Beta Subtracted Protons New

Run No.	Energy	Recoils	Pressure	Bin Ch	Total Bg	2 Bin BG	Cor. Tot. BG	Cor. Tot. BG err	Total Elas. Spectrum Counts
4867	225.0	3	4.530	200-216	+6.623E+05	+6.055E+04	+6.434E+05	+2.615E+03	+7.841E+05
4868	225.0	7	4.550	200-216	+9.300E+05	+8.503E+04	+9.034E+05	+3.098E+03	+1.237E+06
4869	225.0	3	4.550	200-216	+3.940E+05	+3.602E+04	+3.827E+05	+2.017E+03	+5.339E+05
4872	225.0	6	4.608	344-360	+9.100E+05	+8.320E+04	+8.840E+05	+3.065E+03	+1.288E+06
4873	220.0	8	4.560	256-272	+2.705E+05	+2.473E+04	+2.628E+05	+1.671E+03	+7.633E+05
4878	215.0	4	4.677	304-320	+1.118E+05	+1.022E+04	+1.086E+05	+1.074E+03	+2.500E+05
4879	215.0	9	4.677	304-320	+2.194E+05	+2.006E+04	+2.131E+05	+1.505E+03	+5.410E+05
4880	215.0	6	4.657	304-320	+2.105E+05	+1.925E+04	+2.045E+05	+1.474E+03	+5.018E+05
4881	210.0	0	4.680	232-248	+3.984E+05	+3.643E+04	+3.870E+05	+2.028E+03	+9.717E+05
4882	230.0	0	4.610	280-296	+1.321E+05	+1.208E+04	+1.283E+05	+1.168E+03	+4.974E+05
4883	220.0	7	4.733	264-280	+1.045E+05	+9.554E+03	+1.015E+05	+1.039E+03	+3.536E+05
4884	220.0	9	4.723	256-272	+2.555E+05	+2.336E+04	+2.482E+05	+1.624E+03	+4.273E+05
4885	220.0	7	4.723	248-264	+1.561E+05	+1.427E+04	+1.516E+05	+1.269E+03	+4.960E+05
4886	220.0	4	4.689	248-264	+1.284E+05	+1.174E+04	+1.247E+05	+1.151E+03	+3.896E+05
4887	220.0	8	4.725	248-264	+6.008E+04	+5.493E+03	+5.836E+04	+7.875E+02	+1.820E+05
4893	220.0	6	4.700	264-280	+5.499E+05	+5.028E+04	+5.342E+05	+2.382E+03	+8.004E+05
4904	220.0	1	4.670	264-280	+2.203E+05	+2.014E+04	+2.140E+05	+1.508E+03	+3.181E+05
4905	220.0	1	4.630	264-280	+4.743E+04	+4.336E+03	+4.607E+04	+6.997E+02	+6.892E+04
4906	220.0	12	4.725	264-280	+3.798E+05	+3.472E+04	+3.689E+05	+1.980E+03	+7.176E+05
4907	220.0	8	4.720	264-280	+3.444E+05	+3.149E+04	+3.346E+05	+1.885E+03	+6.266E+05
6171	214.9	1	4.67						
6176	214.9	3	4.67						
6178	214.9	3	4.657						
6181	214.9	3	4.64						
6188	214.3	3	2.548						
6189	214.3	2	2.55						
6190	214.3	1	2.56						
6191	214.3	6	2.55						
6184	211.9	0	4.45						
6185	211.9	0	4.45						
6186	211.9	0	4.44						
6187	213.5	0	4.62						

Total BG column was obtained doing a "175/16"scaling of BG in 2 RF bins

Yield 215 =	+7.276E-12
Yield 220 =	+6.558E-12
Yield 225 =	+4.433E-12
Yield 214.9 =	+5.175E-12
Yield 214.3 =	+6.615E-12

Scaling Factor
0.971428571428571 This factor corrects my pg 63-64 logbook Total Background values

Scaling Factor This is the 170/16 scaling factor for RF window in elastics VS RF spectrum
10.625

