

Unpolarized Top						
$t_{(ns)}$	V_n	β_n	γ_n	M_n (MeV)	E_{tot} (MeV)	E_k (MeV)
40	9.40E+07	31.34%	1.05306	939.5656	989.421067	49.8554665
41	9.05E+07	30.18%	1.04892	939.5656	985.525982	45.9603824
42	8.73E+07	29.10%	1.04525	939.5656	982.079448	42.5138476
43	8.43E+07	28.10%	1.04199	939.5656	979.013903	39.4483027
44	8.15E+07	27.16%	1.03907	939.5656	976.274245	36.708645
45	7.89E+07	26.29%	1.03645	939.5656	973.815133	34.249533
46	7.64E+07	25.47%	1.03409	939.5656	971.598956	32.033356
47	7.41E+07	24.69%	1.03196	939.5656	969.594285	30.028685
48	7.19E+07	23.97%	1.03002	939.5656	967.774678	28.2090782
49	6.99E+07	23.28%	1.02826	939.5656	966.11775	26.5521501
50	6.79E+07	22.64%	1.02665	939.5656	964.604439	25.0388387
51	6.61E+07	22.02%	1.02517	939.5656	963.218425	23.652825
52	6.43E+07	21.45%	1.02382	939.5656	961.945667	22.3800674
53	6.27E+07	20.90%	1.02257	939.5656	960.774028	21.2084276
54	6.11E+07	20.37%	1.02142	939.5656	959.692966	20.1273661
55	5.96E+07	19.88%	1.02036	939.5656	958.693294	19.1276943
56	5.82E+07	19.40%	1.01937	939.5656	957.76697	18.2013696
57	5.69E+07	18.95%	1.01846	939.5656	956.906927	17.3413271
58	5.56E+07	18.52%	1.01761	939.5656	956.106939	16.5413392
59	5.43E+07	18.11%	1.01681	939.5656	955.361499	15.7958986
60	5.31E+07	17.72%	1.01607	939.5656	954.665719	15.1001193
61	5.20E+07	17.34%	1.01538	939.5656	954.015255	14.4496547
62	5.09E+07	16.98%	1.01473	939.5656	953.406226	13.8406263
63	4.99E+07	16.63%	1.01412	939.5656	952.835165	13.2695648
64	4.89E+07	16.30%	1.01355	939.5656	952.298959	12.7333586
65	4.79E+07	15.98%	1.01302	939.5656	951.79481	12.2292105
66	4.70E+07	15.67%	1.01251	939.5656	951.3202	11.7545998
67	4.61E+07	15.38%	1.01203	939.5656	950.872851	11.3072505
68	4.53E+07	15.09%	1.01159	939.5656	950.450702	10.8851025
69	4.45E+07	14.82%	1.01116	939.5656	950.051888	10.4862878
70	4.37E+07	14.55%	1.01076	939.5656	949.674709	10.1091092
71	4.29E+07	14.30%	1.01038	939.5656	949.317622	9.75202184
72	4.22E+07	14.05%	1.01002	939.5656	948.979217	9.4136169
73	4.14E+07	13.81%	1.00968	939.5656	948.658208	9.09260751
74	4.07E+07	13.58%	1.00935	939.5656	948.353416	8.78781619
75	4.01E+07	13.36%	1.00904	939.5656	948.063764	8.49816386
76	3.94E+07	13.14%	1.00875	939.5656	947.78826	8.22266008
77	3.88E+07	12.94%	1.00847	939.5656	947.525994	7.96039444
78	3.82E+07	12.73%	1.00821	939.5656	947.276129	7.71052885
79	3.76E+07	12.54%	1.00795	939.5656	947.037891	7.47229078
80	3.70E+07	12.35%	1.00771	939.5656	946.810567	7.24496716
81	3.65E+07	12.16%	1.00748	939.5656	946.593499	7.02789892
82	3.60E+07	11.98%	1.00726	939.5656	946.386076	6.82047621
83	3.54E+07	11.81%	1.00705	939.5656	946.187734	6.62213396

