

Unpolarized Side						
$t_{(ns)}$	V_n	β_n	γ_n	M_n (MeV)	E_{tot} (MeV)	E_k (MeV)
40	8.93E+07	29.76%	1.047461	939.5656	984.1583538	44.5927538
41	8.60E+07	28.66%	1.04378	939.5656	980.700215	41.134615
42	8.29E+07	27.63%	1.04052	939.5656	977.6366385	38.0710385
43	8.00E+07	26.68%	1.037617	939.5656	974.9088283	35.3432283
44	7.74E+07	25.79%	1.035019	939.5656	972.4687027	32.9031027
45	7.49E+07	24.96%	1.032686	939.5656	970.2766044	30.7110044
46	7.25E+07	24.18%	1.030582	939.5656	968.2995688	28.7339688
47	7.03E+07	23.45%	1.028678	939.5656	966.5099974	26.9443974
48	6.83E+07	22.76%	1.026948	939.5656	964.8846316	25.3190316
49	6.63E+07	22.11%	1.025371	939.5656	963.4037506	23.8381506
50	6.45E+07	21.49%	1.023931	939.5656	962.0505379	22.4849379
51	6.27E+07	20.91%	1.022611	939.5656	960.8105788	21.2449788
52	6.11E+07	20.36%	1.021399	939.5656	959.6714557	20.1058557
53	5.95E+07	19.84%	1.020283	939.5656	958.6224229	19.0568229
54	5.80E+07	19.34%	1.019252	939.5656	957.654141	18.088541
55	5.66E+07	18.87%	1.018299	939.5656	956.7584601	17.1928601
56	5.53E+07	18.42%	1.017415	939.5656	955.928241	16.362641
57	5.40E+07	17.99%	1.016594	939.5656	955.1572076	15.5916076
58	5.28E+07	17.59%	1.015831	939.5656	954.4398237	14.8742237
59	5.16E+07	17.19%	1.015119	939.5656	953.7711899	14.2055899
60	5.05E+07	16.82%	1.014455	939.5656	953.1469575	13.5813575
61	4.94E+07	16.46%	1.013834	939.5656	952.5632548	12.9976548
62	4.84E+07	16.12%	1.013252	939.5656	952.0166261	12.4510261
63	4.74E+07	15.79%	1.012706	939.5656	951.5039779	11.9383779
64	4.64E+07	15.48%	1.012194	939.5656	951.0225351	11.4569351
65	4.55E+07	15.17%	1.011712	939.5656	950.5698015	11.0042015
66	4.46E+07	14.88%	1.011258	939.5656	950.1435267	10.5779267
67	4.38E+07	14.60%	1.010831	939.5656	949.7416781	10.1760781
68	4.30E+07	14.33%	1.010427	939.5656	949.3624152	9.79681521
69	4.22E+07	14.07%	1.010046	939.5656	949.0040686	9.43846858
70	4.15E+07	13.82%	1.009685	939.5656	948.6651209	9.09952094
71	4.07E+07	13.57%	1.009343	939.5656	948.3441907	8.77859072
72	4.00E+07	13.34%	1.00902	939.5656	948.0400177	8.4744177
73	3.93E+07	13.11%	1.008712	939.5656	947.7514504	8.18585041
74	3.87E+07	12.90%	1.008421	939.5656	947.477435	7.91183499
75	3.81E+07	12.68%	1.008144	939.5656	947.2170054	7.65140542
76	3.74E+07	12.48%	1.00788	939.5656	946.9692748	7.4036748
77	3.68E+07	12.28%	1.007629	939.5656	946.7334277	7.16782772
78	3.63E+07	12.09%	1.00739	939.5656	946.5087134	6.94311342
79	3.57E+07	11.90%	1.007162	939.5656	946.2944397	6.72883967
80	3.52E+07	11.72%	1.006944	939.5656	946.0899674	6.52436742
81	3.46E+07	11.55%	1.006736	939.5656	945.8947059	6.32910595
82	3.41E+07	11.38%	1.006538	939.5656	945.7081085	6.14250847
83	3.36E+07	11.21%	1.006348	939.5656	945.5296683	5.96406834

