

E_photon_avg [GeV]	x_fp crossing [cm]	Beta Angle (fp) [deg.]	Alpha angle (room) [deg.]
11.77439	-19.413	44.2241	52.2741
11.76446	-16.697	43.2474	51.2974
11.75375	-13.830	42.2582	50.3082
11.7429	-11.003	41.3215	49.3715
11.73123	-8.022	40.3748	48.4248
11.71946	-5.092	39.4846	47.5346
11.70676	-1.994	38.5844	46.6344
11.69395	1.050	37.7396	45.7896
11.68013	4.271	36.8845	44.9345
11.66618	7.440	36.081	44.131
11.65115	10.790	35.2692	43.3192
11.63599	14.087	34.5062	42.5562
11.61967	17.572	33.7358	41.7858
11.60319	21.005	33.0113	41.0613
11.58546	24.631	32.2804	40.3304
11.56761	28.203	31.5925	39.6425
11.54843	31.979	30.8973	38.9473
11.52912	35.697	30.2434	38.2934
11.50838	39.626	29.583	37.633
11.48749	43.501	28.9608	37.0108
11.46509	47.590	28.3335	36.3835
11.44252	51.624	27.7433	35.7933
11.42129	55.374	27.218	35.268
11.40299	58.543	26.7912	34.8412
11.38332	61.907	26.3539	34.4039
11.36392	65.176	25.9443	33.9943
11.34308	68.644	25.5249	33.5749
11.3225	72.016	25.1319	33.1819
11.30042	75.594	24.7296	32.7796
11.27866	79.067	24.353	32.403
11.254	82.960	23.9457	31.9957
11.23231	86.337	23.6045	31.6545
11.20629	90.349	23.2129	31.2629
11.18338	93.830	22.8849	30.9349
11.1559	97.965	22.5086	30.5586
11.13008	101.795	22.1729	30.2229
11.10272	105.813	21.8327	29.8827
11.07548	109.758	21.5107	29.5607
11.0466	113.899	21.1844	29.2344
11.01788	117.960	20.8756	28.9256
10.9932	121.433	20.6197	28.6697
10.97468	124.005	20.435	28.485
10.95479	126.751	20.2423	28.2923
10.93566	129.370	20.0625	28.1125
10.91512	132.168	19.8744	27.9244

10.8954	134.833	19.699	27.749
10.8742	137.682	19.5156	27.5656
10.85384	140.397	19.3447	27.3947
10.83196	143.299	19.1659	27.2159
10.81097	146.061	18.9993	27.0493
10.7884	149.015	18.8249	26.8749
10.76674	151.828	18.6626	26.7126
10.74345	154.835	18.4929	26.5429
10.72112	157.699	18.3349	26.3849
10.6971	160.761	18.1695	26.2195
10.67407	163.675	18.0156	26.0656
10.6493	166.792	17.8544	25.9044
10.62556	169.758	17.7044	25.7544
10.60006	172.928	17.5475	25.5975
10.57562	175.947	17.4013	25.4513
10.54936	179.173	17.2483	25.2983
10.52419	182.244	17.1058	25.1558
10.49714	185.528	16.9568	25.0068
10.47121	188.652	16.8181	24.8681
10.44936	191.279	16.7036	24.7536
10.42503	194.183	16.5793	24.6293
10.4055	196.504	16.4818	24.5318
10.38046	199.465	16.3595	24.4095
10.3606	201.801	16.2647	24.3147
10.33482	204.818	16.1445	24.1945
10.31464	207.171	16.0523	24.1023
10.28812	210.244	15.934	23.984
10.2676	212.612	15.8445	23.8945
10.24035	215.743	15.728	23.778
10.21955	218.123	15.6408	23.6908
10.19545	220.871	15.5416	23.5916
10.17052	223.707	15.4409	23.4909
10.14591	226.491	15.3436	23.3936
10.12042	229.364	15.2449	23.2949
10.09529	232.184	15.1496	23.1996
10.06943	235.075	15.0536	23.1036
10.04824	237.439	14.9762	23.0262
10.03219	239.222	14.9185	22.9685
10.01551	241.060	14.8597	22.9097
9.99876	242.905	14.8013	22.8513
9.98273	244.712	14.7448	22.7948
9.96631	246.571	14.6871	22.7371
9.94919	248.435	14.63	22.68
9.93183	250.266	14.5745	22.6245
9.91424	252.148	14.518	22.568
9.89721	254.033	14.4621	22.5121
9.88068	255.887	14.4077	22.4577

