

Unpolarized for Side Dectector

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$t_n - t_v(ns)$	V_n	β_n	γ_n	$M_n (MeV)$	$E_{tot} (MeV)$	$E_k(MeV)$
10	1.31E+08	43.62%	1.111	939.5656	1044.15244	104.5868
11	1.24E+08	41.29%	1.098	939.5656	1031.63432	92.06872
12	1.18E+08	39.20%	1.087	939.5656	1021.31807	81.75247
13	1.12E+08	37.31%	1.078	939.5656	1012.70068	73.13508
14	1.07E+08	35.60%	1.07	939.5656	1005.4184	65.8528
15	1.02E+08	34.03%	1.063	939.5656	999.202019	59.63642
16	9.78E+07	32.60%	1.058	939.5656	993.848357	54.28276
17	9.38E+07	31.28%	1.053	939.5656	989.201374	49.63577
18	9.02E+07	30.06%	1.049	939.5656	985.13943	45.57383
19	8.68E+07	28.94%	1.045	939.5656	981.566429	42.00083
20	8.37E+07	27.90%	1.041	939.5656	978.405547	38.83995
21	8.08E+07	26.93%	1.038	939.5656	975.594707	36.02911
22	7.81E+07	26.02%	1.036	939.5656	973.083267	33.51767
23	7.55E+07	25.17%	1.033	939.5656	970.829547	31.26395
24	7.31E+07	24.38%	1.031	939.5656	968.798969	29.23337
25	7.09E+07	23.64%	1.029	939.5656	966.962637	27.39704
26	6.88E+07	22.93%	1.027	939.5656	965.296239	25.73064
27	6.68E+07	22.27%	1.026	939.5656	963.779195	24.2136
28	6.50E+07	21.65%	1.024	939.5656	962.39398	22.82838
29	6.32E+07	21.06%	1.023	939.5656	961.125591	21.55999
30	6.15E+07	20.50%	1.022	939.5656	959.961121	20.39552
31	5.99E+07	19.97%	1.021	939.5656	958.889414	19.32381
32	5.84E+07	19.47%	1.02	939.5656	957.900785	18.33518
33	5.70E+07	18.99%	1.019	939.5656	956.98679	17.42119
34	5.56E+07	18.54%	1.018	939.5656	956.14004	16.57444
35	5.43E+07	18.11%	1.017	939.5656	955.354046	15.78845
36	5.31E+07	17.69%	1.016	939.5656	954.623088	15.05749
37	5.19E+07	17.30%	1.015	939.5656	953.942109	14.37651
38	5.08E+07	16.92%	1.015	939.5656	953.306623	13.74102
39	4.97E+07	16.56%	1.014	939.5656	952.712639	13.14704
40	4.86E+07	16.21%	1.013	939.5656	952.156599	12.591
41	4.76E+07	15.88%	1.013	939.5656	951.635319	12.06972
42	4.67E+07	15.56%	1.012	939.5656	951.145943	11.58034
43	4.58E+07	15.25%	1.012	939.5656	950.685906	11.12031
44	4.49E+07	14.96%	1.011	939.5656	950.252896	10.6873
45	4.40E+07	14.67%	1.011	939.5656	949.844826	10.27923
46	4.32E+07	14.40%	1.011	939.5656	949.459807	9.894207
47	4.24E+07	14.14%	1.01	939.5656	949.096127	9.530527
48	4.16E+07	13.88%	1.01	939.5656	948.75223	9.18663
49	4.09E+07	13.64%	1.009	939.5656	948.4267	8.8611
50	4.02E+07	13.40%	1.009	939.5656	948.118247	8.552647
51	3.95E+07	13.17%	1.009	939.5656	947.825692	8.260092
52	3.89E+07	12.95%	1.008	939.5656	947.547957	7.982357
53	3.82E+07	12.74%	1.008	939.5656	947.284053	7.718453

