

polarized 2000 ns

polarized case  
 target to S.D.      target to T.D.  
 91.25 inches      91.25 inches  
 231.775 cm      231.775 cm

Polarized Case 2000 ns

tn-tv (ns)	V <sub>n</sub>	β <sub>n</sub>	γ <sub>n</sub>	M <sub>n</sub> (MeV)	E <sub>tot</sub> (MeV)	E <sub>k</sub> (MeV)	Corresponding Channel Differce from gamma (chan#) <sub>γ</sub> -(chan#) <sub>n</sub> (Channels)		
							ADC_1D (0.179 ns/ch)	ADC_1A (0.19021 ns/ch)	ADC_1C (0.18592 ns/ch)
20	8.36E+07	27.87%	1.041	939.6	978.31	38.749	111.7318436	105.1469429	107.5731497
21	8.07E+07	26.90%	1.038	939.6	975.51	35.944	117.3184358	110.40429	112.9518072
22	7.80E+07	25.99%	1.036	939.6	973	33.438	122.9050279	115.6616371	118.3304647
23	7.54E+07	25.14%	1.033	939.6	970.75	31.189	128.4916201	120.9189843	123.7091222
24	7.31E+07	24.35%	1.031	939.6	968.73	29.162	134.0782123	126.1763314	129.0877797
25	7.08E+07	23.61%	1.029	939.6	966.9	27.33	139.6648045	131.4336786	134.4664372
26	6.87E+07	22.91%	1.027	939.6	965.23	25.667	145.2513966	136.6910257	139.8450947
27	6.67E+07	22.25%	1.026	939.6	963.72	24.154	150.8379888	141.9483729	145.2237522
28	6.49E+07	21.63%	1.024	939.6	962.34	22.772	156.424581	147.20572	150.6024096
29	6.31E+07	21.04%	1.023	939.6	961.07	21.506	162.0111732	152.4630671	155.9810671
30	6.14E+07	20.48%	1.022	939.6	959.91	20.344	167.5977654	157.7204143	161.3597246
31	5.99E+07	19.95%	1.021	939.6	958.84	19.275	173.1843575	162.9777614	166.7383821
32	5.83E+07	19.45%	1.019	939.6	957.85	18.289	178.7709497	168.2351086	172.1170396
33	5.69E+07	18.97%	1.018	939.6	956.94	17.377	184.3575419	173.4924557	177.4956971
34	5.55E+07	18.52%	1.018	939.6	956.1	16.532	189.9441341	178.7498028	182.8743546
35	5.42E+07	18.08%	1.017	939.6	955.31	15.748	195.5307263	184.00715	188.253012
36	5.30E+07	17.67%	1.016	939.6	954.58	15.019	201.1173184	189.2644971	193.6316695
37	5.18E+07	17.27%	1.015	939.6	953.9	14.339	206.7039106	194.5218443	199.010327
38	5.07E+07	16.90%	1.015	939.6	953.27	13.705	212.2905028	199.7791914	204.3889845
39	4.96E+07	16.53%	1.014	939.6	952.68	13.113	217.877095	205.0365386	209.767642
40	4.86E+07	16.19%	1.013	939.6	952.12	12.558	223.4636872	210.2938857	215.1462995
41	4.76E+07	15.86%	1.013	939.6	951.6	12.038	229.0502793	215.5512328	220.524957
42	4.66E+07	15.54%	1.012	939.6	951.12	11.55	234.6368715	220.80858	225.9036145
43	4.57E+07	15.23%	1.012	939.6	950.66	11.091	240.2234637	226.0659271	231.2822719
44	4.48E+07	14.94%	1.011	939.6	950.22	10.659	245.8100559	231.3232743	236.6609294
45	4.40E+07	14.65%	1.011	939.6	949.82	10.252	251.396648	236.5806214	242.0395869
46	4.31E+07	14.38%	1.011	939.6	949.43	9.8678	256.9832402	241.8379686	247.4182444
47	4.24E+07	14.12%	1.01	939.6	949.07	9.5051	262.5698324	247.0953157	252.7969019
48	4.16E+07	13.86%	1.01	939.6	948.73	9.162	268.1564246	252.3526628	258.1755594
49	4.09E+07	13.62%	1.009	939.6	948.4	8.8373	273.7430168	257.61001	263.5542169
50	4.02E+07	13.38%	1.009	939.6	948.1	8.5296	279.3296089	262.8673571	268.9328744
51	3.95E+07	13.16%	1.009	939.6	947.8	8.2378	284.9162011	268.1247043	274.3115318
52	3.88E+07	12.94%	1.008	939.6	947.53	7.9608	290.5027933	273.3820514	279.6901893
53	3.82E+07	12.72%	1.008	939.6	947.26	7.6975	296.0893855	278.6393986	285.0688468
54	3.75E+07	12.52%	1.008	939.6	947.01	7.4472	301.6759777	283.8967457	290.4475043
55	3.70E+07	12.32%	1.008	939.6	946.77	7.2089	307.2625698	289.1540928	295.8261618
56	3.64E+07	12.12%	1.007	939.6	946.55	6.982	312.849162	294.41144	301.2048193