DSSD Efficiency	Q-State Fraction
0.98	0.49

Beta Subtracted Protons New

Spec. Cts. Err	Total Protons	Proton Err.	Protons from Fit	Proton Ratio	Total Beam	Rel. Beam Error	Gamma Efficiency	Rel. Gamma Eff. Err	Rel. Q-State Err
+8.855E+02	+1.407E+05	+2.760E+03	+1.619E+05	0.869	+3.558E+12	+6.776E-02	0.34	+6.0E-02	+5.0E-02
+1.112E+03	+3.333E+05	+3.292E+03	+3.187E+05	1.046	+8.464E+12	+6.561E-02	0.34	+6.0E-02	+5.0E-02
+7.307E+02	+1.512E+05	+2.145E+03	+1.484E+05	1.019	+3.839E+12	+6.640E-02	0.34	+6.0E-02	+5.0E-02
+1.135E+03	+4.041E+05	+3.268E+03	+3.901E+05	1.036	+1.039E+13	+6.537E-02	0.34	+6.0E-02	+5.0E-02
+8.737E+02	+5.006E+05	+1.886E+03	+4.932E+05	1.015	+1.044E+13	+3.339E-02	0.39	+3.0E-02	+5.0E-02
+5.000E+02	+1.414E+05	+1.185E+03	+1.508E+05	0.938	+3.046E+12	+4.365E-02	0.33	+6.0E-02	+5.0E-02
+7.355E+02	+3.278E+05	+1.675E+03	+3.304E+05	0.992	+7.059E+12	+4.314E-02	0.33	+6.0E-02	+5.0E-02
+7.084E+02	+2.973E+05	+1.635E+03	+3.153E+05	0.943	+6.375E+12	+4.319E-02	0.33	+6.0E-02	+5.0E-02
+9.858E+02	+5.847E+05	+2.255E+03	+5.830E+05	1.003	+1.527E+13	+6.498E-02	0.33	+6.0E-02	+5.0E-02
+7.053E+02	+3.691E+05	+1.364E+03	+3.595E+05	1.027	+9.497E+12	+6.497E-02	0.34	+6.0E-02	+5.0E-02
+5.946E+02	+2.520E+05	+1.197E+03	+2.613E+05	0.964	+5.454E+12	+3.352E-02	0.39	+3.0E-02	+5.0E-02
+6.536E+02	+1.791E+05	+1.751E+03	+1.743E+05	1.027	+3.867E+12	+3.459E-02	0.39	+3.0E-02	+5.0E-02
+7.043E+02	+3.443E+05	+1.452E+03	+3.458E+05	0.996	+7.436E+12	+3.344E-02	0.39	+3.0E-02	+5.0E-02
+6.242E+02	+2.649E+05	+1.310E+03	+2.760E+05	0.960	+5.679E+12	+3.354E-02	0.39	+3.0E-02	+5.0E-02
+4.267E+02	+1.237E+05	+8.956E+02	+1.244E+05	0.994	+2.672E+12	+3.396E-02	0.39	+3.0E-02	+5.0E-02
+8.946E+02	+2.662E+05	+2.545E+03	+2.376E+05	1.120	+5.720E+12	+3.453E-02	0.39	+3.0E-02	+5.0E-02
+5.640E+02	+1.041E+05	+1.610E+03	+9.852E+04	1.056	+2.222E+12	+3.661E-02	0.39	+3.0E-02	+5.0E-02
+2.625E+02	+2.285E+04	+7.473E+02	+2.433E+04	0.939	+4.837E+11	+4.659E-02	0.39	+3.0E-02	+5.0E-02
+8.471E+02	+3.486E+05	+2.154E+03	+3.344E+05	1.043	+7.532E+12	+3.375E-02	0.39	+3.0E-02	+5.0E-02
+7.916E+02	+2.921E+05	+2.045E+03	+2.823E+05	1.035	+6.303E+12	+3.391E-02	0.39	+3.0E-02	+5.0E-02
		+2.290E+02	+3.510E+03		+7.609E+10	+7.330E-02	0.33	+3.0E-02	+5.0E-02
		+1.369E+03	+1.385E+05		+3.002E+12	+3.484E-02	0.33	+3.0E-02	+5.0E-02
		+1.550E+03	+1.984E+05		+4.289E+12	+3.431E-02	0.33	+3.0E-02	+5.0E-02
		+1.194E+03	+2.241E+05		+4.827E+12	+3.383E-02	0.33	+3.0E-02	+5.0E-02
		+2.810E+02	+1.837E+04		+8.242E+11	+2.585E-02	0.33	+3.0E-02	+5.0E-02
		+4.860E+02	+5.994E+04		+2.692E+12	+2.236E-02	0.33	+3.0E-02	+5.0E-02
		+4.550E+02	+5.291E+04		+2.385E+12	+2.255E-02	0.33	+3.0E-02	+5.0E-02
		+6.930E+02	+1.235E+05		+5.546E+12	+2.158E-02	0.33	+3.0E-02	+5.0E-02
		+7.340E+02	+1.347E+05		+3.130E+12	+3.869E-02	0.33	+3.0E-02	+5.0E-02
		+7.180E+02	+1.329E+05		+3.088E+12	+3.869E-02	0.33	+3.0E-02	+5.0E-02
		+5.840E+02	+8.757E+04		+2.030E+12	+3.888E-02	0.33	+3.0E-02	+5.0E-02
		+1.006E+03	+1.733E+05		+3.600E+12	+3.149E-02	0.33	+3.0E-02	+5.0E-02

Rel. DSSSD Err
+2.0E-02
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