unpolarized case

target to T.D. target to S.D.
 96.25 inches 91.39inches
 244.475 cm 232.131 cm

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54	3.76E+07	12.53%	1.008	939.5656	947.033073	7.467473
55	3.70E+07	12.33%	1.008	939.5656	946.794184	7.228584
56	3.64E+07	12.14%	1.007	939.5656	946.566619	7.001019
57	3.59E+07	11.95%	1.007	939.5656	946.34967	6.78407
58	3.53E+07	11.77%	1.007	939.5656	946.142686	6.577086
59	3.48E+07	11.59%	1.007	939.5656	945.945063	6.379463
60	3.43E+07	11.42%	1.007	939.5656	945.756244	6.190644
61	3.38E+07	11.26%	1.006	939.5656	945.575711	6.010111
62	3.33E+07	11.10%	1.006	939.5656	945.402985	5.837385
63	3.28E+07	10.94%	1.006	939.5656	945.237622	5.672022
64	3.24E+07	10.79%	1.006	939.5656	945.079207	5.513607
65	3.19E+07	10.64%	1.006	939.5656	944.927355	5.361755
66	3.15E+07	10.49%	1.006	939.5656	944.781708	5.216108
67	3.11E+07	10.35%	1.005	939.5656	944.641932	5.076332
68	3.06E+07	10.22%	1.005	939.5656	944.507714	4.942114
69	3.02E+07	10.08%	1.005	939.5656	944.378763	4.813163
70	2.99E+07	9.95%	1.005	939.5656	944.254806	4.689206
71	2.95E+07	9.83%	1.005	939.5656	944.135588	4.569988
72	2.91E+07	9.70%	1.005	939.5656	944.02087	4.45527
73	2.88E+07	9.58%	1.005	939.5656	943.910427	4.344827
74	2.84E+07	9.47%	1.005	939.5656	943.80405	4.23845
75	2.81E+07	9.35%	1.004	939.5656	943.701541	4.135941
76	2.77E+07	9.24%	1.004	939.5656	943.602713	4.037113
77	2.74E+07	9.13%	1.004	939.5656	943.507394	3.941794
78	2.71E+07	9.02%	1.004	939.5656	943.415417	3.849817
79	2.68E+07	8.92%	1.004	939.5656	943.326629	3.761029
80	2.65E+07	8.82%	1.004	939.5656	943.240883	3.675283
81	2.62E+07	8.72%	1.004	939.5656	943.158042	3.592442
82	2.59E+07	8.62%	1.004	939.5656	943.077976	3.512376
83	2.56E+07	8.53%	1.004	939.5656	943.000562	3.434962
84	2.53E+07	8.43%	1.004	939.5656	942.925683	3.360083
85	2.50E+07	8.34%	1.003	939.5656	942.853231	3.287631
86	2.48E+07	8.25%	1.003	939.5656	942.783101	3.217501
87	2.45E+07	8.17%	1.003	939.5656	942.715195	3.149595
88	2.42E+07	8.08%	1.003	939.5656	942.64942	3.08382
89	2.40E+07	8.00%	1.003	939.5656	942.585687	3.020087
90	2.38E+07	7.92%	1.003	939.5656	942.523912	2.958312
91	2.35E+07	7.84%	1.003	939.5656	942.464017	2.898417
92	2.33E+07	7.76%	1.003	939.5656	942.405925	2.840325
93	2.30E+07	7.68%	1.003	939.5656	942.349565	2.783965
94	2.28E+07	7.61%	1.003	939.5656	942.294868	2.729268
95	2.26E+07	7.53%	1.003	939.5656	942.24177	2.67617
96	2.24E+07	7.46%	1.003	939.5656	942.190208	2.624608
97	2.22E+07	7.39%	1.003	939.5656	942.140124	2.574524
98	2.20E+07	7.32%	1.003	939.5656	942.091463	2.525863
99	2.17E+07	7.25%	1.003	939.5656	942.044169	2.478569
100	2.15E+07	7.18%	1.003	939.5656	941.998194	2.432594

($t_n - t_\gamma$) vs KE (unpolarized side)