unpolarized
target to S.D.
91.39inches
232.131 cm

84	3.32E+07	11.05%	1.006166	939.5656	945.3589155	5.7933155
85	3.27E+07	10.90%	1.005992	939.5656	945.1954134	5.62981338
86	3.22E+07	10.75%	1.005825	939.5656	945.038756	5.47315604
87	3.18E+07	10.60%	1.005665	939.5656	944.8885656	5.32296564
88	3.14E+07	10.46%	1.005512	939.5656	944.7444901	5.17889013
89	3.10E+07	10.32%	1.005365	939.5656	944.6062011	5.04060114
90	3.05E+07	10.18%	1.005223	939.5656	944.4733921	4.90779212
91	3.01E+07	10.05%	1.005088	939.5656	944.3457766	4.78017659
92	2.98E+07	9.92%	1.004957	939.5656	944.2230866	4.65748661
93	2.94E+07	9.79%	1.004831	939.5656	944.1050713	4.53947133
94	2.90E+07	9.67%	1.004711	939.5656	943.9914957	4.4258957
95	2.87E+07	9.55%	1.004594	939.5656	943.8821393	4.3165393
96	2.83E+07	9.44%	1.004482	939.5656	943.7767953	4.21119525
97	2.80E+07	9.32%	1.004374	939.5656	943.6752692	4.10966922
98	2.76E+07	9.21%	1.00427	939.5656	943.5773785	4.01177852
99	2.73E+07	9.10%	1.004169	939.5656	943.4829513	3.9173513
100	2.70E+07	9.00%	1.004072	939.5656	943.3918257	3.82622575
101	2.67E+07	8.89%	1.003979	939.5656	943.3038494	3.73824942
102	2.64E+07	8.79%	1.003888	939.5656	943.2188786	3.65327858
103	2.61E+07	8.69%	1.003801	939.5656	943.1367776	3.57117762
104	2.58E+07	8.60%	1.003716	939.5656	943.0574185	3.49181851
105	2.55E+07	8.50%	1.003635	939.5656	942.9806803	3.41508029
106	2.52E+07	8.41%	1.003556	939.5656	942.9064486	3.34084861
107	2.50E+07	8.32%	1.003479	939.5656	942.8346153	3.26901529
108	2.47E+07	8.23%	1.003405	939.5656	942.765078	3.19947795
109	2.44E+07	8.14%	1.003334	939.5656	942.6977396	3.13213961
110	2.42E+07	8.06%	1.003264	939.5656	942.6325084	3.06690838
111	2.39E+07	7.98%	1.003197	939.5656	942.5692971	3.00369712
112	2.37E+07	7.90%	1.003132	939.5656	942.5080231	2.94242314
113	2.34E+07	7.82%	1.003068	939.5656	942.448608	2.88300797
114	2.32E+07	7.74%	1.003007	939.5656	942.3909771	2.82537706
115	2.30E+07	7.66%	1.002948	939.5656	942.3350596	2.76945959
116	2.28E+07	7.59%	1.00289	939.5656	942.2807882	2.71518818
117	2.25E+07	7.51%	1.002834	939.5656	942.2280988	2.66249879
118	2.23E+07	7.44%	1.002779	939.5656	942.1769304	2.61133042
119	2.21E+07	7.37%	1.002726	939.5656	942.127225	2.56162502
120	2.19E+07	7.30%	1.002675	939.5656	942.0789273	2.51332726
121	2.17E+07	7.23%	1.002625	939.5656	942.0319844	2.46638443
122	2.15E+07	7.16%	1.002576	939.5656	941.9863462	2.42074625
123	2.13E+07	7.10%	1.002529	939.5656	941.9419648	2.37636475
124	2.11E+07	7.03%	1.002483	939.5656	941.8987942	2.33319417
125	2.09E+07	6.97%	1.002439	939.5656	941.8567908	2.2911908
126	2.07E+07	6.91%	1.002395	939.5656	941.8159129	2.25031288
127	2.05E+07	6.85%	1.002353	939.5656	941.7761205	2.21052052
128	2.04E+07	6.79%	1.002311	939.5656	941.7373756	2.17177557
129	2.02E+07	6.73%	1.002271	939.5656	941.6996416	2.13404156
130	2.00E+07	6.67%	1.002232	939.5656	941.6628836	2.09728358

131	1.98E+07	6.61%	1.002194	939.5656	941.6270682	2.06146821
132	1.97E+07	6.56%	1.002157	939.5656	941.5921635	2.02656348
133	1.95E+07	6.50%	1.002121	939.5656	941.5581387	1.99253873
134	1.93E+07	6.45%	1.002085	939.5656	941.5249646	1.9593646
135	1.92E+07	6.39%	1.002051	939.5656	941.4926129	1.92701295
136	1.90E+07	6.34%	1.002017	939.5656	941.4610568	1.89545677
137	1.89E+07	6.29%	1.001985	939.5656	941.4302702	1.86467018
138	1.87E+07	6.24%	1.001953	939.5656	941.4002283	1.83462834
139	1.86E+07	6.19%	1.001921	939.5656	941.3709074	1.80530738
140	1.84E+07	6.14%	1.001891	939.5656	941.3422844	1.77668441

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