	0.713376	0.722747	0.704342	0.713103	0.697987	0.688694	0.706895	0.681319	0.674493	0.651465	0.680731	0.635036	0.657848	0.654093	0.618938	0.648718	0.634561	0.598291	0.63871	0.638586	0.630252	0.614407
18-22.5 Deg	0	0	0	0.0395825		0.220374	0.320233	0.4	0.498252	0.56578	0.666667	0.703245	0.681216	0.694102	0.67205	0.674541	0.661496		0.673965	0.656648	0.680058	0.632723	0.652881	0.627978	0.634488	0.606524	0.599138	0.600991	0.58926	0.585284	0.58854		0.581633	0.546547	0.532051	0.582707	0.517647	0.569507	0.530055	0.5525
22.5-27 Deg	0	0	0	0.0341615	0.120614	0.20088	0.284783	0.356223	0.442424		0.590521	0.619898	0.653967	0.628504	0.61255	0.617109	0.601285		0.579674	0.578595	0.57636	0.56538	0.564828	0.553719	0.550962	0.498274	0.550685	0.556828	0.500901	0.497825	0.511166		0.453674	0.539095	0.447761	0.428571	0.476821	0.462963	0.379032	0.435185
27-31.5 Deg		0	0	0.0128535			0.240517					0.55869	0.57336	0.536199	0.537204	0.545332	0.542526		0.524605	0.503756	0.498278			0.446392	0.463785	0.474016		0.389868	0.438953	0.384615	0.484375		0.414634	0.34058	0.242991	0.416867	0.405941	0.333333	0.25974	
31.5-35 Deg	0	0	0	0.00618557			0.215553	0.260465			0.44563	0.489885	0.50075	0.5	0.512734	0.486242	0.465472		0.439182	0.459893	0.432253	0.403556	0.432373	0.361111	0.379648	0.411483		0.307116	0.351702	0.355191	0.294118		0.337349	0.328571	0.272727	0.34375	0.227273	0.290323	0.25	0.380952
36-40.5 Deg	0	0	0	0	0.0376749		0.167825		0.272658		0.35271	0.399772	0.4	0.410502	0.420808	0.416728	0.404237	0.378892	0.371585	0.362308	0.373851	0.336748	0.352837	0.316279	0.293333	0.333333	0.282609	0.182432	0.251194	0.25	0.430556		0.127273	0.238095	0.2	0.25	0.0714286	0.25	0.1	0.533353
40.5-45 Deg	0	0	0	0	0.0185547		0.129648				0.297987	0.31442	0.331903		0.33975	0.324022	0.312566		0.293671	0.284258	0.264297	0.2897	0.274247	0.191235	0.220238	0.204918		0.147059	0.169014	0.30303	0.16	0.0909091	0.1875	0.1875	0.165667	. 0	0.2	0	0.5	. 0
45-49.5 Deg		0	0	0	0.00241935		0.0861688			0.209127	0.220634	0.249549	0.260561	0.269592	0.273593	0.258347	0.252889		0.238606	0.221135	0.144772	0.168675	0.216867	0.15534	0.182927	0.113636	0.0545161	0.148148	0.117647	0.0769231	0	0.6	0	0	0	0.25	0			
49.5-54 Deg	0	0	0	0	0	0.0115123	0.0555327	0.102639		0.161442	0.165696	0.190045	0.182172		0.188506	0.193939	0.207		0.140187	0.124514	0.10119	0.178295		0.0740741	0.08	0.142857	0.2	0	٥	0.1	0	0	0	0	0	. 0	0	0	0	. 0
54-58.5 Deg		0	0	0	0	0	0.0248494				0.109863	0.131459	0.132259		0.135764	0.133188	0.12807		0.122172	0.0814815	0.0571429	0.1	0.0322581	0	0.1	0.335333	0	0	0	0		0	0	0	0	_ •	0	- 0	- 0	
58.5-63 Deg		0	0	0		0	0	0.0165922		0.0557781	0.0744786	0.0631667	0.0781828		0.0845225	0.0654045	0.074184		0.0841121	0.0405405			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	0.00645756	0.018006	0.0306061	0.0433498	0.053756	0.044898	0.0724638	0.044586	0.0347222		0.0243902	0	0.136354	0	0	0	0	0	0	0	0	0	0	0	0	0	0	_ •	0	- 0		
67.5-72 Deg			0	9		9		0	0	0.00228571	0.0041586	0.0121873	0.017341	0.020155	0.0234114	0.0121212	0.0131579	0.075	0	0				۰	۰		0					0		- 0		_ •	0	_ 0		
72-76.5 Deg	0	0	0	0		0	0	0	0	0	0	0	0	0	0.00540541	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
81-85.5 Deg		0	0	9		9		0	0		9	0				0		0	0	0				۰	۰							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		
90-94.5 Deg		0	0	0		9		0	0		0	0	٥		0	0		0	0	0			0	۰	0			0				0		- 0		_ •	0	0		
94.5-99 Deg				9		9	9				0		0	0		0		0	0	0												9					9	- 0	- 9	
99-103.5 Deg 103.5-108 Deg			0	0		9						- 0																				0		- 0			- 0	- 0	_ 0	
		0	0	0		9		0	0		0	0			0	0		0	0	0			0		0			0				0					0	0		
108-112.5 Deg				0		9					9	9	- 9	- 9	- 0												0					0	- 0	- 0	- 0	_ +	- 0		- 4	- 4
112.5-117 Deg			0	0		9														0												0		- 0		_ •	- 0	- 0	_ 0	_ 0
117-121.5 Deg		0		9		9	9				0	٥	0	0		0		0	0	0			0	0	0					0		0				- 9	9	- 0	- 9	
121.5-126 Deg			0	0		9						- 0	- 9	- 9	- 0												0					0	- 0	- 0		_ +	- 0		- 4	- 9
126-130.5 Deg			0	9		9		0			0							0	0	0					0							0				_ •	- 0	- 0	_ 0	
130.5-135 Deg		0		9		9	9				0		0	0		0		0	0	0				0	0					0		0				- 9	9	- 0	- 9	
135-139.5 Deg			0	0		9						- 0	- 0	- 0	- 0																	0	- 0	- 0		_ +	- 0	- 0	- 4	- 4
139.5-144 Deg			0	9		9		0			0					0		0	0	0				۰	0							0				_ •	- 0	- 0	_ 0	
144-148.5 Deg		0		9		9	9				0	- 0	0	0				0	0	0					0							9				- 9	9	- 0	- 9	
148.5-153 Deg						9										0				0								0	0	0		0		0		_		- 0	_ 0	
153-157.5 Deg		0	0	9		9		0			0					0		0	0	0			0	۰	0							0				_ •	- 0	- 0		
157.5-162 Deg				9		9	9				0	- 0	0	0				0	0	0					0							9				- 9	9	- 0	- 9	
162-166.5 Deg						9										0				0								0	0	0		0		0		_		- 0		
166.5-171 Deg		0		0		1 0	0	0			0	0	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		1 0	0	0			0	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