Beam Normalizations

rf scaling	Run Number	Energy	Pressure	Pressure Err	2 rf bin bg	2 rf bin error	Total Bg	Total Bg Error	Total Cts	Total Cts Error
+1.06250E+01	4878	215.00	4.677	+4.677E-02	+8.710E+03	+9.333E+01	+9.254E+04	+9.916E+02	+2.133E+05	+4.619E+02
	4879	215.00	4.667	+4.667E-02	+8.050E+02	+2.837E+01	+8.553E+03	+3.015E+02	+1.849E+04	+1.360E+02
Faraday Const.	4880	215.00	4.657	+4.657E-02	+3.950E+02	+1.987E+01	+4.197E+03	+2.112E+02	+1.108E+04	+1.053E+02
+1.60200E-19	4873	220.00	4.560	+4.560E-02	+2.427E+03	+4.926E+01	+2.579E+04	+5.234E+02	+7.708E+04	+2.776E+02
	4883	220.00	4.733	+4.733E-02	+9.510E+02	+3.084E+01	+1.010E+04	+3.277E+02	+3.326E+04	+1.824E+02
FC4 Absolute Error (enA)	4884	220.00	4.723	+4.723E-02	+7.703E+03	+8.777E+01	+8.184E+04	+9.325E+02	+1.362E+05	+3.691E+02
+4.00000E-12	4885	220.00	4.723	+4.723E-02	+9.930E+02	+3.151E+01	+1.055E+04	+3.348E+02	+3.349E+04	+1.830E+02
	4887	220.00	4.725	+4.725E-02	+9.260E+02	+3.043E+01	+9.839E+03	+3.233E+02	+3.128E+04	+1.769E+02
	4893	220.00	4.700	+4.700E-02	+1.481E+03	+3.848E+01	+1.574E+04	+4.089E+02	+2.428E+04	+1.558E+02
	4868	225.00	4.550	+4.550E-02	+1.763E+03	+4.199E+01	+1.873E+04	+4.461E+02	+2.628E+04	+1.621E+02
	4869	225.00	4.550	+4.550E-02	+8.430E+02	+2.903E+01	+8.957E+03	+3.085E+02	+1.104E+04	+1.051E+02
	4881	210.0	4.720	+4.720E-02	+2.039E+03	+4.516E+01	+2.166E+04	+4.798E+02	+5.482E+04	+2.341E+02
	4882	230.0	4.610	+4.610E-02	+3.090E+02	+1.758E+01	+3.283E+03	+1.868E+02	+1.294E+04	+1.138E+02
	6181	214.9	4.640	+4.640E-02						
	6189	214.3	2.550	+2.550E-02						
	6190	214.3	2.560	+2.560E-02						
	6185	211.9	4.723	+4.723E-02						
	6187	213.500	4.620	+4.620E-02						

Run R-Values are pressure scaled
Weighted averaged R-Values determined from horizontal line fit using the single R-Values and their ϵ

Beam Normalizations

Total Protons	Tot. Proton Err	time window (s)	FC4 Value (enA)	R-Value	R-Value Error
+1.208E+05	+1.094E+03	+7.000E+03	+2.900E-10	+4.487E+06	+8.657E+04
+9.940E+03	+3.307E+02	+6.000E+02	+2.900E-10	+4.683E+06	+1.750E+05
+6.881E+03	+2.359E+02	+4.000E+02	+3.000E-10	+4.675E+06	+1.782E+05
+5.129E+04	+5.925E+02	+3.000E+03	+3.000E-10	+4.804E+06	+9.741E+04
+2.316E+04	+3.750E+02	+1.500E+03	+2.500E-10	+4.272E+06	+1.062E+05
+5.436E+04	+1.003E+03	+4.000E+03	+2.720E-10	+5.291E+06	+1.356E+05
+2.294E+04	+3.816E+02	+1.500E+03	+2.450E-10	+4.235E+06	+1.074E+05
+2.144E+04	+3.685E+02	+1.500E+03	+2.400E-10	+4.436E+06	+1.151E+05
+8.541E+03	+4.376E+02	+6.000E+02	+2.400E-10	+4.478E+06	+2.454E+05
+7.551E+03	+4.747E+02	+4.800E+02	+3.200E-10	+5.581E+06	+3.620E+05
+2.085E+03	+3.259E+02	+1.500E+02	+2.850E-10	+5.625E+06	+8.846E+05
+3.315E+04	+5.339E+02	+1.920E+03	+2.850E-10	+4.366E+06	+1.030E+05
+9.658E+03	+2.187E+02	+8.000E+02	+2.200E-10	+4.935E+06	+1.516E+05
+1.623E+04	+4.830E+02	+8.000E+02	+3.500E-10	+4.642E+06	+1.551E+05
+9.290E+03	+1.930E+02	+2.000E+03	+1.700E-10	+1.792E+07	+5.903E+05
+1.260E+04	+2.220E+02	+2.000E+03	+2.250E-10	+1.741E+07	+4.693E+05
+4.051E+03	+1.260E+02	+4.000E+02	+2.000E-10	+5.220E+06	+2.000E+05
+1.737E+04	+3.030E+02	+1.700E+03	+1.700E-10	+4.496E+06	+1.392E+05

	Weighted Average R	Error
R210 =	+4.366E+06	+1.030E+05
R215 =	+4.604E+06	+1.972E+05
R220 =	+4.572E+06	+1.517E+05
R225 =	+5.581E+06	+3.620E+05
R214.9 =	+4.642E+06	+1.551E+05
R214.3 =	+1.761E+07	+3.670E+05
R211.9 =	+5.220E+06	+2.000E+05
R213.5=	+4.496E+06	+1.392E+05
R230 =	+4.935E+06	+1.516E+05