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57	3.58E+07	11.94%	1.007	939.6	946.33	6.7656	318.4357542	299.6687871	306.5834768
58	3.53E+07	11.75%	1.007	939.6	946.12	6.5591	324.0223464	304.9261343	311.9621343
59	3.47E+07	11.58%	1.007	939.6	945.93	6.362	329.6089385	310.1834814	317.3407917
60	3.42E+07	11.41%	1.007	939.6	945.74	6.1737	335.1955307	315.4408286	322.7194492
61	3.37E+07	11.24%	1.006	939.6	945.56	5.9936	340.7821229	320.6981757	328.0981067
62	3.32E+07	11.08%	1.006	939.6	945.39	5.8213	346.3687151	325.9555228	333.4767642
63	3.28E+07	10.92%	1.006	939.6	945.22	5.6564	351.9553073	331.21287	338.8554217
64	3.23E+07	10.77%	1.006	939.6	945.06	5.4984	357.5418994	336.4702171	344.2340792
65	3.19E+07	10.62%	1.006	939.6	944.91	5.3469	363.1284916	341.7275643	349.6127367
66	3.14E+07	10.48%	1.006	939.6	944.77	5.2017	368.7150838	346.9849114	354.9913941
67	3.10E+07	10.34%	1.005	939.6	944.63	5.0623	374.301676	352.2422586	360.3700516
68	3.06E+07	10.20%	1.005	939.6	944.49	4.9284	379.8882682	357.4996057	365.7487091
69	3.02E+07	10.07%	1.005	939.6	944.37	4.7998	385.4748603	362.7569528	371.1273666
70	2.98E+07	9.94%	1.005	939.6	944.24	4.6762	391.0614525	368.0143	376.5060241
71	2.94E+07	9.81%	1.005	939.6	944.12	4.5573	396.6480447	373.2716471	381.8846816
72	2.91E+07	9.69%	1.005	939.6	944.01	4.4428	402.2346369	378.5289943	387.2633391
73	2.87E+07	9.57%	1.005	939.6	943.9	4.3327	407.8212291	383.7863414	392.6419966
74	2.84E+07	9.45%	1.004	939.6	943.79	4.2266	413.4078212	389.0436886	398.020654
75	2.80E+07	9.34%	1.004	939.6	943.69	4.1244	418.9944134	394.3010357	403.3993115
76	2.77E+07	9.23%	1.004	939.6	943.59	4.0258	424.5810056	399.5583828	408.777969
77	2.74E+07	9.12%	1.004	939.6	943.5	3.9307	430.1675978	404.81573	414.1566265
78	2.70E+07	9.01%	1.004	939.6	943.4	3.839	435.7541899	410.0730771	419.535284
79	2.67E+07	8.91%	1.004	939.6	943.32	3.7505	441.3407821	415.3304243	424.9139415
80	2.64E+07	8.81%	1.004	939.6	943.23	3.665	446.9273743	420.5877714	430.292599
81	2.61E+07	8.71%	1.004	939.6	943.15	3.5823	452.5139665	425.8451186	435.6712565
82	2.58E+07	8.61%	1.004	939.6	943.07	3.5025	458.1005587	431.1024657	441.0499139
83	2.55E+07	8.52%	1.004	939.6	942.99	3.4253	463.6871508	436.3598128	446.4285714
84	2.53E+07	8.42%	1.004	939.6	942.92	3.3506	469.273743	441.61716	451.8072289
85	2.50E+07	8.33%	1.003	939.6	942.84	3.2783	474.8603352	446.8745071	457.1858864
86	2.47E+07	8.24%	1.003	939.6	942.77	3.2084	480.4469274	452.1318543	462.5645439
87	2.45E+07	8.16%	1.003	939.6	942.71	3.1407	486.0335196	457.3892014	467.9432014
88	2.42E+07	8.07%	1.003	939.6	942.64	3.0751	491.6201117	462.6465486	473.3218589
89	2.40E+07	7.99%	1.003	939.6	942.58	3.0115	497.2067039	467.9038957	478.7005164
90	2.37E+07	7.91%	1.003	939.6	942.52	2.9499	502.7932961	473.1612428	484.0791738
91	2.35E+07	7.83%	1.003	939.6	942.46	2.8902	508.3798883	478.41859	489.4578313
92	2.32E+07	7.75%	1.003	939.6	942.4	2.8323	513.9664804	483.6759371	494.8364888
93	2.30E+07	7.67%	1.003	939.6	942.34	2.7761	519.5530726	488.9332843	500.2151463
94	2.28E+07	7.59%	1.003	939.6	942.29	2.7215	525.1396648	494.1906314	505.5938038
95	2.26E+07	7.52%	1.003	939.6	942.23	2.6686	530.726257	499.4479786	510.9724613
96	2.23E+07	7.45%	1.003	939.6	942.18	2.6171	536.3128492	504.7053257	516.3511188
97	2.21E+07	7.38%	1.003	939.6	942.13	2.5672	541.8994413	509.9626728	521.7297762
98	2.19E+07	7.31%	1.003	939.6	942.08	2.5187	547.4860335	515.22002	527.1084337
99	2.17E+07	7.24%	1.003	939.6	942.04	2.4715	553.0726257	520.4773671	532.4870912
100	2.15E+07	7.17%	1.003	939.6	941.99	2.4256	558.6592179	525.7347143	537.8657487

### ( $t_n - t_\gamma$ ) vs KE (polarized)