9.86309	257.792	14.3525	22.4025
9.8448	259.700	14.2977	22.3477
9.82697	261.575	14.2445	22.2945
9.80927	263.499	14.1904	22.2404
9.79181	265.429	14.1367	22.1867
9.77406	267.330	14.0844	22.1344
9.75522	269.277	14.0313	22.0813
9.73643	271.229	13.9786	22.0286
9.71856	273.151	13.9274	21.9774
9.70052	275.120	13.8754	21.9254
9.67819	277.464	13.8142	21.8642
9.66268	279.041	13.7735	21.8235
9.64337	281.032	13.7226	21.7726
9.6209	283.438	13.6618	21.7118
9.60634	284.997	13.6228	21.6728
9.58681	287.010	13.573	21.623
9.56234	289.475	13.5127	21.5627
9.54745	291.018	13.4753	21.5253
9.52473	293.435	13.4173	21.4673
9.50404	295.584	13.3664	21.4164
9.48875	297.111	13.3306	21.3806
9.46397	299.599	13.2727	21.3227
9.44327	301.764	13.223	21.273
9.42894	303.271	13.1887	21.2387
9.40374	305.818	13.1312	21.1812
9.38155	308.011	13.0821	21.1321
9.36696	309.495	13.0493	21.0993
9.34199	312.099	12.9922	21.0422
9.31996	314.328	12.9439	20.9939
9.30072	316.209	12.9035	20.9535
9.27812	318.461	12.8558	20.9058
9.25631	320.714	12.8084	20.8584
9.23752	322.618	12.7688	20.8188
9.21417	324.894	12.722	20.772
9.19096	327.173	12.6756	20.7256
9.17209	329.097	12.6368	20.6868
9.14936	331.396	12.591	20.641
9.12553	333.698	12.5455	20.5955
9.10544	335.646	12.5075	20.5575
9.08228	337.972	12.4626	20.5126
9.05909	340.295	12.4181	20.4681
9.03858	342.264	12.3808	20.4308
9.01411	344.615	12.3367	20.3867
8.99058	346.965	12.293	20.343
8.97057	348.953	12.2564	20.3064
8.9457	351.326	12.2132	20.2632
8.92091	353.699	12.1703	20.2203

8.90292	355.485	12.1384	20.1884
8.88341	357.427	12.1039	20.1539
8.86301	359.366	12.0698	20.1198
8.84617	360.942	12.0422	20.0922
8.82586	362.896	12.0084	20.0584
8.80618	364.850	11.9748	20.0248
8.78987	366.442	11.9477	19.9977
8.76883	368.414	11.9144	19.9644
8.7458	370.570	11.8784	19.9284
8.73119	371.987	11.8549	19.9049
8.71078	373.997	11.8218	19.8718
8.68866	376.098	11.7874	19.8374
8.67256	377.580	11.7635	19.8135
8.65103	379.597	11.7311	19.7811
8.62964	381.676	11.698	19.748
8.6137	383.216	11.6737	19.7237
8.59189	385.242	11.6421	19.6921
8.56945	387.301	11.6101	19.6601
8.5526	388.901	11.5855	19.6355
8.52937	391.150	11.5511	19.6011
8.50999	392.965	11.5237	19.5737
8.49167	394.627	11.4987	19.5487
8.46776	396.840	11.4658	19.5158
8.44867	398.673	11.4387	19.4887
8.43048	400.399	11.4134	19.4634
8.40652	402.580	11.3817	19.4317
8.38622	404.426	11.3551	19.4051
8.3673	406.212	11.3296	19.3796
8.34462	408.368	11.299	19.349
8.32433	410.220	11.273	19.323
8.30366	412.075	11.2471	19.2971
8.28071	414.202	11.2176	19.2676
8.26111	416.062	11.1921	19.2421
8.23774	418.203	11.1629	19.2129
8.21678	420.073	11.1376	19.1876
8.19626	421.948	11.1124	19.1624
8.17599	423.858	11.0869	19.1369
8.16111	425.240	11.0686	19.1186
8.14561	426.636	11.0502	19.1002
8.12672	428.310	11.0283	19.0783
8.11133	429.701	11.0102	19.0602
8.09624	431.105	10.992	19.042
8.07828	432.786	10.9703	19.0203
8.06289	434.186	10.9523	19.0023
8.04692	435.598	10.9343	18.9843
8.02791	437.287	10.9129	18.9629
8.01252	438.696	10.8952	18.9452