unpolarized
target to T.D.
96.25 inches
244.475 cm

84	3.49E+07	11.64%	1.00685	939.5656	945.997948	6.43234804
85	3.44E+07	11.48%	1.00665	939.5656	945.816232	6.25063171
86	3.40E+07	11.32%	1.00647	939.5656	945.642132	6.07653246
87	3.35E+07	11.16%	1.00629	939.5656	945.475229	5.90962916
88	3.30E+07	11.01%	1.00612	939.5656	945.315129	5.74952946
89	3.26E+07	10.87%	1.00596	939.5656	945.161467	5.59586749
90	3.22E+07	10.72%	1.0058	939.5656	945.013902	5.44830168
91	3.18E+07	10.58%	1.00565	939.5656	944.872113	5.30651291
92	3.13E+07	10.45%	1.0055	939.5656	944.735803	5.17020272
93	3.09E+07	10.32%	1.00536	939.5656	944.604692	5.03909171
94	3.06E+07	10.19%	1.00523	939.5656	944.478518	4.91291813
95	3.02E+07	10.06%	1.0051	939.5656	944.357037	4.79143653
96	2.98E+07	9.94%	1.00498	939.5656	944.240017	4.67441656
97	2.95E+07	9.82%	1.00486	939.5656	944.127242	4.56164187
98	2.91E+07	9.70%	1.00474	939.5656	944.018509	4.45290909
99	2.88E+07	9.59%	1.00463	939.5656	943.913627	4.34802694
100	2.84E+07	9.48%	1.00452	939.5656	943.812415	4.2468153
101	2.81E+07	9.37%	1.00442	939.5656	943.714705	4.14910451
102	2.78E+07	9.26%	1.00432	939.5656	943.620335	4.05473463
103	2.75E+07	9.16%	1.00422	939.5656	943.529155	3.96355475
104	2.72E+07	9.05%	1.00412	939.5656	943.441022	3.87542241
105	2.69E+07	8.96%	1.00403	939.5656	943.355803	3.79020303
106	2.66E+07	8.86%	1.00395	939.5656	943.273369	3.70776939
107	2.63E+07	8.76%	1.00386	939.5656	943.193601	3.62800115
108	2.60E+07	8.67%	1.00378	939.5656	943.116384	3.55078442
109	2.57E+07	8.58%	1.0037	939.5656	943.041611	3.47601134
110	2.55E+07	8.49%	1.00362	939.5656	942.96918	3.40357968
111	2.52E+07	8.40%	1.00355	939.5656	942.898993	3.33339254
112	2.49E+07	8.32%	1.00348	939.5656	942.830958	3.26535796
113	2.47E+07	8.23%	1.00341	939.5656	942.764989	3.19938867
114	2.44E+07	8.15%	1.00334	939.5656	942.701002	3.13540178
115	2.42E+07	8.07%	1.00327	939.5656	942.638919	3.07331852
116	2.40E+07	7.99%	1.00321	939.5656	942.578664	3.01306401
117	2.37E+07	7.91%	1.00314	939.5656	942.520167	2.954567
118	2.35E+07	7.84%	1.00308	939.5656	942.46336	2.89775971
119	2.33E+07	7.76%	1.00303	939.5656	942.408178	2.84257758
120	2.31E+07	7.69%	1.00297	939.5656	942.354559	2.78895911
121	2.28E+07	7.62%	1.00291	939.5656	942.302446	2.7368457
122	2.26E+07	7.55%	1.00286	939.5656	942.251781	2.68618146
123	2.24E+07	7.48%	1.00281	939.5656	942.202513	2.63691309
124	2.22E+07	7.41%	1.00276	939.5656	942.15459	2.58898969
125	2.20E+07	7.34%	1.00271	939.5656	942.107963	2.5423627
126	2.18E+07	7.28%	1.00266	939.5656	942.062586	2.49698571
127	2.16E+07	7.21%	1.00261	939.5656	942.018414	2.45281438
128	2.14E+07	7.15%	1.00256	939.5656	941.975406	2.40980631
129	2.13E+07	7.09%	1.00252	939.5656	941.933521	2.36792098
130	2.11E+07	7.03%	1.00248	939.5656	941.89272	2.32711958

131	2.09E+07	6.97%	1.00243	939.5656	941.852965	2.28736499
132	2.07E+07	6.91%	1.00239	939.5656	941.814222	2.24862167
133	2.05E+07	6.85%	1.00235	939.5656	941.776456	2.21085557
134	2.04E+07	6.79%	1.00231	939.5656	941.739634	2.17403405
135	2.02E+07	6.73%	1.00228	939.5656	941.703726	2.13812584
136	2.00E+07	6.68%	1.00224	939.5656	941.668701	2.10310096
137	1.99E+07	6.63%	1.0022	939.5656	941.634531	2.06893063
138	1.97E+07	6.57%	1.00217	939.5656	941.601187	2.03558725
139	1.96E+07	6.52%	1.00213	939.5656	941.568644	2.00304432
140	1.94E+07	6.47%	1.0021	939.5656	941.536876	1.9712764

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