7.99735	440.111	10.8774	18.9274
7.97879	441.813	10.8562	18.9062
7.96281	443.230	10.8387	18.8887
7.94656	444.655	10.8211	18.8711
7.92755	446.364	10.8002	18.8502
7.91214	447.789	10.7828	18.8328
7.89661	449.222	10.7654	18.8154
7.85205	453.151	10.7184	18.7684
7.79483	458.341	10.6575	18.7075
7.73314	463.807	10.5944	18.6444
7.67316	469.106	10.5345	18.5845
7.61434	474.387	10.4758	18.5258
7.55439	479.649	10.4184	18.4684
7.49454	484.894	10.3624	18.4124
7.43571	490.120	10.3075	18.3575
7.37566	495.331	10.2539	18.3039
7.31584	500.526	10.2016	18.2516
7.25694	505.703	10.1503	18.2003
7.18462	511.952	10.0896	18.1396
7.12431	517.120	10.0404	18.0904
7.06494	522.273	9.9922	18.0422
7.00507	527.412	9.945	17.995
6.94392	532.609	9.8981	17.9481
6.88541	537.643	9.8533	17.9033
6.82487	542.810	9.808	17.858
6.76535	547.824	9.7647	17.8147
6.70539	552.960	9.721	17.771
6.6466	557.941	9.6793	17.7293
6.58558	563.058	9.6372	17.6872
6.52725	568.013	9.5971	17.6471
6.46653	573.106	9.5566	17.6066
6.40703	578.039	9.518	17.568
6.3482	583.025	9.4795	17.5295
6.28745	588.090	9.441	17.491
6.2272	593.061	9.4036	17.4536
6.16831	598.022	9.367	17.417
6.1085	602.971	9.331	17.381
6.04875	607.869	9.2959	17.3459
5.98924	612.846	9.2609	17.3109
5.92934	617.764	9.2267	17.2767
5.86907	622.674	9.1931	17.2431
5.81009	627.573	9.1602	17.2102
5.75456	632.087	9.1302	17.1802
5.69433	636.984	9.098	17.148
5.63517	641.874	9.0663	17.1163
5.57473	646.754	9.0351	17.0851
5.51642	651.477	9.0052	17.0552

5.45556	656.478	8.974	17.024
5.3969	661.190	8.9449	16.9949
5.33511	666.173	8.9145	16.9645
5.27767	670.876	8.8862	16.9362
5.21564	675.842	8.8568	16.9068
5.15731	680.524	8.8293	16.8793
5.09644	685.471	8.8008	16.8508
5.03763	690.144	8.7743	16.8243
4.97591	695.080	8.7463	16.7963
4.91602	699.867	8.7196	16.7696
4.85789	704.516	8.694	16.744
4.79801	709.296	8.6679	16.7179
4.73819	714.063	8.6422	16.6922
4.67834	718.829	8.6168	16.6668
4.6176	723.653	8.5916	16.6416
4.55756	728.412	8.567	16.617
4.49849	733.089	8.543	16.593
4.43846	737.838	8.5189	16.5689
4.37846	742.581	8.495	16.545
4.31853	747.312	8.4715	16.5215
4.21472	755.495	8.4313	16.4813
4.15452	760.240	8.4082	16.4582
4.09432	764.978	8.3854	16.4354
4.03409	769.720	8.3627	16.4127
3.97405	774.445	8.3402	16.3902
3.9139	779.183	8.3178	16.3678
3.85392	783.906	8.2955	16.3455
3.79381	788.636	8.2734	16.3234
3.73364	793.369	8.2515	16.3015
3.67576	797.919	8.2305	16.2805
3.6156	802.652	8.2089	16.2589
3.55549	807.378	8.1873	16.2373
3.49537	812.115	8.1658	16.2158
3.43529	816.853	8.1442	16.1942
3.37532	821.587	8.1227	16.1727
3.31525	826.332	8.1012	16.1512
3.25524	831.077	8.0798	16.1298
3.19515	835.833	8.0584	16.1084
3.1352	840.588	8.037	16.087
3.07518	845.357	8.0155	16.0655
3.01525	850.125	7.994	